

4-7 December 2019
Muscat, Oman

Scientific Programme

9th SICOT Educational Day | Wednesday, 4 December | Grand Ballroom Hall A1

07:50 - 08:50	6
Basic Science	6
08:50 - 09:45	6
Special Considerations	6
09:55 - 11:20	6
Fractures around the Upper Limb	6
11:30 - 12:25	6
Fractures around the Lower Limb (I)	6
13:30 - 14:25	6
Fractures around the Lower Limb (II)	6
14:40 - 16:30	7
Spine, Pelvis and Acetabulum	7
16:45 - 18:00	7
Complications	7

31st Course on Polytrauma Management | Wednesday, 4 December | Grand Ballroom Hall A3

08:00 - 10:00	7
General Considerations	7
10:30 - 12:00	7
Special Problems	7
13:30 - 15:30	8
Priority of Care of Multiply Injured Patients	8
15:30 - 16:20	8
Video Session	8
16:30 - 17:50	8
Reconstruction and Outcome	8

Dry Shoulder Arthroscopy Labs | Wednesday, 4 December | Meeting Room 10+11

08:00 - 10:30	8
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<i>Instructional Course</i> – Dry Shoulder Arthroscopy Lab	8
14:00 - 16:30	8

<i>Instructional Course</i> – Dry Shoulder Arthroscopy Lab	8
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Knee-Shoulder Cadaver Lab | Wednesday, 4 December | Sultan Qaboos University Hospital

08:00 - 12:00	8
<i>Instructional Course</i> – Knee Arthroscopy Cadaver Lab	8
08:00 - 12:00	9
<i>Instructional Course</i> – Shoulder Arthroscopy Cadaver Lab	9
13:00 - 17:00	9
<i>Instructional Course</i> – Knee Arthroscopy Cadaver Lab	9
13:00 - 17:00	9
<i>Instructional Course</i> – Shoulder Arthroscopy Cadaver Lab	9

Trauma | Thursday, 5 December | Auditorium

08:00 - 10:00	10
<i>Free Paper Session</i> – Trauma 1	10
10:30 - 12:00	10
<i>SICOT Instructional Symposium</i> – Surgical Strategies in the Multiply Injured Patient	10
12:00 – 13:05	10
<i>Plenary Session 1</i>	10
14:00 - 15:30	10
<i>SICOT Instructional Symposium</i> – Open Fractures and Compartment Syndrome: An Update	10

Hip | Thursday, 5 December | Grand Ballroom Hall A1

08:00 - 10:00	11
<i>Free Paper Session</i> – Hip 1	11
10:30 - 12:00	11
<i>SICOT Instructional Symposium</i> – Hip Preservation	11
12:30 - 14:00	11
<i>Industry-Sponsored Session</i>	11

14:00 - 15:30	11	16:00 - 17:30	17
<i>Partner Society Symposium</i> – American Hip Society: Orthopaedic Infections - Recent Developments and an Update	11	<i>Free Paper Session</i> – Foot & Ankle 2	17
16:00 - 17:30	12	Research Thursday, 5 December Grand Ballroom Hall C3	18
<i>Free Paper Session</i> – Hip 2	12	08:00 - 10:00	18
International Congress on Hip Dysplasia & Paediatrics Thursday, 5 December Grand Ballroom Hall A2	12	<i>Free Paper Session</i> – Research 1	18
08:00 - 10:00	12	10:30 - 12:00	18
<i>Partner Society Symposium</i> – International Congress on Hip Dysplasia 1	12	<i>SICOT Instructional Symposium</i> – Research 1	18
10:30 - 12:00	13	14:00 - 15:30	18
<i>Partner Society Symposium</i> – International Congress on Hip Dysplasia 2	13	<i>SICOT Instructional Symposium</i> – Research 2	19
13:00 - 14:00	13	16:00 - 17:30	19
<i>Industry-Sponsored Session</i>	13	<i>Free Paper Session</i> – Research 2	19
14:00 - 15:30	13	Knee Thursday, 5 December Junior Ballroom A	19
<i>SICOT Instructional Symposium</i> – Paediatric Trauma and Sports	13	08:00 - 10:00	19
16:00 - 17:30	13	<i>Free Paper Session</i> – Knee 1	19
<i>Free Paper Session</i> – Paediatrics 1	13	10:30 - 12:00	20
Sports Medicine Thursday, 5 December Grand Ballroom Hall A3	13	<i>SICOT Instructional Symposium</i> – Fractures around Knee Arthroplasty	20
08:00 - 10:00	13	14:00 - 15:30	20
<i>Free Paper Session</i> – Sports Medicine 1	14	<i>SICOT Instructional Symposium</i> – Computer-Assisted Orthopaedic Surgery	20
10:30 - 12:00	14	16:00 - 17:30	20
<i>Partner Society Symposium</i> – ICRS: Joint Preservation - Return to the Future	14	<i>Free Paper Session</i> – Knee 2	20
14:00 - 15:30	14	Spine Thursday, 5 December Junior Ballroom B	21
<i>SICOT Instructional Symposium</i> – Current Concepts in the Management of Meniscal Tears	14	08:00 - 10:00	21
16:00 - 17:30	14	<i>Free Paper Session</i> – Spine 1	21
<i>Free Paper Session</i> – Sports Medicine 2	14	10:30 - 12:00	21
Hand Thursday, 5 December Grand Ballroom Hall C1	15	<i>SICOT Instructional Symposium</i> – Spinal Cord Injury and Rehabilitation	21
08:00 - 10:00	15	14:00 - 15:30	21
<i>Free Paper Session</i> – Hand 1	15	<i>SICOT Instructional Symposium</i> – Endoscopic Discectomy	21
10:30 - 12:00	15	16:00 - 17:30	22
<i>SICOT Instructional Symposium</i> – Peripheral Nerve Injuries (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)	15	<i>Free Paper Session</i> – Spine 2	22
14:00 - 15:30	16	Short Free Papers Thursday, 5 December Meeting Room 8	22
<i>SICOT Instructional Symposium</i> – Trauma (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)	16	08:00 - 10:00	22
16:00 - 17:30	16	<i>Short Free Paper Session</i> – Hip	22
<i>Free Paper Session</i> – Hand 2	16	10:30 - 12:00	23
Foot & Ankle Thursday, 5 December Grand Ballroom Hall C2	16	<i>Short Free Paper Session</i> – Sports Medicine 1	23
08:00 - 10:00	16	14:00 - 15:30	23
<i>Free Paper Session</i> – Foot & Ankle 1	16	<i>Short Free Paper Session</i> – Shoulder & Elbow	23
10:30 - 12:00	17	16:00 - 17:30	24
<i>SICOT Instructional Symposium</i> – The Commonest Foot and Ankle Surgeries: This is How I Do It! (1) (in partnership with the American Orthopaedic Foot and Ankle Society)	17	<i>Short Free Paper Session</i> – Knee 1	24
14:00 - 15:30	17	Trauma / Young Surgeons Committee Thursday, 5 December Meeting Room 9	24
<i>SICOT Instructional Symposium</i> – The Commonest Foot and Ankle Surgeries: This is How I Do It! (2) (in partnership with the American Orthopaedic Foot and Ankle Society)	17	08:00 - 10:00	25
		<i>Short Free Paper Session</i> – Trauma 1	25
		10:30 - 12:00	25
		<i>Young Surgeons Committee Symposium</i> – Difficult Case Discussions in THAs	25
		14:00 - 15:30	26
		<i>Young Surgeons Committee Symposium</i> – Virtual Workshop: Literature Searching Techniques and Databases	26

16:00 - 17:30	26
<i>Young Surgeons Committee Symposium – Training the Next Generation</i>	26
Dry Hip Arthroscopy Labs Thursday, 5 December Meeting Room 10+11	26
08:00 - 10:30	26
<i>Instructional Course – Dry Hip Arthroscopy Lab</i>	26
14:00 - 16:30	26
<i>Instructional Course – Dry Hip Arthroscopy Lab</i>	26
Knee-Shoulder Cadaver Lab Thursday, 5 December Sultan Qaboos University Hospital	26
08:00 - 12:00	26
<i>Instructional Course – Knee Arthroscopy Cadaver Lab</i>	26
08:00 - 12:00	27
<i>Instructional Course – Shoulder Arthroscopy Cadaver Lab</i>	27
13:00 - 17:00	27
<i>Instructional Course – Knee Arthroscopy Cadaver Lab</i>	27
13:00 - 17:00	27
<i>Instructional Course – Shoulder Arthroscopy Cadaver Lab</i>	27
Hands-on Ponseti Clubfoot Workshop Thursday, 5 December Junior Ballroom A	27
12:30 - 14:00	27
<i>Instructional Course – Hands-on Ponseti Clubfoot Workshop</i>	27
Trauma Friday, 6 December Auditorium	27
07:00 - 08:00	27
<i>Short Free Paper Session – Trauma 2</i>	27
08:00 - 10:00	28
<i>Free Paper Session – Trauma 2</i>	28
10:30 - 12:00	28
<i>SICOT Instructional Symposium – Fractures below the Knee (in partnership with the SICOT Foot and Ankle Group)</i>	28
12:00 – 12:30	29
<i>Plenary Session 2</i>	29
12:30 – 13:00	29
<i>Research Academy Session</i>	29
14:00 - 15:30	29
<i>SICOT Instructional Symposium – Pelvic Ring Fractures</i>	29
16:00 - 17:30	29
<i>Free Paper Session – Trauma 3</i>	29
DMI'S / Hip Friday, 6 December Grand Ballroom Hall A1	29
07:00 - 08:00	30
<i>Partner Society Symposium – DMI'S</i>	30
08:00 - 10:00	30
<i>Free Paper Session – Hip 3</i>	30
10:30 - 12:00	30
<i>SICOT Instructional Symposium – Hip Osteonecrosis</i>	30
13:00 - 14:00	30
<i>Industry-Sponsored Session</i>	30
14:00 - 15:30	30
<i>SICOT Instructional Symposium – How to Follow a Primary and Revision THA</i>	30

16:00 - 17:30	31
<i>SICOT Instructional Symposium – Femoral Neck Fractures: What is Best?</i>	31
Paediatrics / ASAMI & Hull Deformity Friday, 6 December Grand Ballroom Hall A2	31
08:00 - 10:00	31
<i>Free Paper Session – Paediatrics 2</i>	31
10:30 - 12:00	31
<i>SICOT Instructional Symposium – Paediatric Orthopaedics</i>	31
14:00 - 15:30	32
<i>Partner Society Symposium – ASAMI & Hull Deformity: Consequences of Growth Plate Arrest</i>	32
16:00 - 17:30	32
<i>Free Paper Session – Paediatrics 3</i>	32
MSF / Sports Medicine Friday, 6 December Grand Ballroom Hall A3	32
07:30 - 08:00	32
<i>Free Paper Session – Médecins-Sans-Frontières Symposium</i>	32
08:00 - 10:00	32
<i>Free Paper Session – Sports Medicine 3</i>	32
10:30 - 12:00	33
<i>SICOT Instructional Symposium – My Favourite ACL Reconstruction</i>	33
14:00 - 15:30	33
<i>SICOT Instructional Symposium – Advances in Arthroscopic Management of Hip and Knee Injuries</i>	33
16:00 - 17:30	33
<i>Free Paper Session – Sports Medicine 4</i>	33
Microsurgery / Shoulder & Elbow Friday, 6 December Grand Ballroom Hall C1	34
07:00 - 08:00	34
<i>Free Paper Session – What's New in Chinese Microsurgery?</i>	34
08:00 - 10:00	34
<i>Free Paper Session – Shoulder & Elbow 1</i>	35
10:30 - 12:00	35
<i>SICOT Instructional Symposium – Shoulder and Elbow Arthroscopy</i>	35
14:00 - 15:30	35
<i>SICOT Instructional Symposium – Shoulder Arthroplasty</i>	35
16:00 - 17:30	35
<i>Free Paper Session – Shoulder & Elbow 2</i>	35
Infections Friday, 6 December Grand Ballroom Hall C2	36
08:00 - 10:00	36
<i>Free Paper Session – Infections 1</i>	36
10:30 - 12:00	36
<i>SICOT Instructional Symposium – Periprosthetic Infection and Post-Traumatic Infection (I)</i>	36
14:00 - 15:30	37
<i>SICOT Instructional Symposium – Post-Traumatic Infection (II) and Tuberculosis of the Bone</i>	37
16:00 - 17:30	37
<i>Free Paper Session – Infections 2</i>	37
Miscellaneous Friday, 6 December Grand Ballroom Hall C3	37

07:00 - 08:00	37
<i>SICOT Instructional Symposium</i> – Tech-No Bones: The Positive Impact of Emerging Technologies in Emerging Nations	37
08:00 - 10:00	37
<i>SICOT Instructional Symposium</i> – Medical Writing	37
10:30 - 12:00	38
<i>SICOT Instructional Symposium</i> – Reviewers' Workshop	38
14:00 - 15:30	38
<i>Best Papers Session</i>	38
16:00 - 17:30	38
<i>SICOT Instructional Symposium</i> – Injury Prevention & Road Safety Symposium - Road Traffic Injury Prevention: How can the Orthopaedic Community Reduce the Burden of Road Traffic Accidents?	38
Knee Friday, 6 December Junior Ballroom A	39
07:00 - 08:00	39
<i>Short Free Paper Session</i> – Knee 2	39
08:00 - 10:00	39
<i>Free Paper Session</i> – Knee 3	39
10:30 - 12:00	39
<i>SICOT Instructional Symposium</i> – TKA in Young Active Patients	39
14:00 - 15:30	40
<i>SICOT Instructional Symposium</i> – Complex TKR	40
16:00 - 17:30	40
<i>Free Paper Session</i> – Knee 4	40
Spine Friday, 6 December Junior Ballroom B	40
08:00 - 10:00	40
<i>Free Paper Session</i> – Spine 3	40
10:30 - 12:00	41
<i>SICOT Instructional Symposium</i> – Motion Preservation	41
14:00 - 15:30	41
<i>SICOT Instructional Symposium</i> – Thoracolumbar Deformity	41
16:00 - 17:30	41
<i>Free Paper Session</i> – Spine 4	41
Short Free Papers Friday, 6 December Meeting Room 8	42
08:00 - 10:00	42
<i>Short Free Paper Session</i> – Research	42
10:30 - 12:00	42
<i>Short Free Paper Session</i> – Foot & Ankle	42
14:00 - 15:30	43
<i>Short Free Paper Session</i> – Tumours	43
16:00 - 17:30	43
<i>Short Free Paper Session</i> – Sports Medicine 2	43
Tumours / APOA / ARTOF Friday, 6 December Meeting Room 9	44
08:00 - 10:00	44
<i>Free Paper Session</i> – Tumours	44
10:30 - 12:00	45
<i>SICOT Instructional Symposium</i> – Tumours	45
14:00 - 15:30	45
<i>Partner Society Symposium</i> – APOA: Injuries around the Hip Joint	45
16:00 - 17:30	45

<i>Partner Society Symposium</i> – ARTOF: Trends in Trauma and Orthopaedics: Focus on Digital Health	45
Dry Shoulder Arthroscopy Labs Friday, 6 December Meeting Room 10+11	45
08:00 - 10:30	45
<i>Instructional Course</i> – Dry Shoulder Arthroscopy Lab	45
14:00 - 16:30	45
<i>Instructional Course</i> – Dry Shoulder Arthroscopy Lab	45
Knee-Shoulder Cadaver Lab Friday, 6 December Sultan Qaboos University Hospital	45
08:00 - 12:00	45
<i>Instructional Course</i> – Knee Arthroscopy Cadaver Lab	45
08:00 - 12:00	45
<i>Instructional Course</i> – Shoulder Arthroscopy Cadaver Lab	45
13:00 - 17:00	46
<i>Instructional Course</i> – Knee Arthroscopy Cadaver Lab	46
13:00 - 17:00	46
<i>Instructional Course</i> – Shoulder Arthroscopy Cadaver Lab	46
Trauma Saturday, 7 December Auditorium	46
08:00 - 10:00	46
<i>SICOT Instructional Symposium</i> – Delayed Presentation	46
10:30 - 12:00	46
<i>Free Paper Session</i> – Trauma 4	46
Hip Saturday, 7 December Grand Ballroom Hall A1	46
08:00 - 10:00	46
<i>SICOT Instructional Symposium</i> – Instructional Course Lecture: Cemented THA - How? Why? Results	47
10:30 - 12:00	47
<i>Free Paper Session</i> – Hip 4	47
Osteoporosis Saturday, 7 December Grand Ballroom Hall A2	47
08:00 - 10:00	47
<i>Partner Society Symposium</i> – IOF: Osteoporosis (Fragility) Fractures in Orthopaedic Surgery: Interactive Case Discussion	47
10:30 - 12:00	48
<i>Free Paper Session</i> – Pain/Osteoporosis	48
Football / Emerging Technology Saturday, 7 December Grand Ballroom Hall A3	48
08:00 - 10:00	48
<i>SICOT Instructional Symposium</i> – Football Symposium: 2022 FIFA World Cup, Qatar: Orthopaedic Surgeons at the Highest Level	48
10:30 - 12:00	48
<i>Free Paper Session</i> – Emerging Technology	48
Microsurgery Saturday, 7 December Grand Ballroom Hall C1	48
08:00 - 10:00	49
<i>SICOT Instructional Symposium</i> – Use of Microsurgery in Orthopaedic Trauma	49
10:30 - 12:00	49
<i>SICOT Instructional Symposium</i> – Use of Microsurgery in Orthopaedic Tumour Surgery	49
WAIOT Saturday, 7 December Grand Ballroom Hall C2	49
08:00 - 10:00	49

<i>Partner Society Symposium</i> – WAIOT: Clinical Pathways and MSI in the Middle East and Surrounding Countries (I)	49
10:30 - 12:00	49
<i>Partner Society Symposium</i> – WAIOT: MSI in the Middle East and Surrounding Countries (II)	49
SOFcot / Miscellaneous Saturday, 7 December Grand Ballroom Hall C3	50
08:00 - 10:00	50
<i>Partner Society Symposium</i> – SOFCOT: Hip Osteonecrosis	50
10:30 - 12:00	50
<i>Free Paper Session</i> – Miscellaneous	50
Knee / Enhanced Recovery & Outpatient Arthroplasty Saturday, 7 December Junior Ballroom A	50
08:00 - 10:00	50
<i>SICOT Instructional Symposium</i> – New and Old Patterns of Failure in TKR	50
10:30 - 12:00	51
<i>SICOT Instructional Symposium</i> – Outpatient Total Joint Arthroplasty: Why, When and How	51
Young Surgeons Committee / Spine Saturday, 7 December Junior Ballroom B	51
08:00 - 10:00	51
<i>Young Surgeons Committee Symposium</i> – Difficult Case Discussions in Spine Surgery	51
10:30 - 12:00	51
<i>Short Free Paper Session</i> – Spine	51
Paediatrics / Trauma Saturday, 7 December Meeting Room 8	52

08:00 - 10:00	52
<i>Short Free Paper Session</i> – Paediatrics	52
10:30 - 12:00	52
<i>Free Paper Session</i> – Trauma 5	52
Developing World Saturday, 7 December Meeting Room 9	53
08:00 - 10:00	53
<i>Partner Society Symposium</i> – WOC: Sharing Experiences in Promoting Orthopaedic Services in LMICs	53
10:30 - 12:00	53
<i>Free Paper Session</i> – Developing World	53
Just-A-Minute Papers & Live Operation Video Thursday, 5 December SICOT Lounge	54
10:00 - 10:30	54
Just-A-Minute Paper Session 1	54
13:05 - 14:00	55
LIVE OPERATION VIDEO: Stem Cell Therapy for Arthritis and Spinal Cord Injury	55
15:30 - 16:00	55
Just-A-Minute Paper Session 2	55
Just-A-Minute Papers Friday, 6 December SICOT Lounge	55
10:00 - 10:30	55
Just-A-Minute Paper Session 3	55
15:30 - 16:00	56
Just-A-Minute Paper Session 4	56

07:50 - 08:50

Basic Science

Moderator: Arindam BANERJEE (INDIA)

- 07:50 Introduction and welcome
Fatih KUCUKDURMAZ (TURKEY)
- 08:00 YSC and its activities
Mohamed SUKEIK (SAUDI ARABIA)
- 08:10 Basic science of fracture healing and fixation
Arindam BANERJEE (INDIA)
- 08:20 Integrated hip fracture care pathway
Paolo FALASCHI (ITALY)
- 08:30 Fixation materials and designs
Shantharam SHETTY (INDIA)
- 08:40 Damage control orthopaedics
Hans-Christoph PAPE (SWITZERLAND)

08:50 - 09:45

Special Considerations

Moderator: Khaled EMARA (EGYPT)

- 08:50 Wound care
Khaled EMARA (EGYPT)
- 09:00 Open fractures
Shanmuganathan RAJASEKARAN (INDIA)
- 09:10 Pathologic fractures
Bulent EROL (TURKEY)
- 09:20 Fragility fractures
Marc HANSCHEN (GERMANY)
- 09:30 Interactive case discussion
Bulent EROL (TURKEY)

09:55 - 11:20

Fractures around the Upper Limb

Moderator: Peter YAU (HONG KONG)

- 09:55 Fracture clavicle and acromioclavicular joint injury: controversies in management
Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

- 10:05 Proximal humeral fracture I: when to fix and how to fix
W Jaap WILLEMS (NETHERLANDS)
- 10:15 Proximal humeral fracture II: when to consider replacement? Hemi-, total or reverse
Nuri AYDIN (TURKEY)
- 10:25 Fracture humeral shaft and distal humerus: conventional versus minimal invasive approach
Lee VAN RENSBURG (UNITED KINGDOM)
- 10:35 Fracture radial head, fracture olecranon and elbow dislocation: how to avoid complications
In-Ho JEON (SOUTH KOREA)
- 10:45 Forearm and distal radius fractures: how I treat these fractures
Christian FANG (HONG KONG)
- 10:55 Hand and wrist fracture: principle of management
Margaret FOK (HONG KONG)
- 11:05 Interactive case discussion
Christian FANG (HONG KONG)

11:30 - 12:25

Fractures around the Lower Limb (I)

Moderator: Peter YAU (HONG KONG)

- 11:30 Intertrochanteric and subtrochanteric fractures
James WADDELL (CANADA)
- 11:40 Femoral neck fractures
James WADDELL (CANADA)
- 11:50 Femoral shaft and distal femur fractures
Rafid AL ADHAB (IRAQ)
- 12:00 Patella fractures
To be announced
- 12:10 Interactive case discussion
To be announced

13:30 - 14:25

Fractures around the Lower Limb (II)

Moderator: Peter YAU (HONG KONG)

- 13:30 Proximal tibia fractures
Rene VERDONK (BELGIUM)
- 13:40 Tibial shaft and distal tibia fractures
Vijay SHETTY (INDIA)
- 13:50 Ankle fractures and dislocations
Sethu RAMANATHAN (OMAN)
- 14:00 Foot fractures and dislocations
Mohamed FADEL (EGYPT)
- 14:10 Interactive case discussion
Rene VERDONK (BELGIUM)

14:40 - 16:30

Spine, Pelvis and Acetabulum

Moderator: Azmi HAMZAOGLU (TURKEY)

- 14:40 Principles of management of fractures around the spine
Azmi HAMZAOGLU (TURKEY)
- 14:50 Cervical spine fractures
Cengiz ISIK (TURKEY)
- 15:00 Thoracic and lumbar spine fractures
Efe Levent ARAS (DENMARK)
- 15:10 Sacrum fractures
Ghazwan HASAN (IRAQ)
- 15:20 Interactive case discussion
Cengiz ISIK (TURKEY)
- 15:35 Break
- 15:45 Pelvic ring injuries
Aju BOSCO (INDIA)
- 15:55 Acetabular fractures
Mohamed SUKEIK (SAUDI ARABIA)
- 16:05 Polytrauma patients
Peter BIBERTHALER (GERMANY)
- 16:15 Interactive case discussion
James POWELL (CANADA)

16:45 - 18:00

Complications

Moderator: Fatih KUCUKDURMAZ (TURKEY)

- 16:45 Infection management
Oliver MARIN-PENA (SPAIN)
- 16:55 Compartment syndromes
Cihangir TETIK (TURKEY)
- 17:05 Delayed and nonunion
Ahmed ABDELAZEEM (EGYPT)
- 17:15 Venous thromboembolic event
Fahad HOSSAIN (UNITED KINGDOM)
- 17:25 Innovations and new technologies in trauma
Fuat AKPINAR (TURKEY)
- 17:35 Interactive case discussion
Fatih KUCUKDURMAZ (TURKEY)
- 17:50 Final remarks

31st Course on Polytrauma Management | Wednesday, 4 December | Grand Ballroom Hall A3

08:00 - 10:00

General Considerations

Moderator: Roman PFEIFER (SWITZERLAND)

- 08:00 Registration
Hans-Christoph PAPE (SWITZERLAND)
- 08:15 Introduction
Hans-Christoph PAPE (SWITZERLAND)
- 08:30 **Practical exercise: definition of polytrauma**
Roman PFEIFER (SWITZERLAND)
- 09:00 Road safety: Brazilian approaches, success and problems
Marcos MUSAFIR (BRAZIL)
- 09:15 Road traffic accidents: challenges across Africa
Thami BENZAKOUR (MOROCCO)
- 09:30 Road safety: European approaches, success and problems
Guenter LOB (GERMANY)
- 09:45 Epidemiology and pattern of mortality
Roman PFEIFER (SWITZERLAND)

10:30 - 12:00

Special Problems

Moderators: Hans-Christoph PAPE (SWITZERLAND), Roman PFEIFER (SWITZERLAND)

- 10:30 Strategies and treatment of brain injuries
Stephan FRENZEL (AUSTRIA)
- 10:45 Abdominal and thoracic injuries: indications for surgery
Gerhard ACHATZ (GERMANY)
- 11:00 Management of SIRS and MODS after trauma
Michel TEUBEN (SWITZERLAND)
- 11:15 Clearing trauma patients for surgery: which parameters are the best?
Roman PFEIFER (SWITZERLAND)
- 11:30 Case session I
Hans-Christoph PAPE (SWITZERLAND)

13:30 - 15:00

Priority of Care of Multiply Injured Patients

Moderators: Hans-Christoph PAPE (SWITZERLAND), Roman PFEIFER (SWITZERLAND)

- 13:30 Damage control surgery
Hans-Christoph PAPE (SWITZERLAND)
- 13:45 Management of polytrauma patients in ICU
Ruben PERALTA (QATAR)
- 14:00 Which spinal fractures require emergency surgery?
Shanmuganathan RAJASEKARAN (INDIA)
- 14:15 Stabilisation of hemodynamically unstable patients with pelvic injuries
Cyril MAUFFREY (UNITED STATES)
- 14:30 Case session II
Jordan SAVESKI (MACEDONIA)

15:30 - 16:20

Video Session

Moderators: Hans-Christoph PAPE (SWITZERLAND), Roman PFEIFER (SWITZERLAND)

- 15:30 **Video session:** Pelvic packing
Cyril MAUFFREY (UNITED STATES)
- 16:00 Case session III
Hans-Christoph PAPE (SWITZERLAND)

16:30 - 17:50

Reconstruction and Outcome

Moderators: Hans-Christoph PAPE (SWITZERLAND), Roman PFEIFER (SWITZERLAND)

- 16:30 Soft-tissue management/Ganga Open Injury Severity Score
Shanmuganathan RAJASEKARAN (INDIA)
- 16:45 Amputation versus reconstruction
Boris ZELLE (UNITED STATES)
- 17:00 Treatment of bone defects
Gerrolt JUKEMA (SWITZERLAND)
- 17:15 Objective outcome after polytrauma
Roman PFEIFER (SWITZERLAND)
- 17:30 Discussion of practical exercise
Roman PFEIFER (SWITZERLAND)
- 17:45 Final remarks on Polytrauma Course
Hans-Christoph PAPE (SWITZERLAND)

Dry Shoulder Arthroscopy Labs | Wednesday, 4 December | Meeting Room 10+11

08:00 - 10:30

Instructional Course—Dry Shoulder Arthroscopy Lab

Instructors: Ahmed KANDIL (EGYPT), Mohamed SOBHY (EGYPT), Mert Osman TOPKAR (TURKEY)

- 08:00 Lecture: Portals and arthroscopic anatomy
- 08:10 Lecture: Bankart repair technique
- 08:20 Lecture: Cuff repair technique
- 08:30 Lecture: Tips and tricks to avoid complications
- 08:40 Hands-on skill training

(This session is repeated as above on 6 December)

14:00 - 16:30

Instructional Course—Dry Shoulder Arthroscopy Lab

Instructors: Ahmed KANDIL (EGYPT), Karadi Hari Sunil KUMAR (UNITED KINGDOM), Nuri AYDIN (TURKEY), Turab SYED (UNITED KINGDOM)

- 14:00 Lecture: Portals and arthroscopic anatomy
- 14:10 Lecture: Bankart repair technique
- 14:20 Lecture: Cuff repair technique
- 14:30 Lecture: Tips and tricks to avoid complications
- 14:40 Hands-on skill training

(This session is repeated as above on 6 December)

Knee-Shoulder Cadaver Lab | Wednesday, 4 December | Sultan Qaboos University Hospital

08:00 - 12:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

Instructors: James LOH (SINGAPORE), Luis JORDAO (BRAZIL), Fernando ROSA (BRAZIL), Mohamed ABO ELNOUR (EGYPT)

- Advancements in ACL reconstruction: grafts, tunnels and fixation
- Primary ACL repair
- PCL reconstruction: all-inside versus open tunnel

MCL repair and posterolateral corner reconstruction
ALL reconstruction techniques (*time allowing*)
Meniscal repair: inside-out, all-inside and outside-in, meniscal root repair
MPFL reconstruction
Femoral trochleoplasty (*limited stations only, time allowing*)
(This session is repeated as above on 5 and 6 December)

08:00 - 12:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Raed ABU TALEB (SAUDI ARABIA), Gabriel RIFFEL (BRAZIL)

Subacromial decompression
SLAP repair
Bankart repair
Biceps tenodesis
Rotator cuff repair
Superior capsular reconstruction
SSN decompression (tunnel and notch)
Latarjet

(This session is repeated as above on 5 and 6 December)

13:00 - 17:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

Instructors: Fernando ROSA (BRAZIL), Luis JORDAO (BRAZIL), Tim DEAKON (CANADA), Stephen MCDONNELL (UNITED KINGDOM)

ACL reconstruction: grafts, tunnels and fixation
Primary ACL repair
PCL reconstruction: all-inside versus open tunnel
MCL reconstruction and posterolateral corner reconstruction
ALL reconstruction
Meniscal repair: inside-out, all-inside and outside-in, meniscal root repair
MPFL reconstruction

(This session is repeated as above on 5 and 6 December)

13:00 - 17:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

Instructors: Lee VAN RENSBURG (UNITED KINGDOM), Mohamed SOBHY (EGYPT)

Subacromial decompression
SLAP repair
Bankart repair
Biceps tenodesis
Rotator cuff repair
Superior capsular reconstruction
SSN decompression (tunnel and notch)
Latarjet

(This session is repeated as above on 5 and 6 December)

08:00 - 10:00

Free Paper Session – Trauma 1

Moderators: Essam ELSHERIF (EGYPT), Turab SYED (UNITED KINGDOM)

- 08:00 **Keynote lecture:** WHO campaign on healthy aging
Karsten DREINHOEFER (GERMANY)
- 08:15 Polytrauma - are binders being utilised appropriately?
Christopher O'DOWD-BOOTH, Thomas GEYTON, Jay WATSON, Christopher THORNHILL, Enis GURYEL, David CRONE (UNITED KINGDOM)
- 08:23 Biomechanical evaluation of osseous fixation pathways in an associated both column acetabulum fracture
Samuel HAILU¹, Richard JENKINSON², Markku NOUSIAINEN², David STEPHEN², Hans KREDER², Stewart MCLACHLIN², Carin WHYNE²
¹(ETHIOPIA), ²(CANADA)
- 08:31 Management of unstable pelvic ring fractures – is posterior fixation the solution? An analysis of 73 cases
Kumar R J BHARAT, Raju SIVAKUMAR, Kumar V N SUDEEP (INDIA)
- 08:39 Functional outcome of acute primary total hip replacement after complex acetabular fractures
Faizan IQBAL (PAKISTAN)
- 08:47 Reliability of radiographic Matta grading in the assessment of quality of reduction after surgical fixation of acetabular fracture
Aiman MUDAWI, Shady MAHMOUD, Ghalib AHMED, Abduljabbar ALHAMMOUD, Motasem SALAMEH, Maamoun SAMHADANEH (QATAR)
- 08:55 Pararectus versus ilioinguinal approach in acetabular surgery: a radiological and clinical outcome analysis
Christian VON RÜDEN¹, Lisa WENZEL¹, Johannes BECKER¹, Andreas BRAND¹, Andreas THANNHEIMER¹, Peter AUGAT², Mario PERL¹
¹(GERMANY), ²(AUSTRIA)
- 09:03 Clinical results of fixation with trans-iliac rod and screw fixation (TIRF) for posterior pelvic ring fractures
Yukihisa YAGATA, Yasuo ITO, Tsuyoshi KIKUCHI, Kazukiyo TODA, Kie NAKAGO (JAPAN)
- 09:11 Lumbo-pelvic fixation in unstable sacral fractures, is it a necessity or a changing trend? A clinico-radiological analysis of 67 cases
Renjith KARUKAYIL, Ajoy SHETTY (INDIA)
- 09:19 Combined ilioinguinal and modified Gibson approach with anterosuperior iliac spine (ASIS) osteotomy for improved acetabular exposure: a cadaveric study
Kitchai LUKSAMEEARUNOTHAI, Erik HASENBÖEHLER (UNITED STATES)
- 09:27 Minimally invasive surgery for calcaneal fractures using bioresorbable cannulated HA/PLLA screws
Takuya USAMI, Inamoto SHOUGO, Oota KYOUHEI, Takada NAOYA, Sekiya ISATO (JAPAN)
- 09:35 MRI evaluation of the posterior pelvic bony and soft-tissue injuries with Tile's C displaced pelvic fractures in young children
Mohamed KENAWAY (UNITED KINGDOM)

10:30 - 12:00

SICOT Instructional Symposium – Surgical Strategies in the Multiply Injured Patient

Moderator: Hans-Christoph PAPE (SWITZERLAND)

- 10:30 Shock room requirements – the Vienna experience
Stephan FRENZEL (AUSTRIA)
- 10:40 Timing: how early is early?
Michel TEUBEN (SWITZERLAND)
- 10:50 **Debate:** Why I perform ETC
James WADDELL (CANADA)
- 11:00 **Debate:** Why I perform DCO
Roman PFEIFER (SWITZERLAND)
- 11:10 Polytrauma assessment: which parameters in 2019?
Hans-Christoph PAPE (SWITZERLAND)
- 11:20 Results from a consensus meeting
Roman PFEIFER (SWITZERLAND)
- 11:35 Polytrauma - generalist or expert?
Ilir HASANI (MACEDONIA)

12:00 – 13:05

Plenary Session 1

12:00 Introduction to the Scientific Programme
Vikas KHANDUJA (UNITED KINGDOM)

Moderators: John DORMANS (UNITED STATES), Phillipe HERNIGOU (FRANCE)

12:05 The SIGN model for treating fractures in LMIC works
Lewis ZIRKLE (UNITED STATES)

Moderators: James WADDELL (CANADA), Ashok JOHARI (INDIA)

12:35 Patient specific orthopaedics: theory and practice
Mahmoud HAFEZ (EGYPT)

14:00 - 15:30

SICOT Instructional Symposium – Open Fractures and Compartment Syndrome: An Update

Moderator: Boris ZELLE (UNITED STATES)

14:00 Use of the Ganga Hospital Score for open fractures
Devendra AGRAHARAM (INDIA)

14:10 **Debate:** Acute compartment syndrome – I rely on data!
Frankie Ka LI LEUNG (HONG KONG)

14:25 **Debate:** Acute compartment syndrome – a clinical look is more important
Reinhard SCHNETTLER (GERMANY)

14:40 My approach to soft-tissue damage and soft-tissue loss in open fractures
Michel TEUBEN (SWITZERLAND)

14:50 How I deal with delayed presentation
Boris ZELLE (UNITED STATES)

- 15:00 Fractures, soft tissue injuries, bone defects: current proceedings
Gerrolt Nico JUKEMA (SWITZERLAND)
- 15:10 Pathophysiology/diagnosis of compartment syndrome
Edward HARVEY (CANADA)
- 15:20 Case based lecture and podium discussion
Dariush SAVADKOOHI (IRAN)

Hip | Thursday, 5 December | Grand Ballroom Hall A1

08:00 - 10:00

Free Paper Session—Hip 1

Moderators: Andre FERREIRA (FRANCE), Oliver MARIN-PENA (SPAIN)

- 08:00 **Keynote lecture:** Robotics in arthroplasty: is this the moment?
Fares HADDAD (UNITED KINGDOM)
- 08:15 Direct anterior approach is safe for revision total hip arthroplasty
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Danielle PONZIO, Alvin ONG (UNITED STATES)
- 08:23 Clinical evaluation conversion total hip arthroplasty from pedicled vascularized iliac bone graft transfer
Liangliang CHENG, Hui XIE, Wang BENJIE (CHINA)
- 08:31 Outcomes of cement in cement revision in revision total hip arthroplasty
Abhinandan KOTIAN¹, Abhijeet KUMAR² (UNITED KINGDOM), (INDIA)
- 08:39 Total hip arthroplasty after failure of acetabular fractures fixation
Jatinder Singh LUTHRA, Suwaillim AL GHANAMI (OMAN)
- 08:47 Managing dislocations following hip arthroplasty
Laszlo BUCSI, Kristóf JÁNVÁRI (HUNGARY)
- 08:55 Dual mobility cups for recurrent THA dislocation
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 09:03 Total hip arthroplasty: evolution of the use of dual mobility cups in Lebanon
Chahine ASSI¹, Jad MANSOUR¹, Jacques CATON², Camille SAMAHA¹, Kaissar YAMMINE¹ (LEBANON), (FRANCE)
- 09:11 Metallosis due to titanium taper wear in 36 ceramic-on-ceramic total hip arthroplasty causing early implant loosening and revision surgery
Jens G BOLDT (SWITZERLAND)
- 09:19 Pseudotumours in small-head metal-on-metal total hip arthroplasties at a minimum follow-up of 20 years: a concise follow-up of a previous report
Richard LASS, Paul KOLBITSCH, Iris NÖBAUER, Alexander GIUREA, Bernd KUBISTA, Reinhard WINDHAGER (AUSTRIA)
- 09:27 Our experience of treatment of Burch-Schneider anti-protrusio cage
Yoshinori SANO (JAPAN)
- 09:35 Peri-prosthetic fracture following cemented collarless polished taper stem: incidence and risk factors in over 2500 cases at maximum 14 years
Ahmed MAGAN, Stephen JONES (UNITED KINGDOM)
- 09:43 Interprosthetic femoral sleeves in revision arthroplasty
Hussein ABDELAZIZ, Christian LAUSMANN, Hans MAU, Thorsten GEHRKE, Mustafa CITAK (GERMANY)

- 09:51 Reoperation after elective total hip replacement: do reoperations influence the relative survival and is the relative survival diagnosis-specific?
Peter huayamave, Erik BÜLOW, Szilard NEMES, Yosef TYSON, Maziar MÖHADDES, Ola ROLFSON (SWEDEN)

10:30 - 12:00

SICOT Instructional Symposium—Hip Preservation

Moderators: Vikas KHANDUJA (UNITED KINGDOM), Danyal NAWABI (UNITED STATES)

- 10:30 Clinical features of a young adult with hip pain
Ajay MALVIYA (UNITED KINGDOM)
- 10:40 What can you read on a plain radiograph?
Oliver MARIN-PENA (SPAIN)
- 10:50 Rotational deformities and how they affect outcomes
Tony ANDRADE (UNITED KINGDOM)
- 11:00 Current concepts in the management of FAI
Danyal NAWABI (UNITED STATES)
- 11:10 Current concepts in the management of hip dysplasia
James POWELL (CANADA)
- 11:20 **Video:** Labral repair
Tony ANDRADE (UNITED KINGDOM)
- 11:30 **Video:** CAM osteochondroplasty
Oliver MARIN PENA (SPAIN)
- 11:40 **Video:** Subspine decompression with labral refixation and labral reconstruction
Danyal NAWABI (UNITED STATES)
- 11:50 Discussion

12:30 - 14:00

Industry-Sponsored Session

14:00 - 15:30

Partner Society Symposium—American Hip Society: Orthopaedic Infections - Recent Developments and an Update

Moderator: Javad PARVIZI (UNITED STATES)

- 14:00 Prevention of orthopaedic infections: my ten-step approach
James WADDELL (CANADA)
- 14:08 Five decades of experience in reimplantation of the infected THR at Hospital for Special Surgery, NY
Eduardo SALVATI, Alberto CARLI (UNITED STATES)
- 14:16 Diagnosis of orthopaedic infections: challenges and innovations
Javad PARVIZI (UNITED STATES)
- 14:24 Treatment of acute PJI
To be announced



- 14:32 Treatment of chronic PJI: two stage
Amar RANAWAT (UNITED STATES)
- 14:40 Treatment of chronic PJI: one stage
Fares HADDAD (UNITED KINGDOM)
- 14:48 Discussion

16:00 - 17:30

Free Paper Session—Hip 2

- Moderators:** Laszlo BUCSI (HUNGARY), Satish KUTTY (UNITED KINGDOM)
- 16:00 Management of acetabular fractures
Abdeljaouad NAJIB (MOROCCO)
- 16:08 Neck of femur fractures: is our consent adequate?
Robert WHITHAM, Hammad PARWAIZ, Alexander TAYLOR,
Harold AKEHURST, Matthew FLINTOFT-BURT, Alexander
ASHMORE (UNITED KINGDOM)
- 16:16 Improving outcomes for proximal femoral fragility fractures: the
importance of a multifactorial approach
Epaminondas VALSAMIS, David RICKETTS, Matthew WHITE,
Benedict ROGERS (UNITED KINGDOM)
- 16:24 Prediction of the delayed healing in the bisphosphonate atypical femur
fracture by AFPU score
Yangguan WU, David JOSEPH, Vinay SIDDAPPA, Rohit HASIJA,
Vinayak PERAKE, Richard GHILLANI (UNITED STATES)
- 16:32 Do conservatively managed hip fractures have a higher mortality rate?
Cheryl Marise Pellin TAN, Antony Xavier Rex PREMCHAND
(SINGAPORE)
- 16:40 Mortality rate and mid-term outcomes of total hip arthroplasty using
dual mobility cups for the treatment of femoral neck fractures in a
Middle Eastern population
Chahine ASSI¹, Jacques CATON², Camille SAMAHA¹, Elle
NAJJAR¹, Kaissar YAMMINE¹
¹(LEBANON), ²(FRANCE)
- 16:48 Primary hemiarthroplasty versus internal fixation using dynamic hip
screw in unstable trochanteric fractures in an elderly population
Prateek GOEL, VK GAUTAM, Ajeet KUMAR, Abhijit BEHERA,
Ekshit AGRAWAL (INDIA)
- 16:56 Are patients with hip fractures on direct oral anticoagulants at
increased risk of morbidity and mortality?
Aatif MAHMOOD, David WHITTAM, Singh GAVINJIT, Sajawal
PERVAIZ, Jones CHRISTINE, WJ HARRISON (UNITED KINGDOM)
- 17:04 A comparison of outcomes between hemiarthroplasties and total hip
replacements for neck of femur fractures meeting Nice guidelines
Saad AZHAR, Nitish GOGI, Sally DILLINGHAM, Benjamin
BROOKE (UNITED KINGDOM)
- 17:12 Dynamic hip screw vs cancellous screws for intracapsular neck of
femur (NOF) fractures in young patients
Abhinandan KOTIAN¹, Abhijeet KUMAR², Asif IQBAL¹, Benjamin
COUPE¹
¹(UNITED KINGDOM), ²(INDIA)
- 17:20 Impact of resident training level on radiation exposure during fixation of
proximal femur fractures
Zachary POST, Andres DUQUE, Eric BUXBAUM, Danielle
PONZIO, Sean GRIFFITHS, Eddie WU, Fabio OROZCO, Alvin ONG
(UNITED STATES)

International Congress on Hip Dysplasia &
Paediatrics | Thursday, 5 December | Grand
Ballroom Hall A2

08:00 - 10:00



Partner Society Symposium—International Congress on Hip Dysplasia 1

- Moderators:** James KASSER (UNITED STATES), Joshua HYMAN (UNITED STATES), Mihir THACKER (UNITED STATES), Marek SYNDER (POLAND)
- 08:00 Welcome to the International Congress on Hip Dysplasia
- 08:02 Embryology and pathology of developmental dysplasia of the hip:
clinical implications
James KASSER (UNITED STATES)
- 08:15 Discussion
- 08:18 Hip screening and value of US application: our experience in Shanghai,
China
Li ZHAO (CHINA)
- 08:30 Discussion
- 08:33 Biomechanics of abduction contracture and its implications to DDH
Victor HUAYAMAVE, Charles PRICE (UNITED STATES)
- 08:38 Discussion
- 08:41 International interdisciplinary consensus meeting on evaluation of
developmental dysplasia of the hip
Sattar ALSHRYDA¹, Joe OBEIRNE², Konstantinos
CHLAPOUTAKIS³
¹(UNITED ARAB EMIRATES), ²(IRELAND), ³(GREECE)
- 08:46 Discussion
- 08:50 Standardised, validated education programmes for diagnosis and non-
surgical treatment of developmental dysplasia of the hip
Emily DODWELL (UNITED STATES)
- 09:03 Discussion
- 09:06 Ultrasound management of infant hip dysplasia
Mihir THACKER (UNITED STATES)
- 09:18 Discussion
- 09:21 Evidence based treatment for developmental dysplasia of the hip in
children under 6 months of age
Sattar ALSHRYDA¹, Maryam ASHOOR², Nada ABDULLA¹
¹(UNITED ARAB EMIRATES), ²(BAHRAIN)
- 09:26 Short-term outcomes of closed reduction after percutaneous adductor
tenotomy for developmental dysplasia of the hip and the analysis of the
indications of this treatment: a retrospective study of 147 cases
Hao LI, Ziming ZHANG (CHINA)
- 09:31 Discussion
- 09:36 The outcome of Salter innominate osteotomy for developmental hip
dysplasia before and after 3 years old
Seyyed Saeed KHABIRI, Taghi BAGHDADI, Nima BAGHERI (IRAN)
- 09:41 Salterian Dega osteotomy for the management of developmental
dysplasia of the hip in children after walking age
Elsayed SAID, Hamdi TAMMAM (EGYPT)
- 09:46 Discussion

10:30 - 12:00



Partner Society Symposium—International Congress on Hip Dysplasia 2

Moderators: Charles PRICE (UNITED STATES), James KASSER (UNITED STATES), Li ZHAO (CHINA)

- 10:30 Innovations in prevention, diagnosis and initial treatment of DDH
Charles PRICE (UNITED STATES)
- 10:42 Discussion
- 10:45 Immovable acetabular center in TPO lead a good clinical and radiological outcomes in children with DDH
Zhen Peng LIANG (CHINA)
- 10:50 Comparison of outcomes of periacetabular osteotomy (PAO) for developmental dysplasia of the hip (DDH) vs femoroacetabular impingement (FAI): a study using the UK Non Arthroplasty Hip Registry (NAHR) dataset
Ajay MALVIYA, Richard HOLLEYMAN, Mark SOHATEE, Johan WITT, Marcus BANKES, Vikas KHANDUJA (UNITED KINGDOM)
- 10:55 Discussion
- 11:00 Surgical tips for hip dysplasia
Travis MATHENEY (UNITED STATES)
- 11:12 Salter's innominate osteotomy: is it a redirection or a containment one?
Khamis EL DEEB (EGYPT)
- 11:24 Long-term results of Dega pelvic osteotomy in developmental dysplasia of the hip
Marek SYNDER (POLAND)
- 11:36 Discussion
- 11:44 Paediatric hip in skeletal dysplasia and syndromes
Darko ANTICEVIC (CROATIA)
- 11:56 Discussion

13:00 - 14:00

Industry-Sponsored Session

14:00 - 15:30

SICOT Instructional Symposium—Paediatric Trauma and Sports

Moderators: Evelyn KUONG (HONG KONG), Saw AIK (MALAYSIA)

- 14:00 Knee OCD in a paediatric/adolescent population
Indranil KUSHARE (UNITED STATES)
- 14:13 ACL and MPFL reconstruction: when is it indicated?
Jorge KNORR (SPAIN)
- 14:26 Hip pain in the young athlete
Vikas KHANDUJA (UNITED KINGDOM)
- 14:39 Paediatric hip fractures: an update
Evelyn KUONG (HONG KONG)
- 15:05 Neglected trauma: what to do?
Saw AIK (MALAYSIA)
- 15:18 Discussion

16:00 - 17:30

Free Paper Session—Paediatrics 1

Moderators: Ismet GAVRANKAPETANOVIC (BOSNIA), Gholam Hossain SHACHERAGI (IRAN)

- 16:00 Minimally displaced lateral humeral condyle fractures - optimising follow-up and minimising cost
Mihir THACKER, Kenneth ROGERS, Carlos PARGAS, Theresa MILES (UNITED STATES)
- 16:08 Supracondylar humerus fractures in low and lower middle-income countries: a review of the current epidemiology, treatment modalities and outcomes
Sravya CHALLA, Kiran AGARWAL-HARDING, Paul LEVY, Jill BARR-WALKER, Coleen SABATINI (UNITED STATES)
- 16:16 The impact of a virtual orthopaedic triage clinic model in Northern Ireland
Raymond MCKENNA, Elaine ROBINSON, Jim BALLARD, Aidan COSGROVE (UNITED KINGDOM)
- 16:24 Correction of lower extremity angular deformities in skeletal dysplasia with hemiepiphyodesis
Mihir THACKER, William MACKENZIE, Amit NEMADE, Kenneth ROGERS, Carlos PARGAS, Colleen DITRO (UNITED STATES)
- 16:32 Neonatal birth fractures: a tertiary maternity hospital experience
Rachael FISHER, Prakash PROMOD, Amanda OGILVY-STUART, Stuart WILLS, Glenda VIRGO, Andreas REHM (UNITED KINGDOM)
- 16:40 Outpatient ambulatory management of acute paediatric fractures is safe, saves inpatient hospital admissions and has high levels of parent satisfaction
Paul CAMERON, Brook LEUNG, G JAYASINGHE, Thomas CRMPTON, Joideep PHADNIS (UNITED KINGDOM)
- 16:48 The diagnostic utility of muscle biopsy for suspected myopathy: a primer for orthopaedists
Mihir THACKER, Monica PAYARES-LIZANO, Carlos PARGAS, Kenneth ROGERS, Brian DEIGNAN, Corrine LINK, William MACKENZIE (UNITED STATES)
- 16:56 Legg-Calve-Perthes disease can lead to acetabular retroversion
Christiane Sylvia LEIBOLD¹, Simon Damian STEPPACHER¹, Patrick WHITLOCK², Florian SCHMARANZER¹, Moritz TANNAST¹, Klaus Arno SIEBENROCK¹
¹(SWITZERLAND), ²(UNITED STATES)
- 17:04 Validation of the Patient Reported Outcomes Measurement Information System (PROMIS) pain measures in paediatric patients with cerebral palsy
Joshua HYMAN, Hiroko MATSUMOTO, Matthew SIMHON, Heakyung KIM, David ROYE (UNITED STATES)
- 17:12 Application of antifibrotic substances on pes equinovarus derived cells
Jarmila KNITLOVA, Martina DOUBKOVA, Martin OSTADAL, Adam ECKHARDT, Tomas NOVOTNY, Jana MUSILKOVA (CZECH REPUBLIC)

08:00 - 10:00

Sports Medicine | Thursday, 5 December | Grand Ballroom Hall A3

Free Paper Session—Sports Medicine 1

Moderators: Suwailim AL GHANAMI (OMAN), Fabio SCIARRETTA (ITALY)

- 08:00 **Keynote lecture:** Ideal cocktail: merging academic and clinical orthopaedic practice
Edward MAH (AUSTRALIA)
- 08:15 Role of tibial plateau slope in anterior cruciate ligament injuries: a study in an Indian population
Saikat JENA (INDIA)
- 08:23 Is DVT prophylaxis indicated after ACL reconstruction surgery?
Amirmohammad NAVALI, Ali NAGHILOO, Leila AZHAR SHEKOUFEH BAHARI (IRAN)
- 08:31 Probability of anterior cruciate ligament tear in the contralateral knee and in siblings
Mohsen MARDANI-KIVI (IRAN)
- 08:39 Is saphenous nerve at risk following hamstring graft harvest in arthroscopic ACL reconstruction surgery?
Suwailim AL GHANAMI, Ismail AL HABSI, Arafat ALFIKEY (OMAN)
- 08:47 Our experience with extra-articular augmentation of ACL reconstruction
Begad ABDEL RAZEK, Ahmed ABDEL-AZIZ, Ahmed MAHMOUD GAD, Ahmed SAMIR ELKALYOBY, Mahmoud ABBAS TOLBA (EGYPT)
- 08:55 The ACL and anterolateral ligament (ALL) reconstruction – rotational stability after two years
Radek HART, Martin KOMZAK (CZECH REPUBLIC)
- 09:03 Comparison of functional outcome of transtibial endoscopic anterior cruciate ligament reconstruction by bone-patellar tendon-bone graft with and without augmentation
Sakeb NAJMUS (BANGLADESH)
- 09:11 Femoral head-neck offset and the hip range of motion in patients with ACL injury
Abolfazl BAGHERIFARD, Mahmud JABALAMELI, Hooman YAHYAZADEH, Azadeh SHAFIEESABET, Kaveh GHARANIZADEH, Hosseinali HADI, Ali JAHANSOUZ, Parhan KHANLARI (IRAN)
- 09:19 Arthroscopic ACL reconstruction through trans-tibial tunnel using bone–patellar tendon–bone graft
Sanjay KESHKAR, Nirmal DEY (INDIA)
- 09:27 A comparative evaluation of the results of arthroscopic anterior cruciate ligament reconstruction with quadrupled hamstring graft using Crosspinning (Transfix) or Endobutton as femoral tunnel graft fixation methods
Ankit KATARIA, Vinod KUMAR, Kundan KUNDU (INDIA)
- 09:35 Clinical and functional outcomes for all inside tightrope versus PLLA-HA interference screw fixation in arthroscopic ACLR
Nishit PALO, Sidharth CHANDEL, Bhaskar BORGHAIN, Manoj PATEL (INDIA)
- 09:43 Comparison of functional outcome between ‘transportal’ and ‘outside in’ technique in arthroscopic anterior cruciate ligament reconstruction
Abhishek SAXENA, Rajat JANGIR (INDIA)
- 09:51 ACL reconstruction, when is best to intervene
Andrew STEPHENS (AUSTRALIA)

10:30 - 12:00



Partner Society Symposium—ICRS: Joint Preservation - Return to the Future

Moderators: Fabio SCIARRETTA (ITALY), Stephen ABELOW (UNITED STATES)

- 10:30 Meniscus and cartilage repair
Rene VERDONK (BELGIUM)
- 10:38 ACL and cartilage repair
Stephen ABELOW (UNITED STATES)
- 10:46 Patellar instability and cartilage repair
Sethu RAMANATHAN (OMAN)
- 10:54 Osteotomy and cartilage repair: new mini-invasive possibilities
Gamal HOSNY (EGYPT)
- 11:02 Bone marrow in cartilage orthobiology
Fabio SCIARRETTA (ITALY)
- 11:10 Chondrocytes in cartilage orthobiology
Stefan MARLOVITS (AUSTRIA)
- 11:18 Adipose tissue in cartilage orthobiology
Fabio SCIARRETTA (ITALY)
- 11:26 Role of arthroscopy
John LANE (UNITED STATES)
- 11:34 Athletes and orthobiologics
Emanuel PAPACOSTAS (GREECE)
- 11:42 Religious sentiments in cartilage orthobiology
Dívayanshu GOYAL (INDIA)
- 11:50 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Current Concepts in the Management of Meniscal Tears

Moderator: Peter YAU (HONG KONG)

- 14:00 Strategy of treatment of meniscal tear: resect, repair, reconstruct or replace?
Rene VERDONK (BELGIUM)
- 14:10 How I handle bucket handle tear: tips and tricks
James LOH (SINGAPORE)
- 14:20 ‘Ramp lesion’ - diagnosis and treatment
Peter YAU (HONG KONG)
- 14:30 ‘Root tear’ - biomechanics, classification and surgery
Umer BUTT (PAKISTAN)
- 14:40 Discoid meniscus with tear: update in management
Anant MAHAPATRA (IRELAND)
- 14:50 Meniscal repair fails to heal: causes and treatment
Julio FERNANDES (CANADA)
- 15:00 Salvaging irreparable tear: meniscal transplant
Rene VERDONK (BELGIUM)
- 15:10 Round table case discussion

16:00 - 17:30

Free Paper Session—Sports Medicine 2

Moderators: Turab SYED (UNITED KINGDOM), Marc TOMPKINS (UNITED STATES)

- 16:00 No additional benefit and higher complications rate with synthetic graft augmentation in anterior cruciate ligament reconstruction: a systematic review
Tarek BOUTEFNOUCHET, Mohammed Abbas REMTULLA, Keshav MATHUR (UNITED KINGDOM)
- 16:08 Biocomposite screws fixation in soft-tissue ACL reconstruction – retrieval analysis after tibial cyst: a case series
Rodica MARINESCU, Iozefina BOTEZATU, Andrei BUNEA, Dan LAPTOIU (ROMANIA)
- 16:16 A lateral extra-tenodesis of the iliotibial band
Amr OMR (EGYPT)
- 16:24 MRI evaluation of anterolateral ligament tears in knee injury with anterior cruciate ligament rupture
Aman HOODA (INDIA)
- 16:32 Prediction of the graft size of 5-stranded semitendinosus and gracilis tendons for anterior cruciate ligament reconstruction: retrospective cohort study
Mohammad HAMMAD, Abdullah ABDULLAH, Nidal ALKHATIB, Kong Wai Jing GERALDINE, Faris ABUSHAABAN (QATAR)
- 16:40 Relation of tibial posterior slope to tibial tunnel widening after primary ACL reconstruction in Indian population
Saikat JENA (INDIA)
- 16:48 Arthroscopic primary ACL suture in physically active patients
Andrzej BOROWSKI, Marek SYNDER, Michal SKRZYPEK, Kajetan PSTRAGOWSKI, Lukasz KULIGOWSKI, Munaf A HATIM, Marek DROBNIOWSKI (POLAND)
- 16:56 Does hamstring tendon graft diameter affect the outcome of anterior cruciate ligament surgery?
Akash SINGHAL, Ravi GUPTA, Anil KAPOOR (INDIA)
- 17:04 Anatomic study and reanalysis of the nomenclature of the anterolateral complex of the knee focusing on the distal iliotibial band: identification and description of the condylar strap
Philippe LANDREAU¹, Antoine CATTEEUW², Fawaz HAMIE¹, Adnan SAITHNA³, Bertrand SONNERY-COTTET⁴, Robert SMIGIELSKI⁵
¹(UNITED ARAB EMIRATES), ²(BELGIUM), ³(UNITED STATES), ⁴(FRANCE), ⁵(POLAND)
- 17:12 Establishing the first registry on posterior cruciate ligament in our region: the Tehran Posterior Cruciate Ligament Registry (TPCLR) study design and primary results
Saman GHAFARI, Mohammed RAZI, Haleh DADGOSTAR, Allreza ASKARI, Mojtaba FARJAM, Peyman ARASTEH (IRAN)
- 17:20 A double blind randomized comparative study of two autografts in arthroscopic ACL reconstruction
Vidyasagar JVS (INDIA)

Hand | Thursday, 5 December | Grand Ballroom Hall
C1

08:00 - 10:00

Free Paper Session—Hand 1

Moderators: Peter KILONZO (KENYA), Divya SINGH (UNITED STATES)

- 08:00 **Keynote lecture:** Hand injuries and basic principles of management
Divya SINGH (UNITED STATES)
- 08:15 Reconstruction of upper limb bone defects by free vascularized fibular graft (VFG)
Mohammed KOTB (EGYPT)
- 08:23 The observation of two different reverse digital artery island flaps in repairing fingertip soft-tissue defect
Jia-Xiang GU (CHINA)
- 08:31 Arthroplasty using osteochondral grafts from the knee for post-traumatic or degenerative hand joint disorders
Narihito KODAMA, Kosei ANDO, Kojiro MOTOHARA (JAPAN)
- 08:39 Clinical results of percutaneous release of trigger fingers using an 18-gauge needle
Mohamed KASSEM¹, Ahmed ALSHAYE², Sherif GHONEIM¹
¹(EGYPT), ²(UNITED ARAB EMIRATES)
- 08:47 Comparative evaluation of outcome of flexor tendon repair with or without amniotic membrane wrap
Saket PRAKASH, Anil DHAL, Pulkit KALRA (INDIA)
- 08:55 Introduction of an innovative repair technique in type IV FDP tendon avulsions
Gabriel HALAT, Lukas NEGRIN, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTNER, Jochen ERHART, Patrick PLATZER, Stefan HAJDU (AUSTRIA)
- 09:03 Role of addition of Dexamethasone and Ketorolac to lignocaine intravenous regional anaesthesia (Bier's block) to improve tourniquet tolerance and postoperative analgesia in hand and forearm surgery
Syed Faraz Ul Hassan Shah GILLANI, Rana Dilawaiz NADEEM, Muhammad AKRAM (PAKISTAN)
- 09:11 Safe route for placement of K-wire in proximal phalanx by avoiding injury to extensor apparatus
Amith Ram RAMASAMY (INDIA)
- 09:19 Rising pressures and demands on hand clinics: could physiotherapy LED clinics be a solution?
Ahmed DAOUB (UNITED KINGDOM)
- 09:27 Comparison of local steroid injection and surgical decompression in treatment of carpal tunnel syndrome
Rahman Rasool AKHTAR, Umer SHAFIQUE (PAKISTAN)
- 09:35 Comparative study of double IV cannula and single needle technique of aspiration and methylprednisolone injection in the treatment of wrist ganglion
Siddharth GUPTA, Rajesh CHOPRA (INDIA)
- 09:43 Asymptomatic electrophysiological carpal tunnel syndrome
Tatsuki EBATA (JAPAN)
- 09:51 A pedicle or free flap for reconstruction of upper extremity
Kosei ANDO (JAPAN)
- 09:59 Results of single stage free tendon graft in neglected flexor tendon injury zone II in adults using FDS tendon of the injured digit
Ahmed MAHMOUD¹, Tarek EL-GAMMAL², Amr EL-SAYED², Mohamed KOTB²
¹(OMAN), ²(EGYPT)

10:30 - 12:00



SICOT Instructional Symposium—Peripheral Nerve Injuries (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)

Moderators: Frédéric SCHUIND (BELGIUM), Abdullah AL-HARTHY (OMAN)

- 10:30 Management of total brachial plexus injury
Margaret FOK (HONG KONG)
- 10:45 Upper extremity major reimplantations
Sait ADA (TURKEY)
- 11:00 Radial nerve injuries – current concepts
Anil DHAL (INDIA)
- 11:15 Bone shortening to allow direct nerve suture
Fabian MOUNGONDO, Jérôme VALCARENGHI, Aurélie ANDRZEJEWSKI, Frederic SCHUIND (BELGIUM)
- 11:30 Outcome of amniotic wrap at peripheral nerve repair site
Anil DHAL (INDIA)
- 11:45 Discussion

14:00 - 15:30



SICOT Instructional Symposium—Trauma (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)

Moderator: Frédéric SCHUIND (BELGIUM)

- 14:00 Complications in phalangeal and metacarpal fractures
Ferdinando DA RIN DE LORENZO (ITALY)
- 14:09 Causes and prevention of post-traumatic finger stiffness
Frédéric SCHUIND (BELGIUM)
- 14:18 Treatment strategies in the mutilated hand
Sait ADA (TURKEY)
- 14:27 Treatment of mutilating hand injuries
Marko BUMBASIREVIC (SERBIA)
- 14:36 Arthroscopically assisted treatment of malunited distal radial fractures
Amr ALY (EGYPT)
- 14:45 Carpal instability: diagnosis, treatment and the future
Zulfi RAHIMTOOLAZ (UNITED KINGDOM)
- 14:54 Percutaneous sonographically guided procedures in hand surgery: from biomechanical studies to clinical solutions
Fabian MOUNGONDO (BELGIUM)
- 15:03 Management of scaphoid fractures in Oman
Abdullah AL HARTHY (OMAN)
- 15:12 Brussels research in peripheral nerve surgery
Frédéric SCHUIND (BELGIUM)
- 15:21 Arthroscopic management of distal radius and scaphoid fractures
Margaret FOK (HONG KONG)

16:00 - 17:30

Free Paper Session—Hand 2

Moderators: Frédéric SCHUIND (BELGIUM), Roshanak MORADI (IRAN)

- 16:00 What is the prevalence of primary osteoarthritis of the distal radioulnar joint on plain X-rays and how many patients have ulnar wrist pain?
Nadine HOLLEVOET, Benis SZABOLCS (BELGIUM)
- 16:08 Capitate shortening in Kienböck's disease in 10 cases: clinical and radiological results more than five years of follow-up
Kamel ACHOUR, Abdelhalim OULD ROUIS, Amine TOUHAMI, Mourad OUBIRA, Mourad HAMIDANI (ALGERIA)
- 16:16 Management of flexion contractures of the wrist by differential distraction
Alok Chandra AGRAWAL (INDIA)
- 16:24 Functional and radiological outcomes following surgically managed perilunate dislocations
Binoy SAYOOJIANADHAN, Sreejith PAPPU (INDIA)
- 16:32 Systematic review of diagnosis for clinically suspected scaphoid fractures: which is best?
Henrik BAECKER¹, Chia WU², Robert STRAUCH²
¹(GERMANY), ²(UNITED STATES)
- 16:40 The critical size of a ulnar styloid fracture and the biomechanical effects of the remnants soft tissues and of the surgical repair on the DRUJ-stability
Mauro MANIGLIO¹, Il Jung PARK², William FRAIPONT³, Remy FLUECKIGER¹, Lillanna BOLINGER¹, Matthias ZUMSTEIN¹, Michelle MCGARRY³, Thay Q LEE³
¹(SWITZERLAND), ²(SOUTH KOREA), ³(UNITED STATES)
- 16:48 GCT of scaphoid treated with excision and four corner fusion
Asjad MAHMOOD, Tahir ANSARI (INDIA)
- 16:56 The comparison between strut bone and chip bone allograft following volar locking plating in the treatment of the distal radius fracture: a retrospective cohort study
Kuang-Ting YEH, Hao-Wen CHEN, Yi-Chen LI, Kuen-Huei LIN, Ing-Ho CHEN (TAIWAN)
- 17:04 A retrospective cohort study of volar locked plating fixation following corrective osteotomy in malunion of distal radius fracture
Hao-Wen CHEN, Yi-Chen LI, Kuang-Ting YEH, Kuen-Huei LIN (TAIWAN)
- 17:12 Fixation of distal radius fractures using wide awake anaesthesia with no tourniquet technique: a cost effective and resource friendly alternative in lower income and middle income countries
Muhammad TAHIR¹, Ghulam MAHBOOB¹, Mark PHILLIPS², Allah Rakhio JAMALI¹
¹(PAKISTAN), ²(UNITED KINGDOM)

Foot & Ankle | Thursday, 5 December | Grand Ballroom Hall C2

08:00 - 10:00

Free Paper Session—Foot & Ankle 1

Moderators: Sofiene KALLEL (TUNISIA), Arvind PURI (AUSTRALIA)

- 08:00 **Keynote lecture:** MHealth implications for world healthcare
Edward HARVEY (CANADA)
- 08:15 Subtalar arthroriesis in paediatric flexible flatfoot
Mohd Ishaq ALAMLIH, Salah ALBURDENI, Ghalib AL HANEEDI (QATAR)
- 08:23 Supramalleolar osteotomy and AMIC cartilage reconstruction in severe cartilage lesion
Hajo THERMANN, Ahmed SHOKRY, Ahmed HEGAZY (GERMANY)

- 08:31 Total talar replacement with a novel 3D printed modular prosthesis for tumours
Zou CHANG, Hong DUAN (CHINA)
- 08:39 A prospective study to evaluate the results of endoscopic management for Haglund's syndrome using 3 portal technique
Vinod KUMAR, Keshave SINGH (INDIA)
- 08:47 Restoration of standing and walking functions in crawling, crouching, hopping limping and squatting patients – analysis of surgical treatment of 255 cases
Mofakhkharul BARI (BANGLADESH)
- 08:55 Weber-transformation-surgery - ankle construction in fibular hemimelia
Michael WEBER (UNITED ARAB EMIRATES)
- 09:03 Functional and radiological outcome of tibiotalar calcaneal arthrodesis in Charcot neuroarthropathy using a retrograde hind foot nail
Chandrababu KADASSERY KUMARAN, Balu C BABU (INDIA)
- 09:11 Features of the first metatarsophalangeal joint chondroplasty by autologous matrix-induced chondrogenesis (AMIC) in treatment of patients with first metatarsophalangeal joint osteoarthritis
Maxim NURMUKHAMEDOV, Maxim MAKAROV, Sergey MAKAROV, Evgeny BIALIK, Yaroslav KHRENNIKOV, Valery BIALIK, Vadim NESTERENKO (RUSSIA)
- 09:19 Functional bracing is cost effective and safer in management of stable Weber B ankle fractures: multicentre study
Sherif ELNIKETY, Ahmed ABDELAAL, Sherif ALY (UNITED KINGDOM)
- 09:27 Intermediate to long-term follow-up of HIntegra total ankle replacements
Raymond MCKENNA, Gavin HEYES, Andrew WALLS, Prout HONOR, Alistair WILSON, John WONG-CHUNG (UNITED KINGDOM)
- 09:35 Subluxation of the middle facet of the subtalar joint as a marker of adult acquired flatfoot deformity peritalar subluxation: a case-control study
**Cesar DE CESAR NETTO¹, Alexandre Leme GODOY-SANTOS², Guilherme Honda SAITO¹, Francois LINTZ³, Sorin SIEGLER¹, Martin O'MALLEY¹, Jonathan DELAND¹, Scott J ELLIS¹
¹(UNITED STATES), ²(BRAZIL), ³(FRANCE)**

10:30 - 12:00



SICOT Instructional Symposium –The Commonest Foot and Ankle Surgeries: This is How I Do It! (1) (in partnership with the American Orthopaedic Foot and Ankle Society)

Moderators: Rupinderbir DEOL (UNITED KINGDOM), Paulo FERRAO (SOUTH AFRICA)

- 10:30 1. Ankle arthroscopy
Nick SARAGAS (SOUTH AFRICA)
- 10:40 2. OATS procedure for osteochondral lesion of the talus
Paulo FERRAO (SOUTH AFRICA)
- 10:50 3. Ankle fusion
Adriaan VAN ZYL (SOUTH AFRICA)
- 11:00 Case 1: How I wish I did it differently - a case that taught me so much
Anish KADAKIA (UNITED STATES)
- 11:10 4. Diabetic ankle fracture
Guangrong YU (CHINA)
- 11:20 5. Calcaneal fracture fixation
Mingzhu ZHANG (CHINA)
- 11:30 6. Tibiotalocalcaneal fusion with a hindfoot fusion nail
Cristian ORTIZ (CHILE)

- 11:40 Case 2: How I wish I did it differently - a case that taught me so much
Adriaan VAN ZYL (SOUTH AFRICA)

- 11:50 Clinical case discussions
Gowreeson THEVENDRAN (SINGAPORE)

14:00 - 15:30



SICOT Instructional Symposium –The Commonest Foot and Ankle Surgeries: This is How I Do It! (2) (in partnership with the American Orthopaedic Foot and Ankle Society)

Moderators: Gowreeson THEVENDRAN (SINGAPORE), Nick SARAGAS (SOUTH AFRICA)

- 14:00 7. Lisfranc injury stabilization
Rupinderbir DEOL (UNITED KINGDOM)
- 14:10 8. Base of 5th metatarsal fracture with an IM screw
Daniel FARBER (UNITED STATES)
- 14:20 9. Syndesmotic stabilisation with a Tightrope device
Willi BRYCESON (AUSTRALIA)
- 14:30 Case 3: How I wish I did it differently - a case that taught me so much
Vinod PANCHBHAVI (UNITED STATES)
- 14:40 10. Hallux valgus correction
Lucky JEYASEELAN (UNITED KINGDOM)
- 14:50 11. How I do gastrocnemius/Achilles lengthening
Pradeep MOONOT (INDIA)
- 15:00 12. Medialising calcaneal osteotomy
Kar Hao TEOH (UNITED KINGDOM)
- 15:10 Case 4: How I wish I did it differently - a case that taught me so much
Cristian ORTIZ (CHILE)
- 15:20 Clinical case discussions
Arvind PURI (AUSTRALIA)

16:00 - 17:30

Free Paper Session –Foot & Ankle 2

Moderators: Ali ALARADI (BAHRAIN), Adriaan VAN ZYL (SOUTH AFRICA)

- 16:00 Arthrodesis of the first metatarsophalangeal joint reduces the hindfoot ground pressure during walking
Patrycja SZKUTNIK, Aleksandra CZECHOWSKA, Krzysztof NOWAK, Przemyslaw LAGANOWSKI, Marcin DOMZALSKI (POLAND)
- 16:08 Comparative study assessing sporting ability after arthrodesis and cartiva hemiarthroplasty for treatment of hallux rigidus
Ahmed ALJAWADI, Bernardo BRANDAO, Anna FOX, Anand PILLAI (UNITED KINGDOM)
- 16:16 The influence of calcaneal and first ray osteotomies on the contact pressures of the ankle joint
**Cesar DE CESAR NETTO¹, Danilo RYUKO NISHIKAWA², Niall SMYTH¹, Nicholas CASSCELLS¹, Stuart MICHNICK¹, Tao XU¹, Pooyan ABASSI¹, Brent PARKS¹, Stuart MILLER¹
¹(UNITED STATES), ²(BRAZIL)**

- 16:24 High incidence of spring ligament failure in ankle fractures with complete deltoid ruptures: a previously missed entity leading to rapid destabilisation of the first ray and symptomatic adult flat foot
Ahmad Mahmoud El-Sayed ALI, Chandra PASAPULA, Biju KILIYANPILAKKIL (UNITED KINGDOM)
- 16:32 The Mearys angle: can it be used to determine the type of surgery for hallux valgus, a comparison between lapidus technique and scarf osteotomy in patients with a high Mearys angle
Terin THOMAS, Peter SKELLHORN, Jordi BALLESTER (UNITED KINGDOM)
- 16:40 Use of an inflatable intramedullary nail for fixation of unstable ankle fractures in frail elderly patients
Langhit KURAR (UNITED KINGDOM)
- 16:48 Topical review: fibular nail fixation
Henrik BAECKER¹, J Turner VOSSELLER²
¹(GERMANY), ²(UNITED STATES)
- 16:56 Achilles tendon elongation after functional management of acute ruptures
Tareq TAREEF, Javed SALIM, Daniel BRUNTON, Emer RICHARDSON, Viren MISHRA (UNITED KINGDOM)
- 17:04 Outcome of talocalcaneal coalition resection assisted with intra-operative navigation
Mihir THACKER, Carlos PARGAS, Kenneth ROGERS, Reid NICHOLS, Adolfo SANTANA (UNITED STATES)

Research | Thursday, 5 December | Grand Ballroom Hall C3

08:00 - 10:00

Free Paper Session – Research 1

Moderators: Syed Muhammad AWAIS (PAKISTAN), Marc PATTERSON (UNITED KINGDOM)

- 08:00 **Keynote lecture:** Controversies in orthopaedics: why they exist and what to do about them!
Javad PARVIZI (UNITED STATES)
- 08:15 Collagen isoform expression in post-traumatic stiff elbow anterior capsules
Srinath KAMINENI, Mark COHEN (UNITED STATES)
- 08:23 Total joint replacement improves pain, functional quality of life and health utilities in patients with late-stage knee and hip osteoarthritis for up to five years
Audrey NEUPREZ, Arnaud NEUPREZ, Jean-François KAUX, William KURTH, Christophe DANIEL, Thierry THIRION, Jean-Pierre HUSKIN, Philippe GILLET, Olivier BRUYÈRE, Jean-Yves REGINSTER (BELGIUM)
- 08:31 Elbow contracture capsule - histology examination
Srinath KAMINENI, Mark COHEN (UNITED STATES)
- 08:39 The risk of venous thromboembolism after lumbar spine surgery: a population-based cohort study
Hsiang-An LEE, Hao-Wen CHEN, Kuang-Ting YEH, Ho-Ken CHUNG, Yi-Chen LI, Wen-Tien WU, Tzai-Chu YU, Ing-Ho CHEN (TAIWAN)
- 08:47 Sarcopenia in patients with chronic low back ache – a case control study
Rajesh RAJAVELU, Ajay PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJASEKARAN (INDIA)

- 08:55 Evaluating the effectiveness of learning and quality improvement in orthopaedics
Epaminondas VALSAMIS¹, Mohamed SUKEIK²
¹(UNITED KINGDOM), ²(SAUDI ARABIA)
- 09:03 Defining value in orthopaedic surgery: a scoping review
Herman JOHAL, Bhandari MOHIT (CANADA)
- 09:11 Reliability of the EOS imaging system for assessment of the spinal and pelvic alignment in the sagittal plane
Eugene J PARK, Jae-Sung AHN, Kim SANG BUM, Ho-Jin LEE, Seokhwan SONG (SOUTH KOREA)
- 09:19 The symptom and frequency of the patients with multiple myeloma in osteoporotic vertebral body fracture in the elderly
Kengo HIGUCHI, Shinji KUMAMOTO, Hidefumi HONKE, Masaaki MAWATARI (JAPAN)
- 09:27 Targeting mutant TP53 as a potential therapeutic strategy for the treatment of osteosarcoma
Fan TANG, Chongqi TU (CHINA)
- 09:35 In vitro stress effect on degradation and drug release behaviours of basic fibroblast growth factor--poly(lactic-co-glycolic-acid) microsphere
Long CHENG, Hong DUAN (CHINA)

10:30 - 12:00

SICOT Instructional Symposium – Research 1

Moderators: Matthew DOBBS (UNITED STATES), Noppachart LIMPAPHAYOM (THAILAND)

- 10:30 How to conduct clinical research and publish internationally
Khaled EMARA (EGYPT)
- 10:42 Implant retrievals: pros/cons in research
Bertrand BOYER (FRANCE)
- 10:54 The use of internal growth distraction rods
Hamish SIMPSON (UNITED KINGDOM)
- 11:06 AI and big data: gearing up for the research and intelligence of the future in orthopaedics
Vaibhav BAGARIA (INDIA)
- 11:18 Difficulties faced during research and publication by young surgeons especially in developing countries
Nishit PALO (INDIA)
- 11:30 The difficulties which a young specialist may encounter in doing research and how to manage them
Margaret FOK (HONG KONG)
- 11:42 Research ethics/IRB
Mohamed KENAWAY (UNITED KINGDOM)

14:00 - 15:30

Moderators: Matthew DOBBS (UNITED STATES), Noppachart LIMPAPHAYOM (THAILAND)

- 14:00 Stage of innovation from idea to market
Khaled EMARA (EGYPT)
- 14:10 Use of local antibiotics
Hamish SIMPSON (UNITED KINGDOM)
- 14:20 3RD-I: how research, development and innovation are transforming the developing nations
Vaibhav BAGARIA (INDIA)
- 14:30 Importance of data collection and proper ways of taking clinical and radiograph pictures
Nishit PALO (INDIA)
- 14:40 Management of wound infection: the use of negative pressure dressing
Margaret FOK (HONG KONG)
- 14:50 How do registries help answer research questions?
Vikas KHANDUJA (UNITED KINGDOM)
- 15:00 Advancing precision medicine for clubfoot through translational research
Matthew DOBBS (UNITED STATES)
- 15:10 Challenges of clubfoot management in the developing world
Noppachart LIMPAPHAYOM (THAILAND)

16:00 - 17:30

Free Paper Session—Research 2

Moderators: Ruwais Mohsen BINLAKSAR (YEMEN), Lotfi NOUISRI (TUNISIA)

- 16:00 Role of teriparatide in management of osteoporotic intertrochantric femur fractures – a prospective randomised controlled trial
Aman HOODA (INDIA)
- 16:08 Radiomorphological manifestations of the femoral and tibial cortical bone at different stages of limb lengthening
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)
- 16:16 Role of Ganga Hospital Open Injury Severity Score (GHOISS) in prognosticating the functional outcomes in open tibial fractures – a prospective study of 108 cases
Devendra AGRAHARAM, Jayaramaraju DHEENADHAYALAN, Shanmuganathan RAJASEKARAN (INDIA)
- 16:24 Incidence and risk factors associated with post-operative acute kidney injury (AKI) in elective hip & knee joint replacements
Ishtiaq MAHAMUD, Sook Han YEE, Shyam RAJAGOPALAN, Amit KOTECHA (UNITED KINGDOM)
- 16:32 Posterior cruciate ligament resection in total knee arthroplasty: effect on flexion-extension gaps, mediolateral laxity, and fixed flexion deformity
Atif AYUOB, Babar KAYANI, Sujith KONAN, Horriat SAMAN, Haddad FARES (UNITED KINGDOM)
- 16:40 Which tibial nails are stiffer? Regional (India) versus international: a biomechanical study
Munis ASHRAF¹, Senthil Nathan SAMBANDAM²
¹(INDIA), ²(UNITED STATES)
- 16:48 Regulation of WNT signaling expression by microRNAs in patients with cervical ossification of the posterior longitudinal ligament
Takafumi YAYAMA, Kanji MORI, Hideki SAITO, Noriaki OKUMURA, Kosuke KUMAGAI, Kazuya NISHIZAWA, Masahiro KITAGAWA, Shinji IMAI (JAPAN)

- 16:56 Role of Ck-MM in mangled extremity as tissue marker
Rohit KANSAL, Rajendra Kumar KANOJIA, Mandeep Singh DHILLON, Kim VAIPHEI, Vishal KUMAR (INDIA)
- 17:04 Polypeptide co-photo-crosslinked gelatin hydrogel for bone regeneration
Qin SHI, Xingzhi LIU (CHINA)
- 17:12 Experimental study of the impacts of BFGF on decreasing the expression of extracellular inflammatory factors to promote the proliferation and differentiation of chondrocytes
Zhijie MA, Fan YANG, Dewei ZHAO (CHINA)

Knee | Thursday, 5 December | Junior Ballroom A

08:00 - 10:00

Free Paper Session—Knee 1

Moderators: Parag SANCHETI (INDIA), Michael ZIMLITSKI (GEORGIA)

- 08:00 **Keynote lecture:** TKA in severe deformities
Parag SANCHETI (INDIA)
- 08:15 Comparison of functional outcome of medial pivot total knee arthroplasty with posterior stabilising (PS) total knee arthroplasty – a randomised trial
Usman GILL, Khalid Rehman MALIK, Shiraz MALIK, Adnan Latif MALIK, Muhammad Hanif MIAN (PAKISTAN)
- 08:23 Walk the line – orientating the tibial component along the anatomical tibial axis may result in patellofemoral problems following total knee replacement
Peadar Antaine MAC SUIBHNE, Muthu GANAPATHI (UNITED KINGDOM)
- 08:31 Comparing radiographic outcomes of robotic total knee replacement to manual instrumentation
Zachary POST, Andres DUQUE, Luis GRAU, Alvin ONG, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Fabio OROZCO (UNITED STATES)
- 08:39 Metal allergy and total knee arthroplasty: a call for global consensus
Tarek BOUTEFNOUCHET, Mamdouh HEFNY, Karl BELL (UNITED KINGDOM)
- 08:47 All types of component malrotation affect the early patient-reported outcome measures after total knee arthroplasty
Amr MOHAMMED, Mohammad ABDELNASSER, Mohamed ELSHERIF, Hatem BAKR, Mohamed MAHRAN, Yaser KHALIFA (EGYPT)
- 08:55 Anterior versus posterior referencing in the measurement of posterior condyle offset ratio for total knee arthroplasty
Musheer Hussain MOHAMED¹, Abhishek Vadiraj SHETTY², Imthiaz AHAMED²
¹(UNITED KINGDOM), ²(INDIA)
- 09:03 Kinematically aligned cruciate-retaining total knee arthroplasty: comparison of two types of prosthesis design
Yoshinori TAKASHIMA, Koji TAKAYAMA, Tomoyuki MATSUMOTO, Tomoyuki KAMENAGA, Masanori TSUBOSAKA, Yuichi KURODA, Shingo HASHIMOTO, Shinya HAYASHI, Ryosuke KURODA (JAPAN)
- 09:11 Clinical and radiographic outcomes: novel cementless metal backed patella design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Alvin ONG (UNITED STATES)

- 09:19 Pie-crusting of proximal medial collateral ligament for varus deformity in knee arthroplasty
Tarun GOYAL, Arghya K CHOUDHURY, Souvik PAUL (INDIA)
- 09:27 Early outcomes of the Attune total knee arthroplasty in a non-designer series of 436 knees
Akash SARAOGI¹, Naveen LOKIKERE², Tim BOARD², George PAVLOU², Anil GAMBHIR²
¹(INDIA), ²(UNITED KINGDOM)
- 09:35 Navigation improves the survival rate of mobile bearing total knee arthroplasty in severe pre-operative coronal deformity
Dominique SARAGAGLIA¹, Jean Yves JENNY², Brice RUBENS-DUVAL²
¹(GERMANY), ²(FRANCE)
- 09:43 Clinical and radiographic outcomes of modern cementless total knee design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Alvin ONG (UNITED STATES)
- 09:51 Influence of posterior tibial slope on functional outcome after cruciate retaining total knee arthroplasty
Romit AGRAWAL, Vijay SINGH, Ayush SHARMA, Nilesh MANGALE, Jeet SAVLA, Priyank DEEPAK, Shorabh SINHA, Ajay JAISWAL (INDIA)
- 09:59 Severe fixed valgus deformity in TKR: is it possible to save the ligaments? Surgical technique and video results
Fabio CONTEDEUCA, Ferdinando IANNOTTI, Valerio ANDREOZZI, Raffaele IORIO, Daniele MAZZA, Andrea FERRETTI (ITALY)

10:30 - 12:00

SICOT Instructional Symposium—Fractures around Knee Arthroplasty

Moderator: Francesco FALEZ (ITALY)

- 10:30 Management of intra-operative fractures in total knee arthroplasty
Miroslav HASPL (CROATIA)
- 10:38 Does notching of the anterior cortex predispose to periprosthetic fracture?
Shekhar AGGARWAL (INDIA)
- 10:46 Classification of periprosthetic fractures
Parag SANCHETI (INDIA)
- 10:54 Management of fracture patella in total knee arthroplasty
Jacques CATON (FRANCE)
- 11:02 Role of cones and sleeves in periprosthetic fractures
Ashok RAJGOPAL (INDIA)
- 11:10 Extensor tendon disruptions in total knee arthroplasty
Vivek DAHIYA (INDIA)
- 11:18 Osteolysis in total knee arthroplasty: aetiology and management
Fatih KUCUKDURMAZ (TURKEY)
- 11:26 Stems and augments in management of periprosthetic fractures
Phillipe HERNIGOUE (FRANCE)
- 11:34 Exposure options for periprosthetic fractures
Parag SANCHETI (INDIA)
- 11:42 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Computer-Assisted Orthopaedic Surgery

Moderator: Ajeya ADHIKARI (UNITED KINGDOM)

- 14:00 The evolution of robotics in arthroplasty
Ajeya ADHIKARI (UNITED KINGDOM)
- 14:08 Early results of a handheld robot in UKR
Alberto GREGORI (UNITED KINGDOM)
- 14:18 Robotic arm guided arthroplasty – setting the stage
Fares HADDAD (UNITED KINGDOM)
- 14:33 Robotics and enhanced recovery – a myth?
Bobby ANAND (UNITED KINGDOM)
- 14:43 Navigation in hip arthroplasty
Djordje LAZOVIC (GERMANY)
- 14:53 Learning curve, ethics and guidelines – robotic hip replacement
Jon CONROY (UNITED KINGDOM)
- 15:08 The age of customisation – what does it take?
Maximilian RUDERT (GERMANY)
- 15:18 Discussion

16:00 - 17:30

Free Paper Session—Knee 2

Moderators: Miroslav HASPL (CROATIA), Gholamali AKASHE (IRAN)

- 16:00 What are the risk factors for failure after one-stage exchange for periprosthetic joint infection of the knee?
Mustafa CITAK, Hussein ABDELAZIZ, Eduardo SUERO, Jasmin FRIEDENSTAB, Akos ZAHAR, Thorsten GEHRKE (GERMANY)
- 16:08 Clinical and radiographic outcomes of novel highly porous cone design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Alvin ONG (UNITED STATES)
- 16:16 Complications related to the use of spacers in revision knee arthroplasty: a single center retrospective study
Musheer Hussain MOHAMED, Anjan Venkataraman KRISHNAMURTHY (UNITED KINGDOM)
- 16:24 Rotating hinge knee versus constrained condylar knee in revision total knee arthroplasty: a meta-analysis
Jung-Ro YOON, Seung Hoon LEE, Sh YANG (SOUTH KOREA)
- 16:32 The role of pre-operative inflammatory markers in predicting postoperative infection in patients undergoing total knee arthroplasty
Ebrahim YUSUF, Mohamed ALSAIF, Asma ALQASEER, Mohamed HUSAIN (BAHRAIN)
- 16:40 Early results of using individual titanium augments for revision knee arthroplasty
Yaroslav RUKIN, Alexey LYCHAGIN, Valeriy MURYLEV, Andrej GRITSUK, Pavel ELIZAROV, Andrej GARKAVI (RUSSIA)
- 16:48 Continued pain following total knee arthroplasty: diagnostic algorithm and management options
Basil Ugochukwu IWUNZE, Nikolai Vasilyevich ZAGORODNIY, Sergey Vladimirovich KAGRAMANOV, Georgy Yurevich BORISKOVA (RUSSIA)
- 16:56 Outcomes of revision knee replacement using total stabilising prosthesis
Abdelaleem RAGAB, Waleed AKEEL, Mohamed ABDALLAH, Mamdouh ELBANNAN, Islam MUBARK, Ahmed NAGI, Ian MACKIE, Daniel PARFITT (UNITED KINGDOM)

- 17:04 Knee flexion deformity after total knee arthroplasty: a surgical approach, indication and results
René VERDONK, Aad DHOLLANDER, Peter VERDONK, Theofylaktos KYRIAKIDIS (BELGIUM)
- 17:12 Debridement, antibiotics and implant retention; are there any predictive clinical markers for implant retention success?
Lauren THOMSON, Abdul BAIG, Helena WHITE, Tawfiq KORIM (UNITED KINGDOM)
- 17:20 Revision knee surgery for aseptic loosening and continued pain: is metal hypersensitivity real?
Rishi THAKRAL, Kshitij Kumar AGRAWAL (UNITED STATES)
- 17:28 The DAIRV (debridement, antibiotic beads and vac dressing) with retention of implant and IV antibiotic for infected TKR
Ahmed AL RASHDI, Salim AL-BUSAIDI (OMAN)

Spine | Thursday, 5 December | Junior Ballroom B

08:00 - 10:00

Free Paper Session—Spine 1

Moderators: Abdullah ALOTHMAN (SAUDI ARABIA), Rohit AMRITANAND (INDIA)

- 08:00 **Keynote lecture:** Global spine surgery: challenges and innovation in underserved regions - FOCOS paradigm
Oheneba BOACHIE-ADJEI (UNITED STATES)
- 08:15 Does preventive care bundle have an impact on surgical site infections following spine surgery? An analysis of 9607 patients
Sri Vijay Anand KS, Rajdeep BAGGA, Ajoy SHETTY, Rishi Mugesh Kanna P, Shanmuganathan RAJASEKARAN (INDIA)
- 08:23 The effect of intradiscal vancomycin powder in the prevention of postoperative discitis RCT study
Reda Ali SHETA (EGYPT)
- 08:31 Strategies for reduction of surgical site infection (SSI) in low risk adolescent idiopathic scoliosis surgery: experience from tertiary level paediatric center
Karadi Hari Sunil KUMAR, Sandeshkumar LAKKOL, Athar SIDDIQUI, Ramesh NADARAJAH, Broomfield EDEL, Stewart TUCKER, Tom EMBER, Mark HARRIS (UNITED KINGDOM)
- 08:39 Outcome analysis of anterior reconstruction with rib grafts in tuberculosis of the thoracic spine
Aditya RAJ, Sudhir SRIVASTAVA, Sunil BHOSALE, Nandan MARATHE (INDIA)
- 08:47 Clinical efficacy and feasibility of one-stage combined posterolateral and anterolateral decompression, for thoraco-lumbar tuberculosis using pedicle screw instrumentation and global fusion via a posterior-only approach
Dheeraj BATHEJA (UNITED KINGDOM)
- 08:55 Classification and management algorithm for post-operative infections following transforaminal lumbar interbody fusion
Renjith KARUKAYIL (INDIA)
- 09:03 Evaluation of healing of lesion in tuberculosis (TB) spine by contrast MRI and 18-FDG PET/CT scan
Samarth MITTAL, Anil Kumar JAIN (INDIA)
- 09:11 Spinal infections: experience at a spinal unit
Selver KARIM, Zelad ALSHAMEERI, Azeem THAHIR, Saajid KALEEL (UNITED KINGDOM)
- 09:19 To evaluate role of imprint cytology as an early diagnostic modality compared to histopathology in vertebral lesions
Dheeraj BATHEJA (UNITED KINGDOM)

- 09:27 The treatment of dural tears in the literature: drowning in information but thirsty for a clear message
Munna AL-NAJJIM, Zelad ALSHAMEERI, Ahmed ELMUBARAK, Ed KIM, V JASANI (UNITED KINGDOM)

10:30 - 12:00

SICOT Instructional Symposium—Spinal Cord Injury and Rehabilitation

Moderators: Evalina BURGER (UNITED STATES), John DORMANS (UNITED STATES)

- 10:30 Latest on surgery indications and timing
Jong-Beom PARK (SOUTH KOREA)
- 10:42 Surgical approaches and procedures for spinal cord injury including OPLL
Yasutsugu YUKAWA (JAPAN)
- 10:54 Latest on injury treatment advances: stem cell, steroids, etc
Dong-Gune CHANG (SOUTH KOREA)
- 11:06 Management strategies in tuberculous paraplegia
Rohit AMRITANAND (INDIA)
- 11:18 Functional outcomes and expectations after SCI
Ahmed AL JAHWARI (OMAN)
- 11:30 Rehabilitation considerations: tendon transfer for management of upper and lower extremity weakness after SCI
Scott LAKER (UNITED STATES)
- 11:42 Updates on exoskeleton usage for SCI patients
Scott LAKER (UNITED STATES)
- 11:54 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Endoscopic Discectomy

Moderators: Jong-Beom PARK (SOUTH KOREA), Lin CONG (CHINA)

- 14:00 Literature review and history
Pradyumna PAI (INDIA)
- 14:12 Standard pathologies that can be treated
Si Young PARK (SOUTH KOREA)
- 14:24 Complications of endoscopic discectomy and prevention
Arvind BHAVE (INDIA)
- 14:36 270 degree decompression of the nerve root in dealing with lumbar lateral recess stenosis in PELD
Palanikumar CHELLAMUTHU (INDIA)
- 14:48 Bi(two)portal posterior cervical foraminotomy and discectomy by using 30 degrees arthroscope
Seok-Bong JUNG (SOUTH KOREA)
- 15:00 Advanced technologies/pathologies: pushing the limits
Seung Deok SUN (SOUTH KOREA)
- 15:12 Discussion

16:00 - 17:30

Free Paper Session—Spine 2

Moderators: Mourad HAMIDANI (ALGERIA), Fred OTSYENO (KENYA)

- 16:00 Functional and radiological outcome of early mobilisation in unstable AO type A thoracolumbar fractures without neurological deficit
Sanjeev KUMAR (INDIA)
- 16:08 Management protocol and outcome of acute cervical dislocations
Aditya DAHAPUTE, Nandan MARATHE (INDIA)
- 16:16 Unstable Hangman's fracture – do anterior surgeries offer better outcomes?
Keerthivasan PANNEERSELVAM, Shanmuganathan RAJASEKARAN, Ajoy SHETTY, Rishi Mugesh Kanna P (INDIA)
- 16:24 Functional outcome and safety of expansion duroplasty in acute traumatic spinal cord injury
Shahid ALI, Jawad SALEEM, Noman AHMED, Atiq DURRANI (PAKISTAN)
- 16:32 Unstable thoracolumbar burst fractures: short segment including fracture vertebrae versus long segment fixation
Syed Shahidul ISLAM (BANGLADESH)
- 16:40 Is fusion mandatory for thoracolumbar burst fracture treated with posterior spinal instrumentation?
Sharif Ahmed JONAYED, M Shah ALAM, Shubhendu CHAKRABORTY (BANGLADESH)
- 16:48 The impact of the doctor-helicopter transportation and closed reduction technique for immediate reduction of cervical spine dislocation
Deokcheol LEE, Keisuke KAWANO, Shotaro ISHIDA, Takuya NAGAI, Kiyoshi HIGA, Shuji KUROGI, Hideaki HAMANAKA, Etsuo CHOSA (JAPAN)
- 16:56 The impact of surgical correction on functional outcome in thoracolumbar burst fractures: a systematic review and meta-analysis
M Ali ALHABASH¹, Abduljabbar ALHAMMOUD¹, Waleed ASAAD¹, Ahmed Khalil ATTIA¹, Osama ALDAHAMSHEH¹, Fadi BOURI¹, Abdul Moeen BACO¹, Salahuddin ABDELSALAM¹, Kenan ALKHALILI²
¹(QATAR), ²(UNITED STATES)
- 17:04 Analysis and outcome of traumatic thoracolumbar fractures in tertiary level spine centre
Manohar TH MANOHAR (INDIA)
- 17:12 Oblique lumbar interbody fusion combined with minimally invasive percutaneous posterior instrumentation for adult spinal deformity
Kenji FUKAYA (JAPAN)
- 17:20 Spinopelvic dissociation in patients suffering injuries from airborne sports
Henrik BAECKER¹, Chia WU², J Turner VOSSELLER², Lorin BENNEKER³, Fabian KRAUSE³, Christoph ALBERS³
¹(GERMANY), ²(UNITED STATES), ³(SWITZERLAND)

Short Free Papers | Thursday, 5 December | Meeting Room 8

08:00 - 10:00

Short Free Paper Session—Hip

Moderators: Bassel EL-OSTA (LEBANON), Mohamed SUKEIK (SAUDI ARABIA)

- 08:00 A retrospective study to compare the results of short versus long cephalomedullary proximal femoral nail (PFN) for trochanteric region femoral fractures in elderly patients with minimum 2 years follow-up
Mohit JAIN¹, Dhavalkumar PATEL¹, Slava BRADKO², Ashish BRAMBHATT³, Elsayed ATTIA³, Saral PATEL¹
¹(INDIA), ²(BELARUS), ³(UNITED STATES)
- 08:05 Intramedullary nail (IMN) and sliding hip screw (SHS) for multifragmentary trochanteric fractures type AO/OTA 31-A2: revision and mortality of total 650 cases
Franz MUELLER, Matthias DOBLINGER, Bernd FUECHTMEIER (GERMANY)
- 08:10 Temporal subsidence rates with the C-stem cemented triple-tapered polished stem: a 13 to 18 year follow-up study
David SOCHART (UNITED KINGDOM)
- 08:15 Influence of orthogeriatric input aided by a specialist nurse in outcome of patients with fractured neck of femur in a district general hospital
Sandeep KOHLI, Akshdeep BAWA (UNITED KINGDOM)
- 08:20 Total hip replacement with the C-stem polished triple-tapered implant: 13 to 18-year follow-up study
David SOCHART (UNITED KINGDOM)
- 08:25 A short stem for total hip arthroplasty: why? Results after 3 years with a short curved tissue and neck sparing implant
Guillaume VENET¹, Nicolas FRAQUET¹, Declan BRAZIL², Timothy MCTIGHE³
¹(FRANCE), ²(AUSTRALIA), ³(UNITED STATES)
- 08:30 Sagittal alignment of short-tapered compared to standard tapered femoral stem
Abdulrahman ALGARNI (SAUDI ARABIA)
- 08:35 Dual mobility cups for prevention of early total hip arthroplasty dislocation in patients with failed proximal femoral fracture fixation
Haytham ABDELAZIM (EGYPT)
- 08:40 Acetabular revision with large bony defects using jumbo cups
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 08:45 Different bearings on each side have different incidence of infection during an observation period of 35 years in patients with bilateral total hip arthroplasties
Phillipe HERNIGOU, Charles Henri FLOUZAT LACHANLETTE (FRANCE)
- 08:50 Participation in sports activities after total hip arthroplasty using a minimally invasive anterolateral-supine approach
Yoshiki TAKAHASHI, Naonobu TAKAHIRA, Katsufumi UCHIYAMA, Kensuke FUKUSHIMA, Mitsutoshi MORIYA, Manaka SHIBUYA, Kouji TSUDA, Kiyoshi TOZAKI, Kenta SAKAI, Sho KUDO, Hiroaki KANEDA, Junya SEKITA (JAPAN)
- 08:55 Influence of implant characteristics on survival of a cemented stem
Ola ROLFSON, Raed ITAYEM, Johan KÄRRHOLM (SWEDEN)
- 09:00 Old unreduced total hip arthroplasty, treatment and results
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Babak MOLANAEI, Mohamad javad ZEHTAB (IRAN)
- 09:05 Total hip arthroplasty for complex primary hips
Nirmal DEY, Sanjay KESHKAR, Bhaskar SEN, Ajay GOYAL (INDIA)
- 09:10 Indications and results of conversion of girdle-stone to total hip arthroplasty
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Siavash MOLANAEI (IRAN)
- 09:15 Prevalence of adverse reaction to metal debris following the 28-mm Metasul metal-on-metal total hip arthroplasty: minimum 15-year follow-up
Tsunehito ISHIDA, Toshiyuki TATEIWA, Takaaki SHISHIDO, Toshinori MASAOA, Yohei NISHIKAWA, Yasuhiro TAKAHASHI, Kengo YAMAMOTO (JAPAN)
- 09:20 Midterm results of trabecular metal augments combined with cemented cups in reconstruction of acetabular defects
Ahmed EBIED, Ayman EBIED (EGYPT)

- 09:25 Deteriorating results of the Opera cemented acetabular component beyond 10 years: a 13- to 18-year follow-up study
David SOCHART (UNITED KINGDOM)
- 09:30 Financial analysis of revision hip arthroplasty
Srecko SABALIC, Slaven BABIC, Dejan BLAZEVIC, Tomislav CENGIC, Lea KALAJZIC, Stjepan CURIC (CROATIA)
- 09:35 Functional outcome of two-staged total hip replacement for long standing girdlestone excision arthroplasty
Ibrahim Abolaji ALABI, Solludeen Adebayo AROJURAYE, Ndubulsi OKOH (NIGERIA)
- 09:40 Possibilities of joint preserving surgery in adolescents in the developing dysplastic coxarthrosis
Mikhail TEPLENKIY (RUSSIA)
- 09:45 Extra medullary fixation in unstable trochanteric/subtrochanteric fracture by PF-LCP (pre contoured proximal femoral plate)
Krishna Kumar MITTAL (INDIA)
- 09:50 Osteoporosis and total hip arthroplasty: results of a survey about orthopaedic surgeons attitudes
Nadhir MERAGHNI, Mohamed DERRADJI, Abderrezak CHOUITI, Riad BENKAIDALI, Rachid NEMMAR, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 09:55 Debridement, antibiotics and implant retention (DAIR) following total hip and knee replacements in a district general hospital
Kodali Siva Rama Krishna PRASAD, Salim PUNJABI, Chanaka SILVA, Stephen SARASIN, Peter LEWIS (UNITED KINGDOM)

10:30 - 12:00

Short Free Paper Session—Sports Medicine 1

Moderator: Jihad Hajj IBRAHIM (SYRIA), Teo Seow HUI (MALAYSIA)

- 10:30 One stage ligament reconstruction in multi-ligament knee injury
Abolfazl BAGHERIFARD, Mahmud JABALAMELI, Hooman YAHYAZADEH, Salman GHAFARI, Mehdi MOHAMMADPOUR, Majid ABEDI, Jafar REZAZADEH, Masoud MIRKAZEMI (IRAN)
- 10:35 Improving quality of care of ACL surgery as day care procedure review of 250 cases from Oman
Ahmed ALHADEETHI, Arun KARIYAL, Ali Jassim ALMAS, Ahmed ATTIA (QATAR)
- 10:40 Multiligament knee injury, Oman experience
Suwaillim AL GHANAMI, Ismail AL HABSII, Arafat ALFIKEY (OMAN)
- 10:45 Arthroscopic partial scapulectomy for the treatment of snapping scapula
Rumina BEGUM, Emmet GRIFFITH, Nawfal AL-HADITHY, Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)
- 10:50 A novel biceps incorporation technique for arthroscopic repair of massive rotator cuff tears
Patrick HENRY, Aaron NAUTH, William REGAN (CANADA)
- 10:55 Outcomes of hip arthroplasty in patients with chronic renal failure on dialysis
Sangmin LEE (SOUTH KOREA)
- 11:00 Evaluation of ligamentisation of the patellar tendon graft 21 years following anterior cruciate ligament reconstruction
Gunjar JAIN, Hira Lal NAG, Sandeep Kumar KANUGULA, Shubhankar SHEKHAR (INDIA)
- 11:05 Accuracy of tibial tunnel and femoral tunnel placement in arthroscopic anterior cruciate ligament reconstruction in patients more than 40 years and its correlation with functional outcome
Sunil KRISHNAMURTHY (INDIA)

- 11:10 Knee muscle strength following ACL reconstruction using hamstring tendon autograft – a quantitative analysis using force gauge
Srikanth KANCHANA PALA, Deepak RANGASWAMY (INDIA)
- 11:15 Proximal tibiofibular joint instability in multiligamentous knee injury
Bushu HARNA, Dhananjaya SABAT (INDIA)
- 11:20 Arthroscopic surgery versus conservative treatment for avulsion fractures at the tibial attachment of posterior cruciate ligament
Ryuichiro AKAGI, Yuta MURAMATSU, Takahiro ENOMOTO, Shotaro WATANABE, Yoshimasa ONO, Aya SADAMASU, Yuya OGAWA, Seiji KIMURA, Satoshi YAMAGUCHI, Seiji OHTORI, Takahisa SASHO (JAPAN)
- 11:25 Multi-ligament injured knee role for biceps femoris re-routing in postero-lateral corner reconstruction
Amr KANDEEL (EGYPT)
- 11:30 Does timing from anterior cruciate ligament (ACL) injury to surgery affect the outcome of arthroscopic ACL reconstruction? A prospective short-term outcome study
Madhusa JAYASEKARA, Dilshan MUNIDASA (SRI LANKA)
- 11:35 Failure rate of 5-strand and 6-strand hamstring autograft ACL reconstruction
Ahmed ATTIA, Hazem NASEF, Kareem ELSWEIFY, Faris ABUSHABAN, Kariyal ARUN (QATAR)
- 11:40 Conventional digital tomography as an initial diagnostic screening modality in the investigation of sternoclavicular joint pathology
Rumina BEGUM, Nawfal AL-HADITHY, Lee VAN RENSBURG, Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)
- 11:45 Arthroscopic transosseous rotator cuff repair
Mustafa MESRIGA, Bhaa EL SERWI, Ayman EBEID, Adel EL SEEDI, Amro SABER (EGYPT)
- 11:50 Acute acromioclavicular dislocations treatment meta-analysis on recent procedures where are we going?
Luis LUIS PIRES, Carlos MAIA, Andre BARROS, Raul ALONSO, Eduardo CARPINTEIRO (PORTUGAL)
- 11:55 The predictors of core decompression success in patients with AVN
Seyed Mohammad Javad MORTAZAVI, Mehdi KARIMI (IRAN)
- 12:00 Comparative study between arthroscopic release of SREC only versus arthroscopic release and drilling of lateral epicondyle as treatment for chronic lateral epicondylitis (Tennis Elbow)
Ahmad Ibraheem Addosooki Mohammad ABDELRAHEEM, Abdelrahman HAFEZ, Mohamed ELJEZAWY, Ahmed TARIK (EGYPT)

14:00 - 15:30

Short Free Paper Session—Shoulder & Elbow

Moderators: Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

- 14:00 Clavicular tuberculosis: a neglected differential of shoulder pain
Jatin PRAKASH (INDIA)
- 14:05 Swimmer's Shoulder prevalence among young competitive swimmers in Hungary
Lehel BALINT (HUNGARY)
- 14:10 Improved functional outcome by proximal humeral fracture treated by PHILOS and PMMA augmentation
Stoyan HRISTOV (BULGARIA)
- 14:15 Modified technique for coracoacromial ligament transfer in fresh acromioclavicular joint dislocation
Thejaswi SHANTHAKUMAR GAYATHRI (INDIA)
- 14:20 Figure of eight repair of acromio-clavicular joint using palmaris longus tendon graft: a new surgical technique
Sadiq MOHAMMED, Nayeemuddin MOHAMMED (INDIA)

- 14:25 Severe glenoid bone loss during total shoulder arthroplasty: is bone grafting still an option?
Devdatta Suhas NEOGI¹, Rye YAP², Andreas FONTALIS², Madhavan MADHAVAN PAPANNA², Daniel MORRELL², David THYAGARAJAN²
¹(INDIA), ²(UNITED KINGDOM)
- 14:30 Mesh-plasty as a shoulder stabilisation technique following hemiarthroplasty of shoulder
Dibya Singha DAS, Satya Ranjan PATRA, Manoj MADINI, Naresh Kumar PANIGRAHI, Indranil DEY, Udit UPADHYAYA, Siddhartha Shankar MOHANTY, Hemanta Kumar BAMIDI (INDIA)
- 14:35 Results of Copeland shoulder resurfacing arthroplasty in sickle cell patients with humeral head avascular necrosis
Ayman AL AMRI, Ahmed AL HADITHY, Sultan AL MASKARI (OMAN)
- 14:40 Tilt angles of the bipolar radial head prosthesis correlate with radiocapitellar instability
Jungyu MOON, Hee-Dong LEE, An-Sung JANG (SOUTH KOREA)
- 14:45 Short term outcomes of reverse shoulder arthroplasty (RSA): does the functional outcome differ among the indications for surgery?
Siddhartha GUPTA¹, Arpit JARIWALA²
¹(INDIA), ²(UNITED KINGDOM)
- 14:50 Bone allograft reconstruction in shoulder and elbow surgery
Devdatta Suhas NEOGI¹, Maulik GANDHI², Alistair EYRE-BROOK², Hassan SHEIKH², David THYAGARAJAN²
¹(INDIA), ²(UNITED KINGDOM)
- 14:55 Metal back glenoid anatomical total shoulder replacement: a single surgeon series with mean three-year follow-up
Devdatta Suhas NEOGI¹, Maulik GANDHI², Alistair EYRE-BROOK², Hassan SHEIKH², Andreas FONTALIS², David THYAGARAJAN²
¹(INDIA), ²(UNITED KINGDOM)
- 15:00 Clinical and radiological short-term results of stemless shoulder arthroplasty
Yongjin PARK, Young-Rok SHIN, Myung-Sun KIM (SOUTH KOREA)
- 15:05 Results of 59 consecutive arrow anatomical total shoulder replacement for primary osteoarthritis – a single surgeon series
Ravi PANDIT, Mohammed ALMUSTAFA (UNITED KINGDOM)
- 15:10 Shoulder arthroplasty: the Wolverhampton Royal experience
Michael WEEKES, Manpreet SIDHU, Madeline BICKLEY, Malik SHAHBAZ, Timothy MCBRIDE (UNITED KINGDOM)
- 15:15 Arthroscopic extra-articular tenodesis of the long head of the biceps tendon: a case study assessing single anterolateral portal technique
George EL RASSI (LEBANON)
- 15:20 Superior shoulder suspensory complex disruption
John George Grace MASSOUD¹, Tarek Mohamed Samy NOUR EL DEEN², Mohamed Fawzy Mohamed KHATTAB²
¹(OMAN), ²(EGYPT)
- 15:25 Surgical treatment of fractures of the upper end of the humerus
Mohamed Amine EL HALEMI (MOROCCO)

16:00 - 17:30

Short Free Paper Session—Knee 1

Moderators: Nasser ALSUBAI (QATAR), Matthew MORREY (UNITED STATES)

- 16:00 Use of the ideal framework to guide safe introductions of novel innovations in knee surgery: TOKA® - a patient specific 3D printed system for high tibial osteotomy
Johnny MATHEWS, Alisdair MACLEOD, Alberto CASANATO, Vipul MANDALIA, Andrew TOMS, Richie GILL (UNITED KINGDOM)

- 16:05 Top 10 research priorities for problematic knee replacements: a priority setting partnership led by the British Association for Surgery of the Knee (BASK) and the James Lind Alliance (JLA)
Johnny MATHEWS, Andrew TOMS, Revlison Knee Replacement Priority Setting Partnership (UNITED KINGDOM)
- 16:10 Comparative analysis of accuracy of patellar index measurements using multiplanar MRI scan
John EDWIN, Carol PHILLIPS, Roy POWELL, Vipul MANDALIA (UNITED KINGDOM)
- 16:15 Functional computer diagnostics of the knee endoprosthesis loosening
Yaroslav RUKIN, Vera BACHVALOVA, Valeriy MURYLEV, Alexey LYCHAGIN, Grigoriy ZACHAROV (RUSSIA)
- 16:20 Popliteal artery thrombosis – post TKR – series of cases
Nithin SUNKU (INDIA)
- 16:25 Measures to reduce infection rate in knee and hip arthroplasty
Ahmed Yousry SABER¹, Essam ZAHER², Ashraf TAHER²
¹(UNITED KINGDOM), ²(KUWAIT)
- 16:30 Comparison of UKA and HTO in medial knee OA by Forgotten Joint Score 12
Shotaro WATANABE, Ryuichiro AKAGI, Yoshimasa ONO, Yuya OGAWA, Aya SADAMASU, Seiji KIMURA, Satoshi YAMAGUCHI, Seji OHTORI, Takahisa SASHO (JAPAN)
- 16:35 Oncological lower limb salvage with use of megaprotheses for tumours around the knee: 10-year experience at National Institute of Rehabilitation Medicine, Islamabad, Pakistan
Faridullah KHAN (PAKISTAN)
- 16:40 Effect of pre-operative serum vitamin-D levels on post operative outcome in total knee arthroplasty
Junaid KHAN, Riaz AHMED (PAKISTAN)
- 16:45 A study on knee anthropometry in Indian population and its comparison with other ethnic groups and current TKA implants – a CT based study
Ratnakar VECHAM, Guravareddy ANNAPAREDDY, Sukesh Rao SANKINEANI (INDIA)
- 16:50 Total knee replacement and experience from Afghanistan
Emal WARDAK (AFGHANISTAN)
- 16:55 Does a 24-hour post-operative intra-articular local anaesthetic infusion affect patient length of stay or Oxford Knee Score following enhanced recovery primary total knee arthroplasty?
Shoalb IQBAL, Sameer KHAN, Richard HOLLEYMAN, Mike REED (UNITED KINGDOM)
- 17:00 Genu recurvatum following primary total knee arthroplasty: a potential indication for isolated polyethylene exchange
Seyed Mohammad Javad MORTAZAVI, Ali OKATI, Ehsan GHADIMI (IRAN)
- 17:05 Total knee replacement surgery in patients with varus recurvatum deformity – challenges and early results
Raviprakash YOLAROTTI, Chikkamuniyappa CHANDRASEKAR (INDIA)
- 17:10 12-year outcome and survivorship analysis of hip and knee replacement based on the Egyptian Community Arthroplasty Registry
Mahmoud Abdel HAFEZ, Nada IBRAHIM (EGYPT)
- 17:15 Does total knee arthroplasty reduce fall risk?
William HODGE, Estefania MEZA, Mathew ADAMS, Claire HONEYCUTT (UNITED STATES)
- 17:20 Role of tranexamic acid in knee arthroplasty: topical vs oral
Rakesh GUPTA (INDIA)

Trauma / Young Surgeons Committee | Thursday, 5 December | Meeting Room 9

08:00 - 10:00

Short Free Paper Session – Trauma 1

Moderators: Amjad HOSSAIN (BANGLADESH), Nasser ALSUBAI (QATAR)

- 08:00 A modified Masquelet technique for the forearm infected segmental bone loss
Ahmad ALLAM (EGYPT)
- 08:05 Evaluation of functional outcome and histological features of induced membrane in patients managed with Masquelet technique
Anupam GUPTA, Vivek TRIKHA, HI NAG, Arulselvi JAYAKUMAR (INDIA)
- 08:10 Outcome of non vascularised autologous fibula graft in treatment of gap non-union: a case series
Eknath PAWAR, Vipul SHET, Amit YADAV, Nadir SHAH, Ayush SINGH, Naved ANSARI (INDIA)
- 08:15 Limb salvage in late presenting vascular injuries: how late is really late? A prospective 12-case experience
Shambhu SINGH, Sibasish METIA (INDIA)
- 08:20 Running versus interrupted allgower suture technique in ankle fracture surgery: a randomised controlled trial assessing peri-incisional perfusion using intra-operative angiography in 26 ankle fracture patients
Sorawut THAMYONGKIT, Babar SHAFIQ, Kitchai LUKSAMEEARUNOTHAI, Erik HASENBOEHLER (UNITED STATES)
- 08:25 Reuniting ununited post nailing aseptic diaphyseal fracture femur/tibia by augmentation plating
Krishna Kumar MITTAL (INDIA)
- 08:30 Colchester Hospital audit on orthopaedic post-operative notes
Muhammed MOHAMED YASEEN, Shuaib NOOR (UNITED KINGDOM)
- 08:35 Colchester Hospital audit of orthopaedic surgical-site marking
Shuaib NOOR (UNITED KINGDOM)
- 08:40 Role of sign in improving rural orthopaedic trauma care
Bhaskar PANT, Mandeep PATHAK (NEPAL)
- 08:45 Role of ultrasound in detection of radiolucent foreign bodies in extremities
Qazi Mana'an MASOOD, Mehraj TANTRAY (INDIA)
- 08:50 Audit of compartment syndrome in a district general hospital
Amr ABOUELELA, Michiel SIMONS, Eslam AHMED, Andrew MCMURTRIE (UNITED KINGDOM)
- 08:55 Management of complex diaphyseal humerus non-unions with autologous intramedullary fibular strut grafting and locked plating
Deepak KAKI, Karan SHETTY (INDIA)
- 09:00 The impact of malnutrition on surgical site complications in orthopaedic trauma patients with femoral shaft fractures
Boris ZELLE, Trevor BOUCK, Nikhil GUPTA, Khang DANG, Samuel ORNELL, Ryan EGBERT (UNITED STATES)
- 09:05 Total elbow replacements – 10-year follow-up
Azeem THAHIR, Satyanaryana ANNAPUREDDY, Shuaib NOOR, Jeremy STANTON (UNITED KINGDOM)
- 09:10 The anatomical region influences the interobserver variability of AIS
Roman PFEIFER¹, Eftychios BOLIERAKIS², Sylvia SCHICK², Frank HILDEBRAND², Hans-Christoph PAPE¹
¹(SWITZERLAND), ²(GERMANY)
- 09:15 Development of a Virtual Fracture Clinic (VFC) service at an NHS district general hospital
Sampalli SRIDHAR, Katharine WILCOCKS, Neal JACOBS, Ahmed ELMORSY, Leonidas VACHTSEVANOS, Katharine SHEAN, Lucie PATRICK, Mohamed ABDELMONEM (UNITED KINGDOM)
- 09:20 Spectrum of occupational peripheral nerve injuries due to metallic foreign body
Archit AGARWAL (INDIA)

- 09:25 Comparison of lateral entry nail and piriformis nail for femoral fractures – is it better?
Sanjay YADAV, Saurabh SINGH, Rajkumar ARYA, Mohit KUMAR (INDIA)
- 09:30 Primary shortening – secondary lengthening as the method of choice for treatment of big defect of long bone and soft tissue of extremities
Enver SABIC, Nedzad SABIC (BOSNIA)
- 09:35 Long bone defect management by Masquelet technique
Allahgoni Jacob SOKWO¹, Davou Gyang SHA¹, Vikas KHANDUJA², Alan NORRISH²
¹(NIGERIA), ²(UNITED KINGDOM)
- 09:40 Endoprosthetic replacement of femur for non-oncological indications – major trauma centre experience
Rajkumar THANGARAJ, Nameer CHOUDHRY, David MELLING, Paul CARTER, Simon SCOTT, James FOUNTAIN (UNITED KINGDOM)
- 09:45 The mangled extremity severity score - time for a revision
Gerwin Alexander BERNHARDT, Gloria HOHENBERGER, Peter KONSTANTINIUK, Janos CAMBIASO-DANIEL, Veronika MATZI, Angelika SCHWARZ, Renate KRASSNIG, David LUMENTA, Tina COHNERT (AUSTRIA)
- 09:50 The Gertality score – a feasible and adequate tool to predict mortality in geriatric trauma patients
Julian SCHERER¹, Yannik KALBAS¹, Franziska ZIEGENHAIN¹, Valentin NEUHAUS¹, Rolf LEFERING², Michel TEUBEN¹, Kai SPRENGEL¹, Hans-Christoph PAPE¹, Kai Oliver JENSEN¹
¹(SWITZERLAND), ²(GERMANY)

10:30 - 12:00

Young Surgeons Committee Symposium – Difficult Case Discussions in THAs

Moderators: Fares HADDAD (UNITED KINGDOM), Mohamed SUKEIK (SAUDI ARABIA)

Expert panel

Matthew MORREY (UNITED STATES)
James POWELL (CANADA)
Andre FERREIRA (FRANCE)
Zachary POST (UNITED STATES)
Amar RANAWAT (UNITED STATES)

- 10:30 Case 1
Mustafa CITAK (GERMANY)
- 10:40 Case 2
Gandhi SOLAYAR (MALAYSIA)
- 10:50 Case 3
Ahmed ALABDALI ALGHAMDI (SAUDI ARABIA)
- 11:00 Case 4
Oliver MARIN-PENA (SPAIN)
- 11:10 Case 5
Anastasia RAKOW (GERMANY)
- 11:20 Case 6
Raja Bhaskara Kanakeshwar RAJASEKARAN (INDIA)
- 11:30 Case 7
Ahmed ABDELAZEEM (EGYPT)
- 11:40 Case 8
Mohammadali ENAYATOLLAHI (IRAN)
- 11:50 Final remarks
Fares HADDAD (UNITED KINGDOM)

14:00 - 15:30

Young Surgeons Committee Symposium—Virtual Workshop: Literature Searching Techniques and Databases

Moderators: Fatih KUCUKDURMAZ (TURKEY), Mohamed SUKEIK (SAUDI ARABIA)

- 14:00 Cochrane
Mohamed SUKEIK (SAUDI ARABIA)
- 14:10 PubMed
Fatih KUCUKDURMAZ (TURKEY)
- 14:20 RSS feeds and Google Scholar
Mustafa ALNAIB (UNITED KINGDOM)
- 14:30 Scopus
Ismail TURKMEN (TURKEY)
- 14:40 Web of Science
Chris O'DOWD-BOOTH (UNITED KINGDOM)
- 14:50 Grey Literature
Temiloluwa OLUFEMI (NIGERIA)
- 15:00 **Practical session**
- 15:25 Final remarks
Fatih KUCUKDURMAZ (TURKEY)

16:00 - 17:30

Young Surgeons Committee Symposium—Training the Next Generation

Moderators: Ashok JOHARI (INDIA), Mohamed SUKEIK (SAUDI ARABIA)

- 16:00 Innovating education
Ashok JOHARI (INDIA)
- 16:08 Digital literacy and training: retooling how and what to teach
Frankie Ka Li LEUNG (HONG KONG)
- 16:16 Challenges and educational needs
Tatiana GUERSCHMAN (BRAZIL)
- 16:24 Training the next generation of healthcare leaders
Mohamed SUKEIK (SAUDI ARABIA)
- 16:32 The key to successful implementation of the SICOT curriculum
Vikas KHANDUJA (UNITED KINGDOM)
- 16:40 Training the trainers
Marc PATTERSON (UNITED KINGDOM)
- 16:48 Evaluating learning and change in orthopaedics: what is the evidence-base?
Epiniondas Markos VALSAMIS (UNITED KINGDOM)
- 16:56 Final remarks
Ashok JOHARI (INDIA)

Dry Hip Arthroscopy Labs | Thursday, 5 December | Meeting Room 10+11

08:00 - 10:30

Instructional Course—Dry Hip Arthroscopy Lab

Instructors: Emmanuel AUDENAERT (BELGIUM), Marc TOMPKINS (UNITED STATES), Ajay MALVIYA (UNITED KINGDOM), Satish KUTTY (UNITED KINGDOM)

- 08:00 Lecture: Portals and arthroscopic anatomy
- 08:15 Lecture: Addressing the cam
- 08:30 Lecture: Pincer and labral repair
- 08:45 Hands-on skill training

14:00 - 16:30

Instructional Course—Dry Hip Arthroscopy Lab

Instructors: Emmanuel AUDENAERT (BELGIUM), Oliver MARIN-PENA (SPAIN), Ajay MALVIYA (UNITED KINGDOM), Tony ANDRADE (UNITED KINGDOM)

- 14:00 Lecture: Portals and arthroscopic anatomy
- 14:15 Lecture: Addressing the cam
- 14:30 Lecture: Pincer and labral repair
- 14:45 Hands-on skill training

Knee-Shoulder Cadaver Lab | Thursday, 5 December | Sultan Qaboos University Hospital

08:00 - 12:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

Instructors: Amr RASHWAN (EGYPT), Rodrigo MONTIEL (BRAZIL), Tim DEAKON (CANADA), Peter YAU (HONG KONG)

(For course details see page 8)

08:00 - 12:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

Instructors: Khaled SHOHAYEB (EGYPT), Deepak BHATIA (INDIA)

(For course details see page 9)

13:00 - 17:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN),
Fernando ROSA (BRAZIL)

Instructors: Ayman EBIED (EGYPT), Sofiene KALLEL (TUNISIA), Swellam
AL GHANNAMI (OMAN), Fabio SCIARRETTA (ITALY)

(For course details see page 8)

13:00 - 17:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

Instructors: Ahmad KHATER (EGYPT), Srinath KAMINENI (UNITED STATES)

(For course details see page 9)

Hands-on Ponseti Clubfoot Workshop | Thursday, 5
December | Junior Ballroom A

12:30 - 14:00

Instructional Course—Hands-on Ponseti Clubfoot Workshop

Instructor: Matthew DOBBS (UNITED STATES)

Introduction to clubfoot and the Ponseti method, foot anatomy and definitions, pathoanatomy, method of manipulation, applying casts, tenotomy, maintenance using Foot Abduction Braces and identification of common problems

Trauma | Friday, 6 December | Auditorium

07:00 - 08:00

Short Free Paper Session—Trauma 2

Moderators: Garnet TREGONNING (NEW ZEALAND), Vivek TRIKHA (INDIA)

- 07:00 Complications in the management of closed high-energy proximal tibial plateau fractures: a retrospective study
Rahman Rasool AKHTAR, Umer SHAFIQUE (PAKISTAN)
- 07:05 Correlation of orthopaedic injuries with mode and mechanism of trauma in road traffic accidents using CDC-WHO injury surveillance guidelines and ICECI
Prateek AHLAWAT (INDIA)

- 07:10 The impact of introduction of pre-hospital trauma life support (PHTLS) algorithms on pre-hospital care in a European metropolitan area
Michel Paul Johan TEUBEN, Nicholas LOEHR, Kai JENSEN, Martin BRUEESCH, Roman PFEIFER, Stefan MÜLLER, Hans-Christoph PAPE, Kai SPRENGEL (SWITZERLAND)
- 07:15 Factors affecting the amount of radiation exposure from fluoroscopy during intramedullary nailing of isolated tibia fractures
Waleed ASAD, Ahmad ELSAYED, Ahmad ABDULAZIZ (QATAR)
- 07:20 Designing and using the pedicle mini-flap for taking pressure off the pedicle in distally based skin flaps
Wang PEIJI (CHINA)
- 07:25 The use of social media while driving: an orthopaedic resident's perspective on 'the dangers of driving and using social media'
Muhammad TAHIR (PAKISTAN)
- 07:30 Pelvic/acetabular injuries in a Seha (UAE / Abu Dhabi) Governmental Hospital – our experience
Ihab ABBAS, Husam RAHMEH (UNITED ARAB EMIRATES)
- 07:35 Treatment for unstable comminuted distal femur fractures: dual plate fixation
Romit AGRAWAL, Vijay SINGH, Ayush SHARMA, Nilesh MANGALE, Jeet SAVLA, Priyank DEEPAK, Shorabh SINHA, Ajay JAISWAL (INDIA)
- 07:40 Surgical vs non-surgical treatment of ankle fractures in patients above 50 years: a systematic review and meta-analysis
Maged MEKHAIMAR, Abduljabbar ALHAMMOUD, Motasem SALAMEH, Abdulaziz AHMED, Osamah ALDAHAMSHEH, Ghalib AHMED, Karim MAHMOUD (QATAR)

08:00 - 10:00

Free Paper Session – Trauma 2

Moderators: Narender MAGU (INDIA), Wael AZZAZI (JORDAN), Shanmuganathan RAJASEKARAN (INDIA)

- 08:00 **Keynote lecture:** The Ganga hospital score and how it has influenced care of open injuries
Shanmuganathan RAJASEKARAN (INDIA)
- 08:15 Regional blood flow changes in various body regions associated with reperfusion injury in a standardised animal model
Sascha HALVACHIZADEH, Michel TEUBEN, Yannik KALBAS, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)
- 08:23 A study on life saving emergency interventions in multiply injured patients – how are they distributed?
Sascha HALVACHIZADEH, Kai-Oliver JENSEN, Basil HATZ, Ladislav MICA, Hans-Christoph PAPE, Kai SPRENGEL (SWITZERLAND)
- 08:31 Infected defected non union – classification, strategy treatment according to Sabc (Fix AS) – follow-up of 25 years
Nedzad SABIC, Enver SABIC (BOSNIA)
- 08:39 Ocal versus systemic inflammation in a standardized porcine trauma model: is there a discernible effect of the magnitude of injuries?
Sascha HALVACHIZADEH, Michel TEUBEN, Kalbas YANNIK, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)
- 08:47 Analysis of preventability of preclinical trauma deaths
Roman PFEIFER, Sascha HALVACHIZADEH, Kai SPRENGEL, Neuhaus Valentin NEUHAUS, Kai Oliver JENSEN, Hans-Christoph PAPE (SWITZERLAND)
- 08:55 Retrograde femoral nails for emergency stabilisation in multiply injured patients with haemodynamic instability
Rahil MUZAFFAR, Sultan AL MASKARI, Ahmed YASEEN (OMAN)

- 09:03 Rib fracture fixation improves chest wall function - major trauma centre experience
Rajkumar THANGARAJ, Graham MILWARD, Simon SCOTT, Sharon SCOTT, David MELLING (UNITED KINGDOM)
- 09:11 DCO concept for gunshot injuries: results for early conversion from external to internal fixation
Lotfi NOUISRI (TUNISIA)
- 09:19 The influence of the nutritional status on the outcome of polytraumatised patients: BMI vs fat distribution
Silja SEINEN, Orkun ÖZKURTUL, Jörg BÖHME, Philipp PIEROH, Christoph JOSTEN, Johannes FAKLER (GERMANY)
- 09:27 Clinical outcome of patients after on scene resuscitation undergoing traumatic cardiac arrest – yes, it is worth it
Orkun ÖZKURTUL, Georg OSTERHOFF, Tonja WEBER, Christoph JOSTEN, Johannes FAKLER (GERMANY)
- 09:35 Prevalence and influence of comorbidities in polytrauma patients on survival rates: experiences of a level 1 trauma center
Valerie WEIHS, Viola HABERMAYER, Michel DEDEYAN, Nikolaus LANG, Stephan FRENZEL, Martin FROSSARD, Thomas HEINZ, Stefan HAJDU (AUSTRIA)
- 09:43 Geriatric polytrauma patients: experiences from a level 1 trauma center
Thomas HEINZ, Valerie WEIHS, Viola HABERMAYER, Michel DEDEYAN, Nikolaus LANG, Stephan FRENZEL, Stefan HAJDU (AUSTRIA)
- 09:51 A data based assessment of four grading scores of polytraumatised patients
Sascha HALVACHIZADEH, Larissa BARADARAN, Paolo CINELLI, Roman PFEIFER, Hans-Christoph PAPE (SWITZERLAND)
- 09:59 Changes in trauma management following the implementation of the whole-body computed tomography: a retrospective multicentre study based on the trauma registry of the German Trauma Society (Traumaregister DGU ©)
Patricia LANG (GERMANY)

10:30 - 12:00

SICOT Instructional Symposium – Fractures below the Knee (in partnership with the SICOT Foot and Ankle Group)

Moderator: Gowreeson THEVENDRAN (SINGAPORE)

- 10:30 Floating knee injuries
Dariush GOURAN SAVADKOOHI (IRAN)
- 10:40 ORIF in tibial plateau fractures – planning and strategy
Stephan FRENZEL (AUSTRIA)
- 10:50 Amputation vs reconstruction
Roman PFEIFER (SWITZERLAND)
- 11:00 How I manage neglected compartment syndrome of the leg
Nikesh SHAH (INDIA)
- 11:10 How I manage a long standing hindfoot malunion
Anish KADAKIA (UNITED STATES)
- 11:20 How I manage a chronically loose ankle
Paulo FERRAO (SOUTH AFRICA)

11:30 Case based lecture and podium discussion: are there any geographical influences on fracture management?

12:00 – 12:30

Plenary Session 2

Moderators: Shanmuganathan RAJASEKARAN (INDIA), Vikas KHANDUJA (UNITED KINGDOM)

12:00 Childhood hip disease and its relation to adult osteoarthritis: looking forwards, looking backwards
Randall LODER (UNITED STATES)

12:30 – 13:00

Research Academy Session

12:30 Research Academy Awards
Matthew DOBBS (UNITED STATES), Shanmuganathan RAJASEKARAN (INDIA)

YOUNG INVESTIGATOR AWARD: Role of alendronate/teriparatide in steroid induced osteoporosis in developing countries
Abdul QADIR (PAKISTAN)

BASIC SCIENCE AWARD: Basic science: the periprosthetic osteolysis
Ghanshyambhai KAKADIYA (INDIA)

CLINICAL SCIENCE AWARD: Comparative evaluation of outcome of flexor tendon repair with or without amniotic membrane wrap
Saket PRAKASH (INDIA)

14:00 - 15:30

SICOT Instructional Symposium – Pelvic Ring Fractures

Moderator: Hans-Christoph PAPE (SWITZERLAND)

14:00 Why I use computer-assisted surgery for pelvic fractures
Roman PFEIFER (SWITZERLAND)

14:10 Pelvic ring injuries: specifics in southern USA
Boris ZELLE (UNITED STATES)

14:20 Pelvic fractures in India: how do we manage?
Vivek TRIKHA (INDIA)

14:30 Pelvic ring injuries: specifics in an urban European trauma centre
Hans-Christoph PAPE (SWITZERLAND)

14:40 Case based lecture and podium discussion
Hans-Christoph PAPE (SWITZERLAND)

14:50 Case based lecture and podium discussion
Cyril MAUFFREY (UNITED STATES)

15:00 Case presentation: a plea for minimal invasive fixation
Cyril MAUFFREY (UNITED STATES)

15:10 Case presentation: a plea for ORIF
Jordan SAVESKI (MACEDONIA)

16:00 - 17:30

Free Paper Session – Trauma 3

Moderators: Julio RIBES-IBORRA (SPAIN), Vivek TRIKHA (INDIA)

16:00 Improved terror preparedness by education of in-hospital decision makers with a table-top-exercise: the Terror and Disaster Surgical Care (TDSC®) - course
Gerhard ACHATZ, Benedikt FRIEMERT (GERMANY)

16:08 Lipid profile changes in patients with plantar fasciitis: a case control study
Seyyed Hadi SEYYED HOSEINIAN, Amir Reza KACHOOE, Alireza MOUSAVIAN (IRAN)

16:16 The outcome of primary intramedullary nailing of open tibial and femoral fractures in an austere environment
Muhammad HASEEB¹, Khurshid BHAT², Omeshwar SINGH², Khalid MUZZAFAR², Bias DEV², Abdul GHANI²
¹(UNITED KINGDOM), ²(INDIA)

16:24 The current situation and future challenges of the trauma system in Sri Lanka
Ishfa IFHAM¹, Azeem THAHIR²
¹(BANGLADESH), ²(UNITED KINGDOM)

16:32 Management of gunshot fractures of long bones
Filip BURGET (CZECH REPUBLIC)

16:40 Outcome of simultaneous treatment of multiple severely injured trauma patients – an analysis of the German Trauma Registry
Teuben MICHEL PAUL JOHAN¹, Carsten MAND², Alba SHEHU², Roman PFEIFER¹, Steffen RUCHHOLTZ², Rolf LEFERING², Hans-Christoph PAPE¹, Kai JENSEN¹
¹(SWITZERLAND), ²(GERMANY)

16:48 Triage in mass casualties incidents
Filip BURGET (CZECH REPUBLIC)

16:56 Violence against health personnel and facilities in Libya
Mohamed RASHED, Mohamed BASHAGHA, Abdulhameed LAYAS (LIBYA)

17:04 Kermanshah earthquake: a report of musculoskeletal injuries and orthopedic management in Taleqani Hospital, the trauma center of Kermanshah, West Iran
Seyyed Saeed KHABIRI, Monire YAGHOUBI (IRAN)

17:12 Iatrogenic median nerve injury as a result of venous cut down procedure: a rare case report
Akash SINGHAL, Anubhav MALHOTRA (INDIA)

17:20 Functional and radiological outcome of Schatzker type V & VI tibial plateau fractures treated with dual plating
Devendra AGRAHARAM, Jayaramaraju DHEENADHAYALAN, Shanmuganathan RAJASEKARAN (INDIA)

17:28 Cement augmentation in osteoporotic intertrochanteric fractures – a simple yet effective technique
Rakesh GUPTA (INDIA)

DMI'S / Hip | Friday, 6 December | Grand Ballroom Hall A1

07:00 - 08:00



Partner Society Symposium—DMI'S

Moderator: Chahine ASSI (LEBANON)

- 07:00 Welcome & president address
Jean-Louis PRUDHON (FRANCE)
- 07:05 Literature review actualities
Jacques CATON (FRANCE)
- 07:10 Dual mobility around eastern Mediterranean Sea and Arabic countries (round table)
Chahine ASSI (LEBANON)
Jatinder LUTHRA (OMAN)
Ayman EBIED (EGYPT)
Osama ALSHAIA (SAUDI ARABIA)
Lyes AIT EL ADJ (ALGERIA)
Fatih KUCUKDURMAZ (TURKEY)
- 07:52 Discussion and conclusion
Jean-Louis PRUDHON (FRANCE)

08:00 - 10:00

Free Paper Session—Hip 3

Moderators: Rajesh MALHOTRA (INDIA), Ajay MALVIYA (UNITED KINGDOM)

- 08:00 **Keynote lecture:** When less is more: being conservative in arthroplasty
Rajesh MALHOTRA (INDIA)
- 08:15 Total hip arthroplasty in association with digastric trochanteric osteotomy and proximal shortening: a solution for old hip dysplasia
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 08:23 Low friction arthroplasty and dual mobility cup: a new gold standard
Jean Louis PRUDHON, Regis VERDIER, Jacques CATON (FRANCE)
- 08:31 Long-term survival of a cementless straight stem with a collar: a continued and multicentric series of 369 THA at a minimum follow-up (FU) of 15 years
Jean Marc PUCH, Guy DERHI, Loÿs DESCAMPS, Jacques CATON (FRANCE)
- 08:39 Bone remodelling with the C-stem polished triple-tapered implant: a 13- to 18-year follow-up study
David SOCHART (UNITED KINGDOM)
- 08:47 Medium-term outcome of large head ceramic-on-metal primary total hip arthroplasty: a non-comparative prospective study
Ahmed MAGAN, Rishi AGGREWAL, Alun JOHN (UNITED KINGDOM)
- 08:55 Comparative analysis of shortening osteotomies types outcomes in total hip replacement in patients with congenital hip dislocation
Dmitrii MARKOV, Kseniia ZVEREVA (RUSSIA)
- 09:03 Clinical and radiological outcomes of total hip arthroplasty using a monoblock stem and femoral osteotomy in Crowe type-IV hip dysplasia
Abdulrahman ALGARNI (SAUDI ARABIA)

- 09:11 Lifetime risk of re-operation for ceramic-on-polyethylene versus ceramic-on-ceramic bearings: study of 8489 primary hips in a 30-year follow-up period
Phillipe HERNIGOU, Charles Henri FLOUZAT LACHANETTE (FRANCE)
- 09:19 Improved patient-reported outcomes after total hip replacement in Sweden
Ola ROLFSON, Daniel SJÖGREN, Daniel ODIN, Maziar MOHADDES (SWEDEN)
- 09:27 The use of POLARSTEM hip stem and R3 acetabular component for total hip arthroplasty is associated with higher gains in patient-reported outcome measures compared to the class average for cementless implants
Diarmuid DE FAOITE¹, Christopher SAUNDERS², Amir KAMALI² ¹(SWITZERLAND), ²(UNITED KINGDOM)
- 09:35 Effects of rotational torque on the geometry of unstable inter-trochanteric fracture fixation – a comparative study on right and left hip fractures
Sanjay SONANIS, Taha MIR, Abdul WAHAB (UNITED KINGDOM)

10:30 - 12:00

SICOT Instructional Symposium—Hip Osteonecrosis

Moderators: Jacques CATON (FRANCE), Fatih KUCUKDURMAZ (TURKEY)

- 10:30 Introduction
Jacques CATON (FRANCE)
- 10:40 Classification
Mohamed SUKEIK (SAUDI ARABIA)
- 10:50 Conservative treatment with cell therapy
Phillipe HERNIGOU (FRANCE)
- 11:00 Conservative treatment with core decompression and graft
Yasuhiro HOMMA (JAPAN)
- 11:10 Conservative treatment with femoral osteotomy
Phillipe HERNIGOU (FRANCE)
- 11:20 Arthroplasty
Chahine ASSI (LEBANON)
- 11:30 Results and perspectives
Phillipe CHIRON (FRANCE)
- 11:40 Discussion

13:00 - 14:00

Industry-Sponsored Session

14:00 - 15:30

SICOT Instructional Symposium—How to Follow a Primary and Revision THA

Moderators: Andre FERREIRA (FRANCE), Laszlo BUCSI (HUNGARY)

- 14:00 Clinical scores (PMA, HHS, Iowa, Charnley, ASA...)
Andre FERREIRA (FRANCE)

- 14:10 Quality of life scores (Oxford, WOMAC, HOOS, Devane, Parker...)
Syah BAHARI (MALAYSIA)
- 14:20 Radiological survey (Wear, LL, Osteolysis...)
Alberto CARLI (UNITED STATES)
- 14:30 Radiological scores (Engh, Green, AAOS, Paprovski, SOFCOT...)
Alexandre NEHME (LEBANON)
- 14:40 Registries survey (what influence?)
Ola ROLFSON (SWEDEN)
- 14:50 Revision for asymptomatic hip
Afshin TAHERIAZAM (IRAN)
- 15:00 Revision for symptomatic hip
Francesco FALEZ (ITALY)
- 15:10 Conclusion
Andre FERREIRA (FRANCE)
- 15:20 Discussion
Laszlo BUCSI (HUNGARY)

16:00 - 17:30

SICOT Instructional Symposium—Femoral Neck Fractures: What is Best?

Moderators: Andreas MAVROGENIS (GREECE), Narender MAGU (INDIA)

- 16:00 Classification
Fatih KUCUKDURMAZ (TURKEY)
- 16:10 ORIF
Phillipe HERNIGOU (FRANCE)
- 16:20 Hemiarthroplasties
Lyes AIT EL HADJ (ALGERIA)
- 16:30 THA
Domenico TIGANI (ITALY)
- 16:40 Dual-mobility cup
Chahine ASSI (LEBANON)
- 16:50 Medico-economic issues
Jacques CATON (FRANCE)
- 17:00 Indications (evolution)
Andre FERREIRA (FRANCE)
- 17:10 Conclusion
Nicolas REINA (FRANCE)
- 17:20 Discussion

Paediatrics / ASAMI & Hull Deformity | Friday, 6 December | Grand Ballroom Hall A2

08:00 - 10:00

Free Paper Session—Paediatrics 2

Moderators: Cloris KESSLER (BRAZIL), Indranil KUSHARE (UNITED STATES)

- 08:00 **Keynote lecture:** Managing malignant bone tumours: treatment and beyond
Ajay PURI (INDIA)
- 08:15 Results of a standard versus accelerated Ponseti protocol in clubfoot: a prospective randomised study
Qazi Mana'an MASOOD, Shahid MIR (INDIA)
- 08:23 Is a one-day training course useful in making skilful Ponseti providers? A retrospective study
Sandeep LENKA, Gunjar JAIN (INDIA)
- 08:31 New histological findings in clubfoot deformity tissue – increase in the level of vascularity and newly detected proangiogenic pathways in the contracted side of the clubfoot
Tomas NOVOTNY, Adam ECKHARDT, Jarmila KNITLOVA, Martin OSTADAL (CZECH REPUBLIC)
- 08:39 Can we predict which clubfoot patients are at risk of relapse?
Shahbaz KHAN¹, Noppachart LIMPAPHAYOM², Stewart SARA³, Ali Khan MANSOOR¹, Matthew DOBBS³
¹(PAKISTAN), ²(THAILAND), ³(UNITED STATES)
- 08:47 Longitudinal overgrowth of the femur stimulated by a short-leg ambulation in children
Mahmoud EL-ROSASY, Ashraf KHANFOUR (EGYPT)
- 08:55 Historical and up to date stimulation of the distraction osteogenesis: research and practice in Ilizarov Center (Kurgan)
Alexander GUBIN, Dmitry BORZUNOV, Evgeny OVCHINIKOV, Dmitry POPKOV, Andrey EMANOV, Natalia KONONOVICH, Galina DIACHKOVA (RUSSIA)
- 09:03 Intramedullary magnetic nails for limb lengthening: our experience
Gilberto COSTA, André COUTO, Jorge COUTINHO, Joana FREITAS, António SOUSA (PORTUGAL)
- 09:11 Surgical biomechanics in cerebral palsy – role of lever arm dysfunction
Deepak SHARAN (INDIA)
- 09:19 Anterior knee pain in adults with cerebral palsy: a miraculous treatment?
Joshua HYMAN, Ahmad BAYOMY, Hung CHUN WAI, Thejas HIREMATH, Danielle ANNIS, Fay CALLEJO, Megan CAMPBELL, Nicole BAINTON, Hiroko MATSUMOTO, Lauren REDLER, Charles POPKIN, David ROYE (UNITED STATES)
- 09:27 Minimal invasive treatment to prevent spastic hip dislocation
Peter BERNIUS, Vanessa GATTUNG, Nadine HERZIG, Michael POSCHMANN (GERMANY)
- 09:35 Minimal correlation between Pediatric Outcomes Data Collection Instrument (PODCI) and the Shriners Hospital Upper Extremity Evaluation (SHUEE) scores in children with hemiplegic cerebral palsy
Jennifer TY, Rameez QUDSI, Nancy LENNON, John KEE, Timothy NILLER, Julieanne SEES (UNITED STATES)

10:30 - 12:00

SICOT Instructional Symposium—Paediatric Orthopaedics

Moderators: Patricia FUCS (BRAZIL), Gamal HOSNY (EGYPT)

- 10:30 Mini-invasive surgery in children: arthroscopic tarsal coalition in children
Jorge KNORR (SPAIN)
- 10:43 Infections in children: an update
Reggle HAMDY (CANADA)

- 10:56 Cerebral palsy hips: salvage options
Patricia FUCS (BRAZIL)
- 11:09 Leg-length discrepancy in children: an update on techniques
Gamal HOSNY (EGYPT)
- 11:22 Pathological fractures in children: what to do?
Bulent EROL (TURKEY)
- 11:35 Surgical treatment of undescended scapula
Mohammed Ali AL-BAYATTI (IRAQ)
- 11:48 Discussion

14:00 - 15:30



Partner Society Symposium—ASAMI & Hull Deformity: Consequences of Growth Plate Arrest

Moderators: Hemant SHARMA (UNITED KINGDOM), Gamal HOSNY (EGYPT)

- 14:00 Aetiology of growth plate arrest
Gracielle CARDOSO (BRAZIL)
- 14:12 Algorithm for the management of growth plate injuries
Reggie HAMDY (CANADA)
- 14:24 Update on the diagnosis and imaging of growth plate injuries
Sultan AL MASKARI (OMAN)
- 14:36 Management of bony bar
Milind CHAUDHARY (INDIA)
- 14:48 Planning and correction of deformities around the knee
Hemant SHARMA (UNITED KINGDOM)
- 15:00 Planning and correction of deformities around the ankle
Gamal HOSNY (EGYPT)
- 15:12 Discussion

16:00 - 17:30

Free Paper Session—Paediatrics 3

Moderators: Joshua HYMAN (UNITED STATES), Anant MAHAPATRA (IRELAND)

- 16:00 Orthopaedic presentation of children with non-accidental injuries
Ramesh DALWAI, Sharma AKSHAT, Varghese BOBIN, Vadivelu RAMANAN (UNITED KINGDOM)
- 16:08 Radiographic improvement after subtalar arthroereisis: the first study with a control group and without the effect of soft-tissue procedure
Chiun-Hua HSIEH, Chia-Che LEE, Tzu-Hao TSENG, Kuan-Wen WU, Ting-Ming WANG (TAIWAN)
- 16:16 Knee and foot contracture after limb lengthening in children
Ghassan SALAMEH¹, Michael SCHMIDT²
¹(SYRIA), ²(GERMANY)
- 16:24 Epidemiology of concomitant injuries in skeletally immature patients with pelvic injuries
Junaid KHAN, Riaz AHMED, Rahman Rasool AKHTAR (PAKISTAN)
- 16:32 Treatment of developmental coxa by the dynamic hip screw
Abdel-Azim WAHSH (EGYPT)

- 16:40 The effects of surgical treatment with chondroblastoma in children and adolescents in open epiphyseal plate of long bones
Shi RUI, Hong DUAN (CHINA)
- 16:48 Results of osteoclasts in correction of knee deformities
Abdel-Azim WAHSH (EGYPT)
- 16:56 Neuromonitoring for proximal fibular osteochondroma excision
Mihir THACKER, Carlos PARGAS, Chris MARKY, Kenneth ROGERS, Anthony DINARDO, Anthony SESTOKAS (UNITED STATES)
- 17:04 Surgical reconstruction 'à la carte' of severe idiopathic flexible flatfoot in children: a report of 34 cases
Djamel LOUAHEM M'SABAH (FRANCE)
- 17:12 Femoral head reduction in Perthes and Perthes-like deformities
Daniela DIBELLO¹, Reinhold GANZ²
¹(ITALY), ²(SWITZERLAND)

MSF / Sports Medicine | Friday, 6 December | Grand Ballroom Hall A3

07:30 - 08:00



Free Paper Session—Médecins-Sans-Frontières Symposium

Moderators: Maurice HINSENKAMP (BELGIUM), Francois BOILLOT (FRANCE)

- 07:30 Médecins-Sans-Frontières' Amman Project: joint reconstructive program in war zone areas
Francois BOILLOT¹, Ali MK AL ANI², Hanna JANHO², Rasheed M FAKHRI², Patrick HERARD¹
¹(FRANCE), ²(JORDAN)
- 07:45 Ten years of reconstruction in Amman
Ali M K AL ANI¹, Hanna JANHO¹, Rasheed M FAKHRI¹, Patrick HERARD², Francois BOILLOT²
¹(JORDAN), ²(FRANCE)

08:00 - 10:00

Free Paper Session—Sports Medicine 3

Moderators: James LOH (SINGAPORE), Vane ANTOLIC (TURKEY)

- 08:00 **Keynote lecture:** Management of meniscal pathology in footballers
Philippe NEYRET (FRANCE)
- 08:15 Double tunnel anatomical coracoclavicular ligament reconstruction with double tightrope suspensory fixation in acute AC joint dislocations
Nishit PALO, Sidharth CHANDEL, Bhaskar BORGHAIN, Manoj PATEL (INDIA)

- 08:23 Outcomes of arthroscopic surgery in patients with joint laxity and hypermobility syndromes: a systematic review
Haitham SHOMAN¹, Prabvir MARWAY², Vikas KHANDUJA²
¹(UNITED STATES), ²(UNITED KINGDOM)
- 08:31 Medical support reduced low back pain in juvenile basketball players – five-year results
Kazuyuki WATANABE, Shin-ichi KONNO (JAPAN)
- 08:39 Radial nerve anatomy at the elbow joint and its arthroscopic relevance
Srinath KAMINENI, Ashfaq HAMZA, Satya ALLURI, Vikas DHAWAN (UNITED STATES)
- 08:47 Arthroscopic anatomy of the median nerve and brachial artery neurovascular bundle at the elbow
Srinath KAMINENI, Ashfaq HAMZA (UNITED STATES)
- 08:55 Surgical management of chronic incomplete avulsion injuries of the proximal hamstrings
Atif AYUJOB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)
- 09:03 Dual bundle MPFL reconstruction: the angular arc of safety
Zhihong CHEW, Peilin Cheryl Marise TAN, Sir Young James LOH (SINGAPORE)
- 09:11 Early outcomes of arthroscopy surgery for femoro-acetabular impingement: a study using the non-arthroplasty hip registry (NAHR) dataset
Ajay MALVIYA, Richard HOLLEYMAN, Mark SOHATEE, Marcus BANKES, Vikas KHANDUJA (UNITED KINGDOM)
- 09:19 The use of a mini all suture anchor reduces post-operative psoas irritation in patients undergoing hip arthroscopy for femoroacetabular impingement
Paul HAGGIS, Tony ANDRADE (UNITED KINGDOM)
- 09:27 Surgical repair of the adductor longus muscle ensures return to sport in male soccer players
Marcin DOMZALSKI, Patrycja SZKUTNIK, Sebastian ZABIEREK, Jędrzej LESMAN (POLAND)
- 09:35 Are we doing correct indications for hip arthroscopic treatment? A national multicentric study
Oliver MARIN-PENA¹, Mohamed ABD EL-RADI², Raul TORRES-EGUIA¹, Jesus MAS-MARTINEZ¹, Javier SANZ-REIG¹, Juan RIBERA¹, Marc TEY-PONS¹, Luis PEREZ-CARRO¹, Boris GARCIA-BENITEZ¹
¹(SPAIN), ²(EGYPT)
- 09:43 Labral repair in femoroacetabular impingement: comparing patient outcomes between two different arthroscopic knotless suture anchors
Paul HAGGIS, Tony ANDRADE (UNITED KINGDOM)
- 09:51 Timing of ACL surgery in acutely injured patients has prognosis implications: a prospective study on elite players
Sourabh KHATRI, Ravi GUPTA, Anil KAPOOR, Aditya SINGHLA (INDIA)

10:30 - 12:00

SICOT Instructional Symposium—My Favourite ACL Reconstruction

Moderators: Stephen ABELOW (UNITED STATES), Julio FERNANDES (CANADA)

- 10:30 Technique 1
Stephen ABELOW (UNITED STATES)
- 10:38 Technique 2
Rene VERDONK (BELGIUM)

- 10:46 Technique 3
Fabio SCIARRETTA (ITALY)
- 10:54 Technique 4
Peter YAU (HONG KONG)
- 11:02 Technique 5
Parag SANCHETI (INDIA)
- 11:10 Technique 6
Umer BUTT (PAKISTAN)
- 11:18 Technique 7
Stephen MCDONNELL (UNITED KINGDOM)
- 11:26 Technique 8
Julio FERNANDES (CANADA)
- 11:34 Technique 9
Vikas KHANDUJA (UNITED KINGDOM)
- 11:42 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Advances in Arthroscopic Management of Hip and Knee Injuries

Moderator: Vikas KHANDUJA (UNITED KINGDOM)

- 14:00 Update on management of injuries to the MPFL
Teo Seow HUI (MALAYSIA)
- 14:10 Repairing the articular cartilage of the knee: where are we now?
Julio FERNANDES (CANADA)
- 14:20 The internal bracing technique for ACL repair
Stephen MCDONNELL (UNITED KINGDOM)
- 14:30 Minimally invasive PAO for mild dysplasia
Ajay MALVIYA (UNITED KINGDOM)
- 14:40 Computer-assisted surgery and hip arthroscopy: an update
Vikas KHANDUJA (UNITED KINGDOM)
- 14:50 Update on management of OCD
Marc TOMPKINS (UNITED STATES)
- 15:00 Osteotomy: a forgotten art for preservation of the knee
Milind CHAUDHARY (INDIA)
- 15:10 Discussion

16:00 - 17:30

Free Paper Session—Sports Medicine 4

Moderators: Stephen ABELOW (UNITED STATES), Parag SANCHETI (INDIA)

- 16:00 Clinical, imaging and isthologic outcome of osteochondral lesions of the knee treated using the LIPO-AMIC technique
Fabio Valerio SCIARRETTA, Carella CINTIA, Sanchez MASSIMO, Campisi SILVANA (ITALY)

- 16:08 Surgical management of distal hamstring (biceps femoris) non-avulsion tears at T-junction
Atif AYUOB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)
- 16:16 Medial patellofemoral ligament (MPFL) reconstruction: are those patients happy?
Suwallim AL GHANAMI, Ismail AL HABSI, Arafat ALFIKEY (OMAN)
- 16:24 The arthroscopic Latarjet: an international, multi-surgeon learning curve analysis
Epaminondas VALSAMIS¹, Jean KANY², Nicolas BONNEVIALLE², Roberto CASTRICINI³, Alexandre LÄDERMANN⁴, Gregory CUNNINGHAM⁴, Daniel SCHWARTZ⁵, George ATHWAL⁶, Joideep PHADNIS¹
¹(UNITED KINGDOM), ²(FRANCE), ³(ITALY), ⁴(SWITZERLAND), ⁵(UNITED STATES), ⁶(CANADA)
- 16:32 Could it be an alternate for Latarjet procedure? A cadaveric study of open, arthroscopic-assisted and all-arthroscopic technical feasibility of biceps re-routing and tenodesis to the deficient antero-inferior glenoid
Amr KANDEEL, Wael EL-KHOLY, (EGYPT)
- 16:40 Arthroscopic repair of torn subscapularis tendon using all suture anchors
Amr OMR (EGYPT)
- 16:48 Mini-open interval slide repair with progressive rehabilitation for treatment of massive rotator cuff tears
Jinwu WANG, Keming WAN, Han YANG, Yuanjing XU, Zezheng YANG (CHINA)
- 16:56 A meta-analysis of clinical success rates following meniscal repair of ramp lesions and horizontal, radial, and root tears
Diarmuid DE FAOITE¹, Robbie DUERR², Rachel BARROW³, Amir KAMALI³
¹(SWITZERLAND), ²(UNITED STATES), ³(UNITED KINGDOM)
- 17:04 Long-term risk of degenerative change following meniscal repair and partial meniscectomy: a meta-analysis
Diarmuid DE FAOITE¹, Robbie DUERR², Rachel BARROW³, Amir KAMALI³
¹(SWITZERLAND), ²(UNITED STATES), ³(UNITED KINGDOM)
- 17:12 Torn discoid lateral meniscus
Mustafa MESRIGA, Ayman EBEID (EGYPT)

Moderators: Marko BUMBASIREVIC (SERBIA), Juyu TANG (CHINA)

- 07:00 Reconstruction of huge soft tissue defect of limbs by combined transplantation of perforator flaps
Juyu TANG (CHINA)
- 07:10 Clinical study of selective ipsilateral C7 transposition in the repair of C5 injury
Junjian JIANG (CHINA)
- 07:13 Vascularised fibular head epiphysis transfer for growing lateral malleolus defect
Wenjun LI (CHINA)
- 07:16 Vascularised third metatarsal bone/epiphysis transplantation for reconstructing hypoplastic thumb
Jiantao YANG (CHINA)
- 07:19 Clinical application of the descending genicular artery as the recipient artery for free anterolateral thigh flap
Jun LIU, Yongjun RIU (CHINA)
- 07:22 A review and reflection on the diagnosis and treatment of Neurogenic Thoracic Outlet Syndrome
Zhan ZHANG (CHINA)
- 07:25 The design methods and clinical application of perforating propeller flap in lower limb
Yi CUI (CHINA)
- 07:28 Aesthetic reconstruction of fingers with re-shaped 2nd toe in one-stage operation
Yaping LIU, Linjun TANG, Taian CUI, Hua ZHENG, Shaoyong ZHOU, Hang ZHANG (CHINA)
- 07:31 Repair of complicated extremities defects with multi-method chimeric transplantation or combined flow-through
Xiaoju ZHENG (CHINA)
- 07:34 Clinical application of temporary ectopic implantation combined with anterolateral thigh flap for thumb reconstruction
Jian HUANG (CHINA)
- 07:37 Transplantation of free metatarsophalangeal or proximal interphalangeal joint of the second toe with toe preservation for repair of traumatic digital arthritis
Yi XU (CHINA)
- 07:40 Life in black or white? A case report for repairing annular tissue defect in middle finger with hallux wrap-around flap
Zhehui TU (CHINA)
- 07:41 Early coverage of Grade IIIB tibial fracture tissue defect with modified latissimus dorsi musculocutaneous flap
Zheng-Bing ZHOU (CHINA)
- 07:42 One stage reconstruction of the open DRUJ injury using the tendon graft
Jihai XU (CHINA)
- 07:43 Solution of intraoperative difficulties during two-paddle anterolateral thigh flap harvest in treating complex soft tissue defect
Yipeng WU (CHINA)
- 07:44 The proximal dominant complete severed quadrifinger of a 23-month-old infant was successfully replanted: a case report
Yangjian WANG (CHINA)
- 07:45 Clinical observation of skin flap repair after radical resection for scrotal and penile Paget's disease guided by subunit division of perineal body surface
Peng WEI (CHINA)
- 07:46 Discussion

**Microsurgery / Shoulder & Elbow | Friday, 6
December | Grand Ballroom Hall C1**

07:00 - 08:00

Free Paper Session —What's New in Chinese Microsurgery?

08:00 - 10:00

Free Paper Session—Shoulder & Elbow 1

Moderators: Lee VAN RENSBURG (UNITED KINGDOM), Bhuvan MACHANI (UNITED ARAB EMIRATES)

- 08:00 **Keynote lecture:** Progression from instability to osteoarthritis in the shoulder
Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)
- 08:15 Disappointing results with the Inspace® balloon spacer for failed-repaired/irreparable massive rotator cuff tears
Shoaib IQBAL, Sameer KHAN, Jaime CANDAL-COUTO, Dave CLOKE (UNITED KINGDOM)
- 08:23 Ultrasound assessment of supraspinatus tendon post antegrade interlocking nail of the humerus
Hilal Salim Ali AL-HOUSNI¹, Mohammed Zubair ALFAYADH², Mohd Razif Bin Mohd ALI², Slew Hui TEO², Wuey Min NG², Brandon LEE²
¹(OMAN), ²(MALAYSIA)
- 08:31 Study on efficacy of platelet rich plasma versus steroid in the treatment of rotator cuff tendinitis
Vineet Thomas ABRAHAM (INDIA)
- 08:39 Real-time evaluation of perfusion at the supraspinatus tendon with modern contrast enhanced ultrasound
Gerhard ACHATZ (GERMANY)
- 08:47 Is there a role for platelet-rich plasma therapy in the treatment of rotator cuff tendinopathy? A systematic review and meta-analysis
Aditya KAJA, Vijay D SHETTY, Saurabh TALEKAR, Ashutosh DONGRE (INDIA)
- 08:55 Synthetic augmentation for massive rotator cuff tears
Adham JUDHI¹, Paul HARRINGTON¹, Ali ABDULKARIM², Mohammed ALHAZMI¹
¹(IRELAND), ²(UNITED KINGDOM)
- 09:03 Management of peri arthritis shoulder by supra-scapular nerve block versus platelet rich plasma
Alok Chandra AGRAWAL, Harshal SAKALE, Buddhadeb NAYAK, Sharma SANKALP, Mayank KUMAR (INDIA)
- 09:11 Internal bracing of the coracoclavicular ligament in a recent acromioclavicular joint dislocation
Soliman HASSAN, Taher ABDLSATTAR, Ismail TAWFIK (EGYPT)
- 09:19 Radiographic and CT characteristics of coronoid fractures and inter-observer reliability of coronoid fracture classification
Paul CAMERON, H SYED, Marko VALSAMIS, Joideep PHADNIS (UNITED KINGDOM)
- 09:27 Hydrodilatation for primary adhesive capsulitis: fluoroscopically assisted versus eco-guided
Petrea IFTIMIE, Joan Tomas GEBELLI, Noella FONS, Ester BLANCH, Antonio BUÑUEL (SPAIN)
- 09:35 Comparison of outcome of tennis elbow patients treated with USG guided (PRP and steroid injection) vs blind (steroid & PRP injection) in a randomised controlled trial
Abhinav JOGANI, Prashant KAMBLE, Shubhranshu MOHANTY, Tushar RATHOD (INDIA)
- 09:43 Comparative evaluation of non-operative treatment modalities for frozen shoulder
Bushu HARNA, Dhananjaya SABAT (INDIA)

10:30 - 12:00

SICOT Instructional Symposium—Shoulder and Elbow Arthroscopy

Moderators: Marius SCARLAT (FRANCE), Nuri AYDIN (TURKEY)

- 10:30 Radiological examination of shoulder instability patient
Ustun AYDINGOZ (TURKEY)

- 10:40 Examination of shoulder instability patient
Ali CHAMSEDDINE (LEBANON)
- 10:50 Arthroscopic Bankart repair
Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)
- 11:00 SLAP repair? Should we do it?
Marc TOMPKINS (UNITED STATES)
- 11:10 Arthroscopic treatment of lateral epicondylitis
Srinath KAMINENI (UNITED STATES)
- 11:20 Elbow arthroscopy in degenerative conditions of the elbow joint
In-Ho JEON (SOUTH KOREA)
- 11:30 Arthroscopic treatment of multidirectional shoulder instability
Umer BUTT (PAKISTAN)
- 11:40 Complications of shoulder and elbow arthroscopy
Mohammed RAZI (IRAN)
- 11:50 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Shoulder Arthroplasty

Moderator: W Jaap WILLEMS (NETHERLANDS)

- 14:00 Examination of the shoulder arthroplasty patient
Osman Mert TOPKAR (TURKEY)
- 14:10 Preoperative planning of shoulder arthroplasty
Ghassan AL-YASSARI (OMAN)
- 14:20 Biomechanics of the anatomical and reverse shoulder arthroplasty
Lee VAN RENSBURG (UNITED KINGDOM)
- 14:30 Anatomical total shoulder arthroplasty
Sherif ELNIKETY (UNITED KINGDOM)
- 14:40 Reverse shoulder arthroplasty
Srinath KAMINENI (UNITED STATES)
- 14:50 Surface arthroplasty of the shoulder
W Jaap WILLEMS (NETHERLANDS)
- 15:00 Arthroplasty for rheumatoid arthritis patients
Andrey GRITSYUK (RUSSIA)
- 15:10 Complications of shoulder arthroplasty
Nuri AYDIN (TURKEY)
- 15:20 Discussion

16:00 - 17:30

Free Paper Session—Shoulder & Elbow 2

Moderators: Marko BUMBASIREVIC (SERBIA), Raed ABU TALEB (SAUDI ARABIA)

- 10:30 Radiological examination of shoulder instability patient
Ustun AYDINGOZ (TURKEY)

- 16:00 Cemented versus uncemented glenoid components in total shoulder arthroplasty for shoulder osteoarthritis: a New Zealand Joint Registry study
Marc HIRNER (NEW ZEALAND)
- 16:08 Factors associated with need for blood transfusion and prolonged length of stay (LOS) following shoulder arthroplasty
Waheeb AL-AZZANI, Manhal RIJAB AGHA, Tim MATTHEWS, Rhys WILLIAMS, Paul CARTER, Tessa BAILEY (UNITED KINGDOM)
- 16:16 Do all anteromedial coronoid fractures require surgical fixation?
Paul CAMERON, H SYED, Joideep PHADNIS (UNITED KINGDOM)
- 16:24 Treatment of mild and advanced cases of elbow OA with arthroscopic debridement and intra-articular hyaluronic acid injections
Srinath KAMINENI, Sathya ALLURI (UNITED STATES)
- 16:32 CT-scan assessment of both tuberosity healing after reverse shoulder arthroplasty for fracture: a 24-case series with a minimum one-year follow-up
Stanislas GUNST, Lucie LOUBOUTIN, Elvire SERVIEN, Laurent NOVE-JOSSERAND (FRANCE)
- 16:40 Tranexamic acid versus placebo in shoulder arthroplasty: a meta-analysis of randomised controlled trials
Nedal Jaber ALKHATIB, Abdullah SAAD A ABDULLAH, Abdulaziz AHMED, Mason ALNORI, Elhadi BABIKIR, Shamsi ABDUL HAMEED (QATAR)
- 16:48 Long term results of radialhead replacement – ‘when to do, how to do and what to do’
Anish AGARWALLA, Loveneesh Gopal KRISHNA (INDIA)
- 16:56 Low incidence of scapular notching in uncemented trabecular metal reverse shoulder system – 7-year results
Ashwanth RAMESH¹, Makaram NAVNIT², Kiran RAMESH², Andres BAUMAN², Makram SRINIVASAN²
¹(INDIA), ²(UNITED KINGDOM)
- 17:04 A novel position for antegrade humeral nailing
Madhusudhan Kumar UMMADISETTY, Ahmed Saif AL JAHWARI (OMAN)

Infections | Friday, 6 December | Grand Ballroom Hall C2

08:00 - 10:00

Free Paper Session – Infections 1

Moderator: Heinz WINKLER (AUSTRIA)

- 08:00 **Keynote lecture:** Internal fixation of infected nonunions: single-stage approach using antibiotic impregnated bone graft
Heinz WINKLER (AUSTRIA)
- 08:15 Identifying optimal therapy route and predictors of adverse outcomes in paediatric acute hematogenous osteomyelitis
Zaid ALHINA¹, Morvarid ELAHI², Billi FOO², Brian LEE², Kimberle CHAPIN², Penelope DENNEHY², Michael KOSTER², Pablo SANCHEZ², Ian MICHELOW²
¹(OMAN), ²(UNITED STATES)
- 08:23 Wrist tuberculosis in paediatric patients: our experience in 44 patients
Jatin PRAKASH (INDIA)
- 08:31 Nontuberculous mycobacterial phalange osteomyelitis in children and literature review
Xinhong PEI (CHINA)

- 08:39 Sternoclavicular tuberculosis: rare cause of incorrigible shoulder pain
Jatin PRAKASH (INDIA)
- 08:47 Reconstruction of extensive long bone defects by radial distraction osteogenesis and transplantation of the enhanced fibula
Matthias MILITZ, Andreas BACHMEIER, Peter THALLER, Uli SCHREIBER, Markus OEHLBAUER, Rainer BADER (GERMANY)
- 08:55 Bone quality in patients older than 60 years with chronic osteomyelitis of long bones of the lower limbs according to data of multi-slice computer tomography
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)
- 09:03 Surgical outcome of infected non-unions of long bones using monoplanar rail external fixator (LRS)
Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Manoj MEDINI, Dibya Singha DAS, Indranil DEY, Udit UPADHYAYA, Hemanta Kumar BAMIDI, Siddhartha Shankar MOHANTY (INDIA)
- 09:11 Long-term follow-up on post-operative diaphyseal osteomyelitis treated by custom-made antibiotic cement rod and sign nail
M Asraf UI MATIN, Syed ANWARUZAMAN (BANGLADESH)
- 09:19 Osteomyelitic cavities as a form of chronic osteomyelitis from viewpoint of roentgen morphology
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)
- 09:27 Resection with shortening as the most rational option for the treatment of infected false joints and defects of the femur and tibia
Ali KASHOUB¹, Alexander ARTEMIEV¹, Aleksander IVASHKIN¹, Sameh Nageeb HADDAD²
¹(RUSSIA), ²(OMAN)
- 09:35 Weber-cable-technique for treatment of osteomyelitis
Michael WEBER (UNITED ARAB EMIRATES)
- 09:43 Necrotising fasciitis of lower limbs (on 10 cases)
Gilbert Frank Olivier NGONGANG (CAMEROON)

10:30 - 12:00

SICOT Instructional Symposium – Periprosthetic Infection and Post-Traumatic Infection (I)

Moderators: Ferdinando DA RIN DE LORENZO (ITALY), Rihard TREBSE (SLOVENIA)

- 10:30 The algorithmic approach to diagnostics and treatment of prosthetic joint replacements
Rihard TREBSE (SLOVENIA)
- 10:38 Challenges of diagnosis of orthopaedic infections
Javad PARVIZI (UNITED STATES)
- 10:46 Single-stage exchange of infected total joint replacement
Heinz WINKLER (AUSTRIA)
- 10:54 Evaluation of metadiaphyseal fixation in massive bone defects in two-stage knee revision: clinical and radiological results of a new custom made device, titanium unit for bone epiphyseal reconstruction (TI.UBER)
Giorgio BURASTERO (ITALY)
- 11:02 Arthrodesis of the knee: when and what to do
Ferdinando DA RIN DE LORENZO (ITALY)
- 11:10 Halting periprosthetic joint infection at the doorstep: what evidence do we have?
Gholam Hossain SHAHCHERAGHI (IRAN)
- 11:18 Discussion
- 11:36 Imaging bone infections: an update
Ustun AYDINGOZ (TURKEY)
- 11:44 Prevention and treatment of post-traumatic infection
Khaled EMARA (EGYPT)

14:00 - 15:30

SICOT Instructional Symposium—Post-Traumatic Infection (II) and Tuberculosis of the Bone

Moderators: Ferdinando DA RIN DE LORENZO (ITALY), Ashok JOHARI (INDIA), Mohammed AL-AWLAQI (YEMEN)

- 14:00 Antibacterial hydrogel coating of implants in trauma: practical applications
Carlo ROMANO (ITALY)
- 14:08 New trends in combatting hospital infections at times of war
Mohammed AL-AWLAQI (YEMEN)
- 14:16 How much resection to do for bone transport
Alexander KIRIENKO (RUSSIA)
- 14:24 Orthoplastic options in post-traumatic leg bones and soft-tissue defects
Mohamed FADEL (EGYPT)
- 14:32 Discussion
- 14:42 An experience of about 700 operated cases of spinal tuberculosis
Shah ALAM (BANGLADESH)
- 14:50 Unusual localisation of skeletal tuberculosis
Ashok JOHARI (INDIA)
- 14:58 Tuberculosis after implant surgery: what is unique in diagnosing and preventing catastrophe
Vijay KHARIWAL (INDIA)
- 15:06 What's done is done: how to manage peri-implant infections when you cannot remove hardware after spinal resections
Gisberto EVANGELISTI (ITALY)
- 15:14 Posterior surgery for anterior thoracolumbar tuberculosis
Rohit AMRITANAND (INDIA)
- 15:22 Discussion

16:00 - 17:30

Free Paper Session—Infections 2

Moderators: Doron FRANTZEN (SOUTH AFRICA), Shekhar AGARWAL (INDIA)

- 16:00 Biofilm & orthopaedic practice
Manoj Kumar PATEL (INDIA)
- 16:08 Alpha-defensin (synovasure) test in prosthetic hip & knee infection-relevance in current practice
Akash SARAOGI¹, Naveen LOKIKERE², George PAVLOU², Henry WYNNJONES², Tim BOARD², Peter KAY²
¹(INDIA), ²(UNITED KINGDOM)
- 16:16 In vitro study of polymethylmethacrylate-based antibacterial coatings
Pavel VOLOTOVSKI, Dmitry TAPALSKI, Anna KOZLOVA, Alexandre SITNIK, Mikhail GERASIMENKO (BELARUS)
- 16:24 Knowledge vs attitude of orthopaedic surgeons regarding prosthetic joint infections
Mahmut Nedim AYTEKIN, Imran HASANOGLU, Nihat TOSUN (TURKEY)
- 16:32 Pro-implant foundation PJI treatment protocol in UHC Sestre Milosrdnice, Croatia
Tomislav CENGIC, Stjepan CURIC, Dejan BLAZEVIC, Slaven BABIC, Srecko SABALIC (CROATIA)

- 16:40 Total hip arthroplasty over chronic osteomyelitis
Ivan GEROV, Nikolay UZUNOV (BULGARIA)
- 16:48 A rare case of streptococcus moniliformis peri-prosthetic infection & literature review: a locally destructive infection with distant seeding to a prosthetic joint
Mohammed MONEM, Matthew SMALLBONES, Marina BAGANEANU, Rajesh SOFAT, Isra HAUSIEN (UNITED KINGDOM)
- 16:56 Efficacy of local antibiotic therapy in chronic bone infection
Biswajit SAHU, Alok PRUSTY (INDIA)
- 17:04 The need for better education of musculoskeletal disorders and exposure to orthopaedics at medical school – septic arthritis as a single disease view
George CROSS, Mohammed MONEM (UNITED KINGDOM)
- 17:12 Are we picking up all joint infections? A retrospective observational study of adherence to national guidelines on septic arthritis
George CROSS, Mohammed MONEM, Ramandeep SAINI, Savinda LIYANAGEDERA, Rajesh SOFAT, Spencer ELLIS (UNITED KINGDOM)

Miscellaneous | Friday, 6 December | Grand Ballroom Hall C3

07:00 - 08:00

SICOT Instructional Symposium—Tech-No Bones: The Positive Impact of Emerging Technologies in Emerging Nations

Moderators: Swapnil KENY (INDIA), Vaibhav BAGARIA (INDIA)

- 07:00 Role of intra-operative CT navigation to achieve precision in orthopaedic surgery
Raja Bhaskara Kanakeshwar RAJASEKARAN (INDIA)
- 07:08 My first robot: the key to choosing the right play mate
Vaibhav BAGARIA (INDIA)
- 07:16 Robosapiens: robotic alliances in the pursuit of safe spine surgery
Ram CHADDHA (INDIA)
- 07:24 Portable ultrasound for outpatient regional anaesthesia in foot and ankle surgery
Juan Agustin CORUNA (PHILIPPINES)
- 07:32 Virtual planning of skeletal deformity correction in children on hand-held portable devices
Swapnil KENY (INDIA)
- 07:40 Digital pills for better patient outcomes
Vas METUPALLE (SINGAPORE)
- 07:48 Discussion

08:00 - 10:00

SICOT Instructional Symposium—Medical Writing

Moderators: Marius SCARLAT (FRANCE), James WADDELL (CANADA)

- 08:00 **Keynote lecture:** The new era of evidence-based orthopaedics
Mohit BHANDARI (CANADA)
- 08:15 International Orthopaedics and the current status of SICOT publications
Marius SCARLAT (FRANCE)
- 08:27 Quality and relevance of your research
James WADDELL (CANADA)

- 08:39 The publisher's point of view
Gabriele SCHROEDER (GERMANY)
- 08:51 Reviewers, writers and quality of expression – what makes a good journal?
Cyril MAUFFREY (UNITED STATES)
- 09:03 Impact and citations, what is the power of a journal
Syed Muhammad AWAIS (PAKISTAN)
- 09:15 Visibility and quality of a research paper: what tools do we use?
Yong Cheng HU (CHINA)
- 09:27 Fraud and misconduct in medical writing
Andreas MAVROGENIS (GREECE)

10:30 - 12:00

SICOT Instructional Symposium – Reviewers' Workshop

Moderators: Andreas MAVROGENIS (GREECE), Cyril MAUFFREY (UNITED STATES)

- 10:30 Is a good author a good reviewer?
Phillipe HERNIGOU (FRANCE)
- 10:42 How to evaluate reviews and reviewers
Andreas MAVROGENIS (GREECE)
- 10:54 My preferred method to review a paper
Ali CHAMSEDDINE (LEBANON)
- 11:06 Open access publications and review procedure
Jing SUN (CHINA)
- 11:18 Impact and citations: what is the power of a journal?
Syed Muhammad AWAIS (PAKISTAN)
- 11:30 Continuous medical education through peer review
Mohammed ADAM (QATAR)
- 11:42 Special issues in orthopaedic journals: choosing the best reviewers
Thami BENZAKOUR (MOROCCO)

14:00 - 15:30

Best Papers Session

- 14:00 Bone remodelling with the C-stem polished triple-tapered implant: a 13- to 18-year follow-up study
David SOCHART (UNITED KINGDOM)
- 14:08 Pelvic obliquity after total hip arthroplasty: is it correctable completely?
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Mohamad javad ZEHTAB, Slavash MOLANAEI (IRAN)
- 14:16 What are the risk factors for failure after one-stage exchange for periprosthetic joint infection of the knee?
Mustafa CITAK, Hussein ABDELAZIZ, Eduardo SUERO, Jasmin FRIEDENSTAB, Akos ZAHAR, Thorsten GEHRKE (GERMANY)

- 14:24 Mechanical testing of a novel 3D-printed femoral stem under dynamic loading
Douglas UNIS, Sulaiman SOMANI, Nathan HO, Eddie EBRAMZADEH, Sophia SANGIORGIO (UNITED STATES)
- 14:32 Introduction of an innovative repair technique in type IV FDP tendon avulsions
Gabriel HALAT, Lukas NEGRIN, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTLE, Jochen ERHART, Patrick PLATZER, Stefan HAJDU (AUSTRIA)
- 14:40 Experience of SIGN Fin nail for treating femoral fractures
Kebba MARENAH, Bintou TRAWALLY (GAMBIA)
- 14:48 Role of Ganga Hospital Open Injury Severity Score (GHOISS) in prognosticating the functional outcomes in open tibial fractures – a prospective study of 108 cases
Devendra AGRAHARAM, Jayaramaraju DHEENADHAYALAN, Shanmuganathan RAJASEKARAN (INDIA)
- 14:56 Evaluating the effectiveness of learning and quality improvement in orthopaedics
Epaminondas VALSAMIS¹, Mohamed SUKEIK²
¹(UNITED KINGDOM), ²(SAUDI ARABIA)
- 15:04 A meta-analysis of clinical success rates following meniscal repair of ramp lesions and horizontal, radial, and root tears
Diarmuid DE FAOITE¹, Robbie DUERR², Rachel BARROW³, Amir KAMALI³
¹(SWITZERLAND), ²(UNITED STATES), ³(UNITED KINGDOM)
- 15:12 Regional blood flow changes in various body regions associated with reperfusion injury in a standardised animal model
Sascha HALVACHIZADEH, Michel TEUBEN, Yannik KALBAS, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)

16:00 - 17:30

SICOT Instructional Symposium – Injury Prevention & Road Safety Symposium - Road Traffic Injury Prevention: How can the Orthopaedic Community Reduce the Burden of Road Traffic Accidents?

Moderators: Mohamed DARWISH (OMAN), Guenter LOB (GERMANY)

- 16:00 Road safety in Oman
Mohamed AWADH AL RAWAS (OMAN)
- 16:10 Hospital networks can provide a better outcome for the injured
Hans-Christoph PAPE (SWITZERLAND)
- 16:20 RTI in Saudi Arabia: impact and ways of prevention
Hazem ALKHAWASKI (SAUDI ARABIA)
- 16:30 The experience of a national Iranian traffic knowledge development trustee
Amir Mohammad NAVALI (IRAN)
- 16:40 Activities in Morocco to lower the number of road traffic injuries
Thami BENZAKOUR (MOROCCO)
- 16:50 New technologies to prevent RTI: tools to support this public political issue
Marcos MUSAFIR (BRAZIL)
- 17:00 Reduction of road traffic fatalities from 22,000 to 3,000 in 40 years: the part of the German Trauma Society
Guenter LOB (GERMANY)
- 17:10 The WHO Decade of Action for Road Safety 2011–2020
Önder AYDINGOZ (TURKEY)
- 17:20 Discussion

07:00 - 08:00

Short Free Paper Session—Knee 2

Moderators: Ashok RAJGOPAL (INDIA), Alberto CARLI (UNITED STATES)

- 07:00 Total knee arthroplasty in varus knee: the importance of tibial cut
Seyed Mohammad Javad MORTAZAVI (IRAN)
- 07:05 An intraoperative study of distal femur aspect ratio in Indian patients and its comparison with newly available knee systems
Jigar DESAI, Shrinand VAIDYA (INDIA)
- 07:10 The operative recovery and time of hospitalisation optimisation pathway (ORTHOP) for patients with DePuy Sigma fixed-bearing cemented unicompartmental knee arthroplasty
Mohamed Reda Mohamed ABDELMONEM, Alex CHOWDHURY, Lucy WALKER, Wilcocks KATHARINE, Kate SHEAN, Stephen VEITCH, Leonidas VACHTSEVANOS (UNITED KINGDOM)
- 07:15 TKA with PSI: clinical and X-ray alignment evaluation
Andrea COLOMBELLI, Federico POLIDORO, Carlotta PARI, Stefania PADERNI, Yousef RIZQALLAH, Alberto BELLUATI (ITALY)
- 07:20 Meta-analysis of gait post total knee arthroplasty
Pratham SURYA, Adrian HARVEY (UNITED KINGDOM)
- 07:25 Mobile versus fixed bearing total knee replacement: systematic review of randomised controlled trials
Munnan AL-NAJJIM, Lilal AHMED, Sabur MALEK (UNITED KINGDOM)
- 07:30 Fast-track bilateral total knee arthroplasty: factors contributing to earlier discharge
Zachary POST, Eric BUXBAUM, Melissa MEYER, Danielle PONZIO, Fabio OROZCO, Alvin ONG (UNITED STATES)
- 07:35 Safety of simultaneous bilateral total knee replacement surgery in patients over the age of 75 years
Saurabh TALEKAR, Vijay D SHETTY, Aditya KAJA, Ashutosh DONGRE (INDIA)
- 07:40 Simultaneous bilateral knee replacement – functional results
Nithin SUNKU (INDIA)
- 07:45 Total knee arthroplasty in patients older than 80 years: is cementless mobile bearing TKA a valid option?
Fabio CONTEDEUCA, Valerio ANDREOZZI, Ferdinando IANNOTTI, Raffaele IORIO, Daniele MAZZA, Andrea FERRETTI (ITALY)
- 07:50 Correlation analysis of the anterolateral ligament length with the anterior cruciate ligament length and patient's height
Gloria HOHENBERGER, Marco MAIER, Angelika SCHWARZ, Peter GRECHENIG, Peter WEIGLEIN, Renate KRASSNIG, Andreas LEITHNER, Patrick SADOGLI, Gerwin Alexander BERNHARDT (AUSTRIA)

08:00 - 10:00

Free Paper Session—Knee 3

Moderators: Dariush SAVADKOOHI (IRAN), Yousef OTHMAN (JORDAN)

- 08:00 **Keynote lecture:** Patellofemoral replacement: is it worth it?
Phil TURNER (UNITED KINGDOM)

- 08:15 5-year results from the Swedish Knee Osteotomy Register
Annette W-DAHL, Martin SUNDBERG, Lars LIDGREN, Otto ROBERTSSON (SWEDEN)
- 08:23 Accuracy of the tibial component positioning in robotic arm assisted vs conventional UKR: a comparative radiographic study
Jaithilak KAILATHUVALAPIL, Mohan THADI, K PRAJWAL, Anubhav SHARMA (INDIA)
- 08:31 Management of large bone defects around the knee using porous tantalum trabecular metal cones during complex primary and revision total knee arthroplasty
Inayat PANDA, Ashok RAJGOPAL (INDIA)
- 08:39 Predictors of patient satisfaction following unicompartmental knee arthroplasty
Koji TAKAYAMA, Tomoyuki MATSUMOTO, Kazunari ISHIDA, Yoshinori TAKASHIMA, Tomoyuki KAMENAGA, Masanori TSUBOSAKA, Shingo HASHIMOTO, Shinya HAYASHI, Ryosuke KURODA (JAPAN)
- 08:47 Biplanar medial opening wedge high tibial osteotomy for early osteoarthritis of knee - the South Indian experience
Deepak KAKI (INDIA)
- 08:55 Application of 3D printed patient-specific instrumentation (PSI) in high tibial osteotomy (HTO)
Frank Yaw TAKYI-APPIAH¹, Zheng WANG², Xicheng LI²
¹(GHANA), ²(CHINA)
- 09:03 Long term results and radiographic analysis of metaphyseal supported sleeved revision hinge knee prosthesis
Thomas DEVASIA, Richard SPENCER-JONES, John PAUL WHITTAKER (UNITED KINGDOM)
- 09:11 Weight bearing in medial opening wedge high tibial osteotomy: early or delayed?
Manoj Kumar PATEL (INDIA)
- 09:19 Does robotic unicompartmental knee arthroplasty have a learning curve for accuracy of implant positioning? A prospective cohort study
Atif AYUOB, Babar KAYANI, Sujith KONAN, Sumon HUQ, Jenni TAHMASSEBI, Fares HADDAD (UNITED KINGDOM)
- 09:27 Bilateral HTO in the same sitting: perioperative challenge or feasible option?
Hemant Kumar Ugrasen SINGH (UNITED KINGDOM)
- 09:35 Autologous Collagen Induced Chondrogenesis (ACIC®: Shetty-Kim technique): micro-scaffold augmented microdrilling for articular cartilage repair - a six-year follow-up study
Arjun NAIK¹, Karan JAGGI¹, Ananthram SHETTY¹, David STELZENEDER², Seok-Jung KIM³
¹(UNITED KINGDOM), ²(AUSTRIA), ³(SOUTH KOREA)
- 09:43 Weight dynamics in patients with morbid obesity with total knee arthroplasty
Andrey GRITSYUK, Alexey LYCHAGIN (RUSSIA)

10:30 - 12:00

SICOT Instructional Symposium—TKA in Young Active Patients

Moderators: Maximilian RUDERT (GERMANY), Dariush GOURAN SAVADKOOHI (IRAN)

- 10:30 Unicompartment replacement: indications
Francesco FALEZ (ITALY)
- 10:38 Bi-cruciate replacements
Maximilian RUDERT (GERMANY)
- 10:46 Revising the uni: what are the outcomes?
Shrinand V VAIDYA (INDIA)
- 10:54 CAS in the young adult total knee arthroplasty
Ajeya ADHIKARI (UNITED KINGDOM)

- 11:02 Role of vitamin E poly in survivorship of total knee arthroplasty
Maximilian RUDERT (GERMANY)
- 11:10 Does choice of surface coatings influence outcomes of TKA?
Matthew MORREY (UNITED STATES)
- 11:18 Role of technology in TKA in the young patient: do they improve outcomes?
Mojleb MANZARY (SAUDI ARABIA)
- 11:26 Discussion

14:00 - 15:30

SICOT Instructional Symposium—Complex TKR

Moderators: Ashok RAJGOPAL (INDIA), Shrinand VAIDYA (INDIA)

- 14:00 Management of flexion deformity
Shekhar AGGARWAL (INDIA)
- 14:09 Management of fixed valgus deformity
Vivek DAHIYA (INDIA)
- 14:18 Management of severe varus deformity
Philippe NEYRET (FRANCE)
- 14:27 Management of extra articular deformity
Shekhar AGGARWAL (INDIA)
- 14:36 Total knee arthroplasty in stiff knee
Francesco FALEZ (ITALY)
- 14:45 Total knee arthroplasty in obese patients
Ashok RAJGOPAL (INDIA)
- 14:54 Total knee arthroplasty in patients with Parkinsons
Fare E SAYEGH (LEBANON)
- 15:03 Pain management in total knee arthroplasty
Parag SANCHETI (INDIA)
- 15:12 Discussion

16:00 - 17:30

Free Paper Session—Knee 4

Moderators: Vijay SHETTY (INDIA), Phil TURNER (UNITED KINGDOM)

- 16:00 Tourniquet versus no tourniquet in total knee arthroplasty
Junaid KHAN, Riaz AHMED (PAKISTAN)
- 16:08 Sleep pattern disturbances in patients undergoing total knee arthroplasty
Hitesh MANGUKIYA, Sharan PATIL, Ravikumar MUKARTIHAL (INDIA)
- 16:16 Functional performance after physiotherapy in robotic-arm assisted versus conventional total knee arthroplasty in a female outpatient set up: a retrospective cohort study
Rashmi M KALAYIL, Pramod DIVAKARA SHENOY, Roy MATHEW, Sharon FILIO MENDEZ, Chandra IYER, Mohammed Mubarak AL ATEEQ AL DOSARI, Shamsi ABDULHAMEED, Aissam ELMHIREGH, Arun SAMUEL AUGUSTINE (QATAR)

- 16:24 Foot loading pattern and hind foot alignment are restored in varus knees following total knee arthroplasty: a pedobarographic analysis of 121 knees
Bhaskara Kanakeshwar RAJA, Rajkumar NATESAN, P DHANASEKARA RAJA, Shanmuganathan RAJASEKARAN (INDIA)
- 16:32 Comparison of effectiveness of intra-articular, intravenous and topical wash tranexamic acid in total knee arthroplasty
Jatin PRAKASH (INDIA)
- 16:40 Can we predict leg length change (LLC) after unilateral total knee arthroplasty (TKA)?
Ahmed KHALIFA¹, Abanoub GENDY¹, Hatem BAKR¹, Ahmed AHMED¹, Yaser KHALIFA¹, Ahmed ABDEL-AAL¹, Arun MULLAJI² (EGYPT), ²(INDIA)
- 16:48 Epsilon-aminocaproic acid versus tranexamic acid in total knee arthroplasty: a meta-analysis study
Raees VANKER, Osman RIAZ, Adeel AQIL, Samir ASMAR, James HAHNEL, Christopher BREW, Richard GROGAN, Graham RADCLIFFE (UNITED KINGDOM)
- 16:56 Steroids reduce rates of early post-operative postural hypotension after total knee arthroplasty
Hui Min Gloria CHENG, Muhammad Fadzil KAMARUDIN, Wei Wen Bryan LEE, Jia Min Julia CHENG, Guoping Kelvin TAN (SINGAPORE)
- 17:02 What is the real reason of pain after primary TKA?
Valeriy Y MURYLEV, Semen ALEXEEV, Pavel ELIZAROV, Grigori KUKOVENKO, Alexey DERING (RUSSIA)

Spine | Friday, 6 December | Junior Ballroom B

08:00 - 10:00

Free Paper Session—Spine 3

Moderators: Thami BENZAKOUR (MORROCO), Dadi JIN (CHINA)

- 08:00 **Keynote lecture:** The spine, hip and knee syndrome: how to differentiate the primary source of pain?
Azmi HAMZAOGLU (TURKEY)
- 08:15 Incorporating active vertebral apex correction (APC) alongside guided growth technique for controlling spinal deformity in growing children: a modified Shilla technique
Alaa Azmi AHMAD¹, Aakash AGARWAL², Loai AKER¹ (PALESTINE), ²(UNITED STATES)

- 08:23 Does fresh whole blood improve the clinical outcome and serological parameters better than blood components transfusion in major spine surgeries? – a prospective randomised study
Keerthivasan PANNEERSELVAM, Shanmuganathan RAJASEKARAN, Ajoy Prasad SHETTY, Rishi Mugesh KHANNA (INDIA)
- 08:31 Research on global sagittal postural patterns of asymptomatic Chinese adults
Pan-Pan HU, Miao YU, Xiao-Guang LIU (CHINA)
- 08:39 Unilateral posterior lumbar interbody fusion for coronal balance correction in patients with degenerative lumbar scoliosis
Sitthirat THONGSUKKAE0, Pawin GAJASENI, Chaisiri CHAICHANKUL (THAILAND)
- 08:47 SULT1C2A-miR-466c-5p-Foxo4 in congenital scoliosis
Chong CHEN, Yunbing CHANG, Guoyan LIANG, Qiujuan ZHENG (CHINA)
- 08:55 Neurological deficit in delayed presentation of congenital vertebral deformities (CVD) – an analysis of risk factors and surgical outcome
Rajesh RAJAVELU, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJASEKARAN (INDIA)
- 09:03 Comparison of dual surgeon versus single surgeon approach for scoliosis surgery: a systematic review and meta-analysis
Joshua HAYES, Iain FEELEY, Kyle BORAIN, Conor O'BRIEN, Conor GREEN (IRELAND)
- 09:11 Pelvic incidence-lumbar lordosis mismatch less than 10 degrees (PI-LL<10) has limited applicability as a criterion of adult sagittal spinal deformity (ASD) correction
Christopher KLECK, Vikas PATEL, Christopher CAIN, David CALABRESE, Andriy NOSHCHENKO, Evalina BURGER (UNITED STATES)
- 09:19 Outcome of minimally invasive scoliosis surgery in adolescent idiopathic scoliosis
Jawad SALEEM, Shahid ALI, Atiq DURRANI (PAKISTAN)
- 09:27 Long-term evaluation of fusion rates in thoraco-scope-assisted minimal invasive (MIS) anterior interbody spinal fusion
**Nirmal PATIL¹, Hussien EL GHAIT², Heinrich BOEHM³
¹(INDIA), ²(EGYPT), ³(GERMANY)**
- 09:35 Axial plane characteristics of primary thoracic (Lenke 1) scoliosis
**Tamas ILLES¹, Fabien LAUER², François LAVASTE², Jean DUBOUSSET²
¹(BELGIUM), ²(FRANCE)**
- 09:43 Comparison of complications and clinical outcomes of primary and revision surgery in patients with adult spinal deformity with sagittal imbalance using combined anterior and posterior procedure
Whoan Jeang KIM, Dae Geon SONG, Yeon Seung MIN, Jae Won LEE, Kun Young PARK, Shann Haw CHANG, Won Sik CHOY, Chang Hwa HONG (SOUTH KOREA)

10:30 - 12:00

SICOT Instructional Symposium—Motion Preservation

Moderators: Christopher KLECK (UNITED STATES), Arvind BHAVE (INDIA), Mohamed DARWISH (OMAN)

- 10:30 Adjacent segment disease: the gravity of the problem; is motion preservation the best solution as of today?
Ram CHADDHA (INDIA)
- 10:42 Cervical laminoplasty
Jong-Beom PARK (SOUTH KOREA)
- 10:54 Disc replacement and spine motion preservation: past, present and future
Christopher CAIN (UNITED STATES)

- 11:06 Lumbar technique: patient selection, surgical pearls and pitfalls
Evalina BURGER (UNITED STATES)
- 11:18 Lumbar dynamic templating with finite element modelling
Christopher CAIN (UNITED STATES)
- 11:30 Cervical technique: patient selection, surgical pearls and pitfalls
Ahmed AL JAHWARI (OMAN)
- 11:42 Motion preservation successes and failures
Vikas PATEL (UNITED STATES)

14:00 - 15:30

SICOT Instructional Symposium—Thoracolumbar Deformity

Moderators: Christopher CAIN (UNITED STATES), Azmi HAMZAOGLU (TURKEY)

- 14:00 Standard of care/current status of treatment/safety
John DORMANS (UNITED STATES)
- 14:11 Update on measurements, parameters, goals of surgery
Christopher KLECK (UNITED STATES)
- 14:22 Early onset scoliosis and current treatment methods
Alaa AHMAD (PALESTINE)
- 14:33 Spinal tethering surgery in scoliosis treatment
Mohammad DIAB (UNITED STATES)
- 14:44 Management of post-tuberculosis spinal deformity
Rohit AMRITANAND (INDIA)
- 14:55 Advanced techniques: osteotomies
Evalina BURGER (UNITED STATES)
- 15:06 Advanced techniques: vertebrectomy
Azmi HAMZAOGLU (TURKEY)
- 15:17 Advanced techniques: navigation, robotics, etc
Lin CONG (CHINA)

16:00 - 17:30

Free Paper Session—Spine 4

Moderators: Cody BUNGER (DENMARK), Aju BOSCO (INDIA)

- 16:00 A comparative analysis of bone strain in pullout vs toggle pedicle screw testing
Christopher CAIN, Michaela POTT, Reed AYRES, Michelle AKIYAMA, Todd BALDINI, Zachary WUTHRICH, William MCCLELLAN, Vikas PATEL, Evalina BURGER, David OU-YANG, Nolan WESSEL, Christopher KLECK (UNITED STATES)
- 16:08 Unfolding the outcomes of surgical treatment of lumbar spinal stenosis – a prospective 5- and 10-year follow-up study
**Olavi AIRAKSINEN¹, Marinko RADE², Aalto TIMO¹, Heikki KRÖGER¹, Ville LEINONEN¹, Hannu MIETTINEN¹, Iina TUOMAINEN¹
¹(FINLAND), ²(CROATIA)**
- 16:16 Can we predict adverse outcomes in lumbar fusion for primary degenerative disorders? A modified frailty index based study
Pramod SUDARSHAN, Alok MOOGALI, Gowrishankar SWAMY (INDIA)
- 16:24 Outcome assessment of posterior lumbar interbody fusion (PLIF) and transforaminal lumbar interbody fusion (TLIF) in spondylolisthesis
Sakeb NAJMUS (BANGLADESH)

- 16:32 Association of lumbar spinal stenosis with disability or mortality among community-dwelling older adults: the Locomotive Syndrome And Health Outcomes In The Aizu Cohort Study (LOHAS)
Yasukazu HIJIKATA (JAPAN)
- 16:40 Surgical outcome of decompression and fixation of degenerative lumbosacral spondylolisthesis surgery in a Pakistani population
Muhammad TAHIR, Lal REHMAN, Ali AFZAL (PAKISTAN)
- 16:48 How useful is sedimentation sign for the diagnosis and the outcome of surgical treatment?
Thamer HAMDAN (IRAQ)
- 16:56 Follow-up comparative study of absorbable suture failure of the nuchal ligament in the early post-operative period after cervical laminoplasty
Yuma ONISHI, Teruo KITA, Hiroshi TANIWAKI, Kazushi TAKAYAMA, Hideki SAKANAKA, Yoshiki YAMANO (JAPAN)
- 17:04 Application of cervical arthroplasty using Mobi-C for cervical spondylotic radiculopathy
Dadi JIN, Huibo YAN (CHINA)
- 17:12 'AJMI' grading system for cervical myelopathy
Qasim AJMI (UNITED KINGDOM)

Short Free Papers | Friday, 6 December | Meeting Room 8

08:00 - 10:00

Short Free Paper Session—Research

Moderators: El Hadji IBRAHIMA HAMET DIOP (SENEGAL), Emal WARDAK (AFGHANISTAN)

- 08:00 Long segment bone lengthening of the femur with mono-lateral frames
Ahmad ALLAM, Saied MOHAMMADY, Amr EL GAZZAR (EGYPT)
- 08:05 Long-term follow-up results of final fusion surgery after growing rod treatment in children with progressive scoliosis
Hak Sun KIM, Jaeho YANG (SOUTH KOREA)
- 08:10 Comparing axial stiffness of Worland type C periprosthetic humerus fractures treated with 14 holes small fragment locking compression plate (LCP) transfixated with either 3 cerclage wires or 1 cerclage wire and 2 screws
Afif HARB, Bastian WELKE, Emmanouil LIODAKIS, Christin KRETTEK, Christof HURSCHLER, Nael HAWI (GERMANY)
- 08:15 Effectiveness of sealant versus dural closure for the treatment of cerebrospinal fluid leakage: a meta-analysis
Cong LIN (CHINA)
- 08:20 Tourniquet use in orthopaedic surgery: a survey study among Algerian orthopaedic surgeons
Nadhir MERAGHNI, Mohamed DERRADJI, Riad BENKAIDALI, Abderrezak CHOUITI, Rachid NEMMAR, Zoubir KARA (ALGERIA)
- 08:25 Establishing successful clinical research networks in orthopedics and trauma: what does the literature have to say?
**Diarmuid DE FAOITE¹, Amir KAMALI², John WATSON³, Beate HANSON¹
¹(SWITZERLAND), ²(UNITED KINGDOM), ³(UNITED STATES)**
- 08:30 Morphometric analysis of cervical spine vertebrae pedicle using computed tomography in a South Indian population
Manohar TH MANOHAR (INDIA)
- 08:35 Digital technologies in the differential diagnosis of benign and malignant bone tumours
Gennady BERCHENKO (RUSSIA)

- 08:40 Increase of human growth by lengthening of lower extremities: opportunities, problems, prospects
**Ali Masoud KASHOUB¹, Alexander ARTEMIEV¹, Sameh Nageeb HADDAD², Georgiy GULULYAN¹, Zaur BYTDAEV¹
¹(RUSSIA), ²(OMAN)**
- 08:45 An economic analysis of PICO single-use negative pressure wound therapy compared to conventional dressings in reducing surgical site infections following orthopaedic surgery
**Diarmuid DE FAOITE¹, Leo NHERERA², Sanjay VERMA², Christopher SAUNDERS², Amir KAMALI²
¹(SWITZERLAND), ²(UNITED KINGDOM)**
- 08:50 Is fever unnecessarily delaying hospital discharge after total joint arthroplasty?
Zachary POST, Andres DUQUE, Fabio OROZCO, Adriana MORA, Jason COHEN, Danielle PONZIO, Alvin ONG (UNITED STATES)
- 08:55 Association of vitamin-D deficiency and knee osteoarthritis in young Indian patients
Sujit TRIPATHY, Mangaraj MANASWINI (INDIA)
- 09:00 Adipose derived stem cells (ADSCS): viability and cell composition characterisation from fresh isolated tissue samples
Fabio Valerio SCIARRETTA, Silvana CAMPISI, Carella CINTIA, Sanchez MASSIMO (ITALY)
- 09:05 To evaluate the functional outcome of platelet rich plasma infiltration in plantar fasciitis
Pankaj Kumar SHARMA, Raj POTALIA (INDIA)
- 09:10 Cameras in operative training: the trainee and medicolegal perspective
Humza OSMANI, Jason SIBBEL, Jim GRAY (UNITED KINGDOM)
- 09:15 The proteomic signature of nucleus pulposus in human foetal intervertebral discs
Sri Vijay Anand KS, Shanmuganathan RAJASEKARAN, Chitraa TANGAVEL, Dilip Chand Raja S, Sharon MIRACLE NAYAGAM, Monica Steffi MATCHADO, Raveendran M, Dharmalingam K, Ajoy SHETTY, Rishi Mugesh Kanna P (INDIA)
- 09:20 Inflammaging is the key factor dissecting the molecular mechanisms between biological ageing and disc degeneration
Sri Vijay Anand KS, Shanmuganathan RAJASEKARAN, Chitraa TANGAVEL, Dilip Chand Raja S, Sharon MIRACLE NAYAGAM, Monica Steffi MATCHADO, Raveendran M, Ajoy SHETTY, Dharmalingam K, Rishi Mugesh Kanna P (INDIA)
- 09:25 Sensory nerve protects from the progression of osteoarthritis at early stage in mice
Zong-Ping LUO, Yijie SHAO, XI CHEN (CHINA)
- 09:30 Do different Wiberg patella types affect the Arc of Safety?
Cheryl Marise Peilin TAN, Zhi Hong CHEW, James Sir Young LOH (SINGAPORE)
- 09:35 Combining bisphosphonates with calcitonin and alone in treating osteoporosis – a comparison
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

10:30 - 12:00

Short Free Paper Session—Foot & Ankle

Moderators: Philipp FUNOVICS (AUSTRIA), Arvind PURI (INDIA)

- 10:30 2-5 year results after minimally invasive reconstruction of the Achilles tendon with semitendinosus tendon transfer
Hajo THERMANN, Ahmed SHOKRY, Ahmed HEGAZI (GERMANY)
- 10:35 Additional akin proximal phalanx procedure has limited effect on outcome of scarf osteotomy for hallux valgus surgery
Marcin MILCZAREK, Nowak KRZYSZTOF, Tomasik BARTLOMIEJ, Milczarek JULIA, Domzalski MARCIN (POLAND)

- 10:40 Timing of surgical reduction and stabilisation of talus fracture-dislocations
Manoj MITTAL (INDIA)
- 10:45 Functional outcome of single-stage correction of paralytic rigid equinovarus deformities
Deepak SHARAN (INDIA)
- 10:50 Weber-TCNC-arthrodesis – ultima ratio in different talar pathology
Michael WEBER (UNITED ARAB EMIRATES)
- 10:55 Observation on the curative effect of calcaneal longitudinal osteotomy in the treatment of malunion of calcaneal fracture
Chun-Guang LI, Xiang Yang XU (CHINA)
- 11:00 Retrograde drilling and autologous cancellous bone grafting technique for osteochondral lesion of the talus
Guangrong YU (CHINA)
- 11:05 Comparison of partially threaded and fully threaded 4mm cancellous screws in fixation of medial malleolar fractures: a randomised clinical trial
Seyed Hadi SEYED HOSEINIAN, Farshid BAGHERI, Sogol GOLSHAN, Mohammad Hosein EBRAHIMZADEH (IRAN)
- 11:10 Peroneal tendon dislocation in talus fractures and diagnostic value of fleck sign
Ahmed ATTIA, Karim KHAMIS, Tarek TAHA, Osama ALDAHAMSHEH, Maged MEKHAIMAR (QATAR)
- 11:15 Ten years post compression arthrodesis in infected diabetic Charcot ankle joint
Ahmad ALLAM (EGYPT)
- 11:20 Treatment options for unstable ankle fractures in older adults: a systematic review and meta-analysis
Catrin WIGLEY, Andrew GRAZETTE, Andrew METCALFE (UNITED KINGDOM)
- 11:25 Correction of valgus-external rotation deformity in neglected fractures of the ankle
Satya Ranjan PATRA, Dibya Singha DAS, Naresh Kumar PANIGRAHI, Manoj MADINI, Udit UPADHYAYA, Indranil DEY, Siddhartha Shankar MOHANTY, Hemanta Kumar BAMIDI (INDIA)
- 11:30 Displaced intra-articular calcaneal fractures – open reduction and internal fixation versus primary subtalar fusion: a retrospective cohort study
Brady BONNER, William BRYCESON, Arvind PURI (AUSTRALIA)
- 11:35 To weight-bear or not to weight-bear? The ankle fracture fixation question
Jonathon BLACK (UNITED KINGDOM)
- 11:40 Platelet rich plasma for treatment of osteochondral lesions of the talus: a systematic review of clinical trials
**Oliver Emmanuel YAUSEP¹, Sameera ABAS², Madhi IMAD², Dionysios TRIGKILIDAS²
¹(INDONESIA), ²(UNITED KINGDOM)**
- 11:45 An evaluation of regional anaesthesia in patients undergoing forefoot surgery
Bryan LOH, Nicholas Eng Meng YEO, Sze Ying THONG (SINGAPORE)
- 11:50 Regardless of the previous physiotherapy, ESWT is effective in the treatment of plantar fasciitis in the midterm
Marcin DOMZALSKI, Joanna KAPUSTA, Patrycja SZKUTNIK, Ilona WAGNER-OLSZEWSKA (POLAND)

14:00 - 15:30

Short Free Paper Session – Tumours

Moderators: Sediq BEN DALLA (LIBYA), Nedim AYTEKIN (TURKEY)

- 14:00 Lumbar endoprosthesis reconstruction after periacetabular tumour resection: mid-term results
Bulent EROL, Evrim SIRIN, Mert Osman TOPKAR, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)
- 14:05 Non-vascularized fibular strut grafting in benign lytic lesion of proximal femur
Manoj MADINI, Hemanta Kumar BAMIDI, Satya Ranjan PATRA, Dibya Singha DAS, Naresh Kumar PANIGRAHI, Indranil DEY, Udit UPADHYAYA, Siddhartha Shankar MOHANTY (INDIA)
- 14:10 High efficacy of combination therapy of mTOR inhibitor and VEGFR inhibitor against doxorubicin resistant osteosarcoma using patient-derived orthotopic xenograft model
**Hirokichi OSHIRO¹, Tasuku KIYUNA¹, Hiroki MAEHARA¹, Robert HOFFMAN², Yasunori TOME¹
¹(JAPAN), ²(UNITED STATES)**
- 14:15 Osteoblastoma in children and adolescents: analysis of 57 patients
Anton FRANTOV, Gennady BERCHENKO, Ilya KRAVYETS (RUSSIA)
- 14:20 Outcomes of minimally invasive spine surgery for spinal metastasis
Amith Ram RAMASAMY, Karthik KAILASH (INDIA)
- 14:25 The IlluminOss photodynamic bone stabilization system for pathological osteolysis and fractures of the humerus: indications, advantages and limits in a series of 12 patients and 13 procedures at mid-term follow-up
Carmine ZOCCALI, Jacopo BALDI, Alessandra SCOTTO DI UCCIO, Nicola SALDUCCA, Roberto BIAGINI (ITALY)
- 14:30 50 cases experience in treatment aneurysmal bone cysts treated by extended curettage, cryosurgery and bone grafting
Osman Abd Ellah MOHAMED (EGYPT)
- 14:35 Recurrence rate after treatment of aneurysmal bone cyst with intralesional procedures and adjuvant therapy at paediatric age group
Mohammad AL-ALWAN (JORDAN)
- 14:40 Free fibula reconstruction of distal tibial osteoarticular defects after sarcoma surgery
Bulent EROL, Evrim SIRIN, Ozgur BAYSAL, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)
- 14:45 Low-dose zoledronate for local delivery to patient-derived spinal bone metastasis secondary to lung cancer
Elle AKOURY, Pouyan AHANGAR, Ana Sofia RAMIREZ GARCIA LUNA, Michael WEBER, Derek ROSENZWEIG (CANADA)
- 14:50 Mixed bone grafting (autograft + hydroxyapatite crystals) in the management of benign lytic lesions of bone: a prospective study
Iftekhar ANSARI (INDIA)
- 14:55 Local recurrence in bone sarcoma treatment and results in 55 cases
Reda HARRAR, Chafiza GRARADJ, Kamel ACHOUR, Mourad HAMIDANI, Kamel ACHOUR, Mourad OUBIRA, Abdelhalim OULD ROUIS (ALGERIA)
- 15:00 Management of giant cell tumor of lower third tibia with curettage and reconstruction by cementation and locking plate: a case report
Vipul SHET, Eknath PAWAR, Amit YADAV, Akash SARAOGI, Ankit MARFATIA, Sandeep GAVHALE (INDIA)
- 15:05 Giant cell tumor with secondary aneurysmal bone cyst of the patella: a case report
Sujit TRIPATHY, Doki SUNIL, Velagada SANDEEP (INDIA)

16:00 - 17:30

Short Free Paper Session – Sports Medicine 2

Moderators: Stephen MCDONNELL (UNITED KINGDOM), Teo Seow HUI (MALAYSIA)

- 16:00 Comparing clinical outcome with the patient-reported outcome and their relation with patient satisfaction following primary anterior cruciate ligament reconstruction
Manesh JAIN, Surendra KAMATH (INDIA)
- 16:05 Can a bioactive glass containing screw be used for anterior cruciate ligament graft fixation? Prospective study on 108 patients
Andre FERREIRA, Philippe D'INGRADO (FRANCE)
- 16:10 Corticosteroid injections in adhesive capsulitis of shoulder: a systematic review of randomised clinical trials
Alok AGGARWAL (INDIA)
- 16:15 Less than 9.5mm coracohumeral distance predicts for subscapularis tear
Kilian RUECKL, Stefan HERZ, Mohammed El TABBAKH, Thomas REICHEL, Thorsten BLEY, Piet PLUMHOFF (GERMANY)
- 16:20 Alternations in serratus anterior electromyographic activity in preadolescent swimmers with a history of shoulder pain
Marcin DOMZALSKI, Joanna KOWALSKA, Patrycja SZKUTNIK, Magdalena FRONCZEK-WOJCIECHOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)
- 16:25 Does virtual reality simulation have a role in training trauma and orthopaedic surgeons?
Raymond MCKENNA, Dessie GIBSON, John WONG-CHUNG (UNITED KINGDOM)
- 16:30 Anthropometric correlation with hamstring graft size in anterior cruciate ligament reconstruction among male patients: a prospective cohort study
Ghalib AHMED AL HANEEDI, Isam MOGHAMIS, Yousef ABUODEH, Ali DARWICHE, Al Ateeq Al Dosari MOHAMMAD, Talal IBRAHIM (QATAR)
- 16:35 Injuries in underwater rugby
Max Daniel KAUTHER, Felicitas MINNEMANN, Manuel BURGGRAF, Christina POLAN, Lothar MEYER, Felix REINECKE, Kai GÖDDE, Marcel DUDDA (GERMANY)
- 16:40 Incidence of venous thromboembolism post hip arthroscopy
Terin THOMAS, Ravindra GUDENA (UNITED KINGDOM)
- 16:45 Avoid postoperative bracing, reduce ACL rerupture rates
Arjun NAIK, Bishwaranjan DAS, Yogeesh KAMAT (INDIA)
- 16:50 Aperture vs suspensory devices for the tibial side fixation in single bundle anatomic anterior cruciate ligament reconstruction using quadrupled hamstring tendon graft
Madhusa JAYASEKARA, Dilshan MUNIDASA (SRI LANKA)
- 16:55 Dynamic intraligamentary stabilisation for primary repair of acute anterior cruciate ligament rupture: early results from the east of England
Kenan KURSUMOVIC, Sophie PERRIO, Willem SCHENK, Andrew DUNN (UNITED KINGDOM)
- 17:00 Clinical outcome after anterior cruciate ligament reconstruction using hamstring tendon autograft: a prospective study with 6 months follow-up
Matjaz SAJOVIC (SLOVENIA)
- 17:05 Do patients with a frozen shoulder and concomitant partial rotator cuff tear benefit from rotator cuff repair?
Winston Shang Rong LIM, Amit Kanta MITRA, Paul Chee Cheng CHANG (SINGAPORE)
- 17:10 Internal bracing of quadriceps tendon ruptures: a novel technique for primary repair
Martina FAIMALI, Khan SHAHNAWAZ, Kiran DIWANI, Henry ATKINSON (UNITED KINGDOM)
- 17:15 Epidemiology of anterior cruciate ligament and meniscal injuries at a tertiary care centre in western India
Swapneel SHAH, Surendra Singh BAVA, Pradip NEMADE, Aditya RAJ, Nandan MARATHE, Saurabh CHAUDHARI (INDIA)
- 17:20 Arthroscopic management of giant synovial osteochondromatosis of the knee joint
Samundeeswari SASEENDAR¹, Saseendar SHANMUGASUNDARAM² ¹(INDIA), ²(OMAN)

- 17:25 Outcomes of single bundle anatomic anterior cruciate ligament reconstruction using quadrupled hamstring tendon graft, length adjustable cortical suspensory button devices and bio absorbable interference screws for femoral and tibial fixation
Madhusa JAYASEKARA, Dilshan MUNIDASA (SRI LANKA)
- 17:30 Arthroscopic simulator
Ahmed Yousry SABER¹, Hassan ELSAYED¹, Mohamed TAHA¹, Shinil KOSHY¹, Maged SHAHIN², Walid HUSSEIN¹ ¹(UNITED KINGDOM), ²(EGYPT)
- 17:35 Meniscal root repair
Amr OMR (EGYPT)

Tumours / APOA / ARTOF | Friday, 6 December | Meeting Room 9

08:00 - 10:00

Free Paper Session—Tumours

- Moderators: Joseph BENEVENIA (UNITED STATES), Maximilian RUDERT (GERMANY)**
- 08:00 **Keynote lecture:** What is next after resection of bone sarcomas?
Bulent EROL (TURKEY)
- 08:15 Arthroplasty of shoulder and elbow joints in cases of bone tumours
Volodymyr PROTSENKO, Volodymyr CHORNEYI (UKRAINE)
- 08:23 The efficacy and safety of intraoperative navigation in spinal tumour surgery
Ankith NV, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJASEKARAN (INDIA)
- 08:31 Surgery of femoral metastasis: result of selecting procedures based on patient prognosis
Hirohisa KATAGIRI, Atsushi TANAKA, Hideki MURATA, Junji WASA, Michihito MIYAGI, Mitsuru TAKAHASHI (JAPAN)
- 08:39 Early experience with CT-guided computer navigation-assisted surgery in musculoskeletal tumour surgery
Philipp FUNOVICS, Markus SCHREINER, Heiko SCHMID-STINO, Klemens VERTESICH, Gerhard HOBUSCH, Joannis PANOTOPOULOS, Reinhard WINDHAGER (AUSTRIA)
- 08:47 90-day complications after surgery for spinal tumours
Mahboub EL HASHEMI¹, Omid JALALI², Blake FORMANEK², Zorica BUSER², Jeffrey WANG² ¹(SUDAN), ²(UNITED STATES)
- 08:55 Improved virtual surgical planning with 3D-multimodality image for malignant giant pelvic tumours
Fang XIANG, Hong DUAN (CHINA)
- 09:03 Total femoral prosthesis replacement following resection of femoral malignant tumours
Wu FAN, Hong DUAN (CHINA)
- 09:11 Implant survival in hip replacement for tumours around the hip
Ola ROLFSON, Marcus BORENÅS, David WENNERGREN, Christina BERGER, Rikard WEDIN (SWEDEN)
- 09:19 3D-printed titanium custom-made prostheses in reconstruction after resection of pelvic tumours: results at medium follow-up
Carmine ZOCCALI, Jacopo BALDI, Luca CANNAVÒ, Alessandra SCOTTO DI UCCIO, Roberto BIAGINI, Alessandro LUZZATI, Gennaro SCOTTO (ITALY)

09:27 Retrospective and prospective study of giant cell tumour of bone: multi-modal approach
Kritesh MISHRA, Mudit SHAH (INDIA)

10:30 - 12:00

SICOT Instructional Symposium—Tumours

Moderators: Pietro RUGGIERI (ITALY), Salim AL-BUSAIDI (OMAN)

10:30 Definition of oligometastasis: the literature
Nedim AYTEKIN (TURKEY)

10:45 Principles of treatment of skeletal oligometastasis
Pietro RUGGIERI (ITALY)

11:00 Multidisciplinary approach and the role of radiotherapy
Yogesh PANCHWAGH (INDIA)

11:15 Medical treatment of oligometastasis
Antonella BRUNELLO (ITALY)

11:30 Discussion

14:00 - 15:30



Partner Society Symposium—APOA: Injuries around the Hip Joint

Moderators: Önder AYDINGOZ (TURKEY)

14:00 Percutaneous acetabular surgery: how to get it right?
Cyril MAUFFREY (UNITED STATES)

14:12 Management of femoral head fractures: tips and tricks
Jamal ASHRAF (INDIA)

14:24 Fractured neck of femur: how good is the BDSF technique
Anup AGRAWAL (INDIA)

14:36 Application of 3D planning and printing for the hip
Christian FANG (HONG KONG)

14:48 Unstable intertrochanteric fractures: tips and tricks
Ram PRABHOO (INDIA)

15:00 Periprosthetic fractures around the THR: how I do it
David CHOON (MALAYSIA)

15:12 Discussion

16:00 - 17:30

ARTOF

Partner Society Symposium—ARTOF: Trends in Trauma and Orthopaedics: Focus on Digital Health

Moderators: Marc HANSCHEN (GERMANY), James WADDELL (CANADA)

16:00 Digital health in trauma and orthopaedics: where are we, where do we want to go, and how do we do it?
Marc HANSCHEN (GERMANY)

16:15 Emergency care and trauma surgery: what can we expect in the next five years?
Roman PFEIFER (SWITZERLAND)

16:30 Smart operating rooms: advanced intraoperative imaging to optimised workflow

Jason STRELZOW (UNITED STATES)

16:45 Outcome oriented innovation in surgical processes from the perspective of the medical industry, based on co-creation, cross-industrial exchange and collaboration in value-chain-management
Soren LAUINGER (GERMANY)

17:00 The potential of digital health: cultural transformation of traditional healthcare
Samuel MOLYNEUX (UNITED KINGDOM)

17:15 Panel discussion

Dry Shoulder Arthroscopy Labs | Friday, 6 December | Meeting Room 10+11

08:00 - 10:30

Instructional Course—Dry Shoulder Arthroscopy Lab

Instructors: Umer BUTT (PAKISTAN), Raed ABU TALEB (SAUDI ARABIA), Teo Seow HUI (MALAYSIA), Ahmed KHATER (EGYPT)

(For course details see page 8)

14:00 - 16:30

Instructional Course—Dry Shoulder Arthroscopy Lab

Instructors: Ahmed KHATER (EGYPT), Santosh SAHANAND (INDIA), Deepak BHATIA (INDIA), Gabriel RIFFEL (BRAZIL)

(For course details see page 8)

Knee-Shoulder Cadaver Lab | Friday, 6 December | Sultan Qaboos University Hospital

08:00 - 12:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

Instructors: Anant MAHAPATRA (IRELAND), Ahmed WALY (EGYPT), Amr RASHWAN (EGYPT), Matthew MORREY (UNITED STATES)

(For course details see page 8)

08:00 - 12:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

Instructors: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

(For course details see page 9)

13:00 - 17:00

Instructional Course—Knee Arthroscopy Cadaver Lab

Moderators: Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

Instructors: Darci Duarte LOPES (BRAZIL), Bobby ANAND (UNITED KINGDOM), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)

(For course details see page 8)

13:00 - 17:00

Instructional Course—Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)

Instructors: Bhuvan MACHANI (UNITED ARAB EMIRATES), Usama Hassan SALEH (UNITED ARAB EMIRATES)

(For course details see page 9)

Trauma | Saturday, 7 December | Auditorium

08:00 - 10:00

SICOT Instructional Symposium—Delayed Presentation

Moderator: To be announced

08:00 Road traffic fatalities: issues and recommendations
Thami BENZAKOUR (MOROCCO)

08:10 Incidence of delayed presentation in Europe
Jordan SAVESKI (MACEDONIA)

08:20 Delayed presentation in India
Vivek TRIKHA (INDIA)

08:30 Delayed presentation of urban terrorism injured patients with multiple injuries
Kai Oliver JENSEN (SWITZERLAND)

08:40 Delayed presentation of isolated closed injuries: a challenge!
Vivek TRIKHA (INDIA)

08:50 Prevention and treatment of post-traumatic infection
Khaled EMARA (EGYPT)

09:00 Delayed presentation in polytrauma patients
To be announced

09:10 Delayed presentation of compartment syndrome
Reinhard SCHNETTLER (GERMANY)

09:20 Discussion

10:30 - 12:00

Free Paper Session—Trauma 4

Moderators: Ram Kewal SHAH (NEPAL), Sanjay KESHKAR (INDIA)

10:30 Suprapatellar tibial nailing reduces radiation exposure and operative time compared to conventional tibial nailing
Ram Mohan RAGHAVENDRA, Anil Kumar SINGHAL, Glenn CLEWER (UNITED KINGDOM)

10:38 Does bone grafting at the docking site lead to improved union following bone transport for segmental bone defects of the tibia and the femur? A retrospective cohort study
Hasan NAHOULI, Karim MASROUHA, Rima ABDUL-KHALEK, Asdghig DER-BOGHOSSIAN, Ali RTEIL, Wassim MOURAD, Said SAGHIEH (LEBANON)

10:46 The use of anatomical locked plate as an external fixator for Schatzker (VI) fractures
Rafid AL ADHAB (IRAQ)

10:54 Dia-metaphyseal fractures of distal tibia treated with intramedullary nails which are distally locked with an innovative locking system: a prospective clinical study
Mehmet Salih SOYLEMEZ, Necdet SAGLAM, Ismail TURKMEN, Fuat AKPINAR (TURKEY)

11:02 Complications associated with plate fixation of distal fibular fractures
J Turner VOSELLER, Henrik BACKER, Justin GREISBERG (UNITED STATES)

11:10 Surgical treatment of comminuted intraarticular distal radius fracture with external fixation: functional outcome and short term follow-up
Mohammed AL-SAIFI, Khaled SWAILEM, Anwar MUGHALIS, Mohammed SADHAN (YEMEN)

11:18 Outcomes following conservative versus surgical treatment in displaced distal radius fractures
Daniel OLTEAN DAN, Ana Diana BILOUS, Mihai Gheorghe PAIUSAN, Petronela Laura PAIUSAN, Christian Paul DAN, Ciprian Alin BARDAS, Horea Rares Ciprian BENEAN, Gheorghe TOMOIA (ROMANIA)

11:26 The outcome of deltoid ligament repair in ankle fractures: a meta-analysis
Maged MEKHAIMAR, Motasem SALAMEH, Abduljabbar ALHAMOUD, Nidal ALKHATIB, Ghalib AHMED, Karim MAHMOUD (QATAR)

Hip | Saturday, 7 December | Grand Ballroom Hall A1

08:00 - 10:00

SICOT Instructional Symposium—Instructional Course Lecture: Cemented THA
- How? Why? Results

Moderators: Jacques CATON (FRANCE), Eduardo SALVATI (UNITED STATES)

- 08:00 The cement
Mustafa CITAK (GERMANY)
- 08:10 Stem cementation: evolution
Jean-Louis PRUDHON (FRANCE)
- 08:20 Modern cementation: pros
Mustafa CITAK (GERMANY)
- 08:30 Modern cementation: cons
Phillipe HERNIGOU (FRANCE)
- 08:40 The French paradox
Jacques CATON (FRANCE)
- 08:50 Stem cementation and surface finish
Laurent SEDEL (FRANCE)
- 09:00 Exeter technique
Mohamed SUKEIK (SAUDI ARABIA)
- 09:10 Cup cementation (fixed and DMC)
Chahine ASSI (LEBANON)
- 09:20 Results
Jacques CATON (FRANCE)
- 09:30 Conclusion: future of cemented THA
Andreas MAVROGENIS (GREECE)
- 09:40 Discussion
Eduardo SALVATI (UNITED STATES)

10:30 - 12:00

Free Paper Session—Hip 4

Moderators: Bassel EL-OSTA (LEBANON), Laszlo BUCSI (HUNGARY)

- 10:30 Stress management, art exhibitions and total hip and knee arthroplasty in ambulatory surgery
Yves MICHAUD (FRANCE)
- 10:38 Multimodal thromboprophylaxis in patients with a prior history of venous thromboembolism undergoing primary hip arthroplasty
Eduardo SALVATI, Alejandro GONZALEZ DELLA VALLE, Kate SHANAGHAN (UNITED STATES)
- 10:46 Validation of the World Health Organisation Quality of Life Instrument (WHOQOL-BREF) Hindi questionnaire in total hip replacement patients
Prasoon KUMAR, Ramesh SEN, Rajesh KUMAR RAJNISH (INDIA)
- 10:54 Hip muscle strength and gait speed after hip surgery for the treatment of osteoarthritis of the hip in adult: RAO versus THA
Tetsuya ENISHI, Ryosuke SATO, Shinji YOSHIOKA, Masaru NAKAMURA, Shunji NAKANO (JAPAN)
- 11:02 Is 'safe surgical dislocation of the hip' really safe? Our experience
Praveen RAMIA, Govardhan RAMIA (INDIA)
- 11:10 Pelvic obliquity after total hip arthroplasty: is it correctable completely?
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Mohamadjavad ZEHTAB, Siavash MOLANAEI (IRAN)

- 11:18 Total hip arthroplasty with an uncemented Wagner cone stem for patients with deformity of the proximal femur or subluxation/dislocation hip
Shunji NAKANO, Shinji YOSHIOKA, Masaru NAKAMURA, Rhosuke SATOH, Tetsuya ENISHI, Koichi SIRYO (JAPAN)
- 11:26 Accuracy and reproducibility of visual estimation of the acetabular cup positioning on AP and lateral radiographs by the orthopaedic surgeons is very poor
Charlotte SOMERVILLE, Krishna BODDU, Robert BUTCHER, Oliver SHASTRI, James GEDDES (UNITED KINGDOM)
- 11:34 Hyperbaric oxygen therapy versus core decompression augmented with bone substitute in pre-collapse avascular necrosis of the hip
Ghalib AHMED AL HANEEDI, Isam MOGHAMIS, Abduljabbar ALHAMMOUD, Osama KOKASH (QATAR)
- 11:42 Our original non-invasive mechanical navigation technique for cementless total hip arthroplasty (THA) has demonstrated a high level of accuracy in component placement on obese patients as well as non-obese patients
Hideo ONISHI, Teppel MURAI, Koji ODA, Kazutaka YASUI, Naoaki KURINOMARU, Toshiki IWAMOTO, Hidetoshi TANAKA, Satoshi OKABE (JAPAN)
- 11:50 Is hip arthroscopy cost-effective for the treatment of femoroacetabular impingement (FAI)? A systematic review of economic evaluations
Haitham SHOMAN (UNITED STATES)

Osteoporosis | Saturday, 7 December | Grand Ballroom Hall A2

08:00 - 10:00



Partner Society Symposium—IOF: Osteoporosis (Fragility) Fractures in Orthopaedic Surgery: Interactive Case Discussion

Moderators: Josee DELISLE (CANADA), Serge Livio FERRARI (SWITZERLAND)

- 08:00 Case study #1: patient presenting with first distal radius fracture
Josee DELISLE (CANADA)
- 08:28 Case study #2: patient presenting with a vertebral fracture
Peter JARZEM (CANADA)
- 08:56 Case study #3: patient presenting with a fracture of the hip
Serge Livio FERRARI (SWITZERLAND)
- 09:24 Case study #4: patient presenting with an atypical fracture of the femur
Christiano SALIBA (BRAZIL)
- 09:52 Closing message
Jean-Yves REGINSTER (SWITZERLAND)

10:30 - 12:00

Free Paper Session—Pain/Osteoporosis

Moderators: Mohammed AL-BAYATTI (IRAQ), Michael WEBER (UNITED ARAB EMIRATES)

- 10:30 Rising needle sign during lumbar facet injection: a useful sign in helping localising the facet and reducing radiation exposure
S SAKKA (JORDAN)
- 10:38 'Hand on hip sign': a novel sign and diagnostic tool in piriformis syndrome
Sadiq MOHAMMED, Azher Hussain SYED, Nayeemuddin MOHAMMED (INDIA)
- 10:46 Opioid dose affects increase LOS
Atif AYUOB, Salamah AYYAD, Philip PAIRON, Fares HADDAD (UNITED KINGDOM)
- 10:54 Quality of life after amputation in patients with advanced complex regional pain syndrome – a systematic review
Brijesh AYYASWAMY, Saeed BILAL, Anoop ANAND, Lai CHAN, Vishwanathan SHETTY (UNITED KINGDOM)
- 11:02 Ice-can rolling and stretching technique in acute plantar fasciitis as an effective treatment
Manoj MADINI, Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Dibya Singha DAS, Hemanta Kumar BAMIDI, Siddhartha Shankar MOHANTY, Udit UPADHYAYA, Indranil DEY (INDIA)
- 11:10 Review of the first fracture liaison service of our hospital in an Indian healthcare perspective
Gunjar JAIN, Vijay SHARMA (INDIA)
- 11:18 Factors affecting bone mineral density in an Indian adult population and their response to therapy
Kiran Kumar Vedavyasa ACHARYA, Sashitemjen AIER (INDIA)
- 11:26 Does sarcopenia increase the risk of fresh vertebral fragility fractures? A case control study
Vyom SHARMA, Shanmuganathan RAJASEKARAN, Ashish ANAND, Ajoy SHETTY, Rishi Mugesh Kanna P (INDIA)
- 11:34 When to do biopsy in benign looking osteoporotic fractures radiologically and clinically
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)
- 11:42 Efficacy and safety of once-yearly zoledronic acid administration for the super elderly – short-term results
Hitoshi TANIGAWA, Kosei ANDO, Ryo NAKAJIMA, Masato TANEMURA, Shinji IMAI (JAPAN)

Football / Emerging Technology | Saturday, 7 December | Grand Ballroom Hall A3

08:00 - 10:00



SICOT Instructional Symposium—Football Symposium: 2022 FIFA World Cup, Qatar: Orthopaedic Surgeons at the Highest Level

Moderators: Mohamed DARWISH (OMAN), Jose PADILLA (QATAR)

- 08:00 Prevention of orthopaedic lesions in football
Mohammed RAZI (IRAN)

- 08:15 Women's professional football: the next big thing
Rodrigo MONTIEL (BRAZIL)

- 08:30 Team doctor and orthopaedic surgeon working hand in hand
Jose PADILLA (QATAR)

- 08:45 **For and against we stand: a crossfire on controversies in football lesions and professional football players (round table)**

10:30 - 12:00

Free Paper Session—Emerging Technology

Moderators: Ajeya ADHIKARI (UNITED KINGDOM), Umer BUTT (PAKISTAN)

- 10:30 Computer assisted live navigation for glenoid baseplate fixation in severe glenoid bone loss during reverse shoulder arthroplasty
Inayat PANDA¹, Mark HABER² (INDIA), (AUSTRALIA)
- 10:38 Accuracy and safety evaluation of robot assisted subdermal intermuscular pedicle screw technique
Cong LIN, Zhu YUE (CHINA)
- 10:46 Can robotic technology take enhanced recovery arthroplasty one step further? A prospective cohort study
Atif AYUOB, Babar KAYANI, Sujith KONAN, Jenni TAHMASSEBI, Fares HADDAD (UNITED KINGDOM)
- 10:54 Mechanical testing of a novel 3D-printed femoral stem under dynamic loading
Douglas UNIS, Sulaiman SOMANI, Nathan HO, Eddie EBRAMZADEH, Sophia SANGIORGIO (UNITED STATES)
- 11:02 Morphometric analysis of the odontoid process and influence of screw design in odontoid fixation: a study in an Indian population
Shreesh Kadur JM, Abhishek KASHYAP (INDIA)
- 11:10 Robotic-assisted total knee arthroplasty maintains posterior condylar offset with greater femoral component flexion, smaller component size and better functional results
Atif AYUOB, Babar KAYANI, Rowan FIACHARA, Fares HADDAD (UNITED KINGDOM)
- 11:18 Accuracy of implant positioning in robotic arm-assisted primary total knee replacement versus conventional jig based TKR
Balu C BABU, Jai THILAK, Thadi MOHAN (INDIA)
- 11:26 Robot assisted subdermal intermuscular pedicle screw technique in the minimally invasive treatment of adolescent idiopathic scoliosis: accuracy and safety evaluation of this novel minimally invasive technique
Cong LIN, Zhu YUE (CHINA)
- 11:34 Robotic surgery improves accuracy in restoration of native hip biomechanics and reduces outliers in safe zones of acetabular implant positioning
Atif AYUOB, Babar KAYANI, Sujith KONAN, Raj THAKRAR, Huq SUMON, Fares HADDAD (UNITED KINGDOM)
- 11:42 3D printing and 3D models as a part of preplanning for complex total hip arthroplasty
Kalaivanan KANNIYAN, Shantanu PATIL (INDIA)
- 11:50 An ultrasound image-based surgical navigation using deep learning network for a bone cyst surgery
Ilhyung PARK, Sanghyun JOUNG, Chul-Woo PARK (SOUTH KOREA)

Microsurgery | Saturday, 7 December | Grand Ballroom Hall C1

08:00 - 10:00

SICOT Instructional Symposium – Use of Microsurgery in Orthopaedic Trauma

Moderator: Marko BUMBASIREVIC (SERBIA)

- 08:00 Importance of microsurgery in solving of difficult problems in traumatised limbs
Marko BUMBASIREVIC (SERBIA)
- 08:07 FVFGS
Konstantinos MALIZOS (GREECE)
- 08:14 Free vascularised fibular graft, harvest technical details and different indications
Ahmad ADDOSOOKI (EGYPT)
- 08:21 Damage control and reconstructive microsurgery applied in salvage of mangled limb
Qing-Tang ZHU (CHINA)
- 08:28 Management of finger tip injury/distal finger amputation
Margaret FOK (HONG KONG)
- 08:35 Surgical management of ring fingers
Fabian MOUNGONDO (BELGIUM)
- 08:42 VBGS for scaphoid
Konstantinos MALIZOS (GREECE)
- 08:49 Microsurgical approach in complex traumas of the lower leg
Alexandru GEORGESCU (ROMANIA)
- 08:56 Open contaminated wounds with soft tissue loss: management with microvascular flaps
Panayotis SOUCACOS (GREECE)
- 09:03 Microsurgical reconstruction of major heel defects, lessons and pitfalls
Mohamed ELLABBAN (EGYPT)
- 09:10 Discussion

10:30 - 12:00

SICOT Instructional Symposium – Use of Microsurgery in Orthopaedic Tumour Surgery

Moderators: Pietro RUGGIERI (ITALY), Marko BUMBASIREVIC (SERBIA)

- 10:30 Musculoskeletal oncology of the extremities: reconstructive microsurgery as a useful and versatile tool
Panayotis SOUCACOS (GREECE)
- 10:42 Orthoplastic in musculoskeletal tumour surgery
Franco BASSETTO (ITALY)
- 10:54 Segment forearm amputation followed by replantation for treatment of radius osteosarcoma
Qing-Tang ZHU (CHINA)
- 11:06 Microsurgical treatment of different tumour cases in orthopaedic surgery
Albert LAM (HONG KONG)
- 11:28 Management of neuropathic pain with nerve transfers
Margaret FOK (HONG KONG)
- 11:30 Discussion

WAIOT | Saturday, 7 December | Grand Ballroom Hall C2

08:00 - 10:00



Partner Society Symposium – WAIOT: Clinical Pathways and MSI in the Middle East and Surrounding Countries (I)

Moderators: Ashok JOHARI (INDIA), Guenter LOB (GERMANY), Thami BENZAKOUR (MOROCCO), Hazem ALKHAWASHKI (SAUDI ARABIA)

- 08:00 Early diagnosis of musculoskeletal infection is mandatory for a complete recovery – lost time = lost chance of healing
Guenter LOB (GERMANY)
- 08:08 Treatment of osteomyelitis in the paediatric age
Ashok JOHARI (INDIA)
- 08:16 Microbiological sampling and processing in orthopaedics
Carlo ROMANO (ITALY)
- 08:24 How to manage the infected osteosynthesis: the ICS classification
Carlo ROMANO (ITALY)
- 08:32 Discussion
- 08:42 Biofilm and musculoskeletal infections: current concept
Rafid AL ADHAB (IRAQ)
- 08:50 Arthrodesis of the ankle joint in septic osteoarthritis
Chingiz ALIZADEH (AZERBAIJAN)
- 08:58 Epidemiology of MSI in orthopaedics and trauma in Africa
Thami BENZAKOUR (MOROCCO)
- 09:06 Surgical site infection control in scoliosis surgery: can we have a consensus?
Alaa AHMAD (PALESTINE)
- 09:14 Pyogenic infection of the spine
Bahaa KORNAH (EGYPT)
- 09:22 Discussion

10:30 - 12:00



Partner Society Symposium – WAIOT: MSI in the Middle East and Surrounding Countries (II)

Moderators: Ferdinando DA RIN DE LORENZO (ITALY), Konstantinos MALIZOS (GREECE)

- 10:30 Infection in sicklers
Thamer HAMDAN (IRAQ)
- 10:38 Southern west KSA sicklers patterns of MSI
Mohammad ALOTAIBI (SAUDI ARABIA)
- 10:46 How to differentiate vaso-occlusive crisis and acute osteomyelitis
Dalal BUBSHAIT (SAUDI ARABIA)
- 10:54 PJI: 30 years of personal experience at one institute (SFH)
Salah ELNOUR (SAUDI ARABIA)
- 11:02 Difficulties in managing PJI: 12-year review of Egyptian community arthroplasty registry
Mahmoud HAFEZ (EGYPT)

- 11:10 Management of MSI with bone loss with Masquelet technique: Tunisian experience
Sofiene KALLEL (TUNISIA)
- 11:18 Versatility of Ilizarov principles in post-traumatic femoral infection
Mohamed FADEL (EGYPT)
- 11:26 Uses of bone transport on bone loss and infection
Saleh ALHARBY (SAUDI ARABIA)
- 11:34 Discussion

SOFCOT / Miscellaneous | Saturday, 7 December | Grand Ballroom Hall C3

08:00 - 10:00



Partner Society Symposium—SOFCOT: Hip Osteonecrosis

Moderator: Phillipe CHIRON (FRANCE)

- 08:00 What every surgeon should know
Phillipe CHIRON (FRANCE)
- 08:10 Survey results on AVN in France
Arthur JUSTO (FRANCE)
- 08:20 Outcomes following core decompression for AVN
Vikas KHANDUJA (UNITED KINGDOM)
- 08:30 AVN treated with bone marrow concentrate
William MURRELL (UNITED ARAB EMIRATES)
- 08:40 Pelvic osteotomy for hip AVN
Yasuhiro HOMMA (JAPAN)
- 08:50 Cell therapy in sickle cell disease
Phillipe HERNIGOU (FRANCE)
- 09:00 Arthroplasty in osteonecrosis
Bertrand BOYER (FRANCE)
- 09:10 Arthroplasty: bearing surface
Brice RUBENS-DUVAL (FRANCE)
- 09:20 Discussion

10:30 - 12:00

Free Paper Session—Miscellaneous

Moderators: Sediq BEN DALLA (LIBYA), Peter KILONZO (KENYA)

- 10:30 Socioeconomic status of patients in a Swedish national self-management program for osteoarthritis compared to the general population – a descriptive observational study of 72,069 patients
Ola ROLFSON, Kristin GUSTAFSSON, Joanna KVIST, Marit ERIKSSON, Leif DAHLBERG (SWEDEN)
- 10:38 Results of non-surgical management of femoral neck fractures in the elderly patients
Gautam REDDY, Rajiv SANGER, Prakash CHANDRAN (UNITED KINGDOM)

- 10:46 Prevalence of piriformis syndrome among the cases of low back/buttock pain with sciatica: a prospective study
Rajkumar MEENA (INDIA)
- 10:54 A randomised clinical trial on comparison of corticosteroid injection with splinting versus autologous platelet-rich plasma (PRP) with splinting in patients with lateral epicondylitis
Rahul KHANNA (INDIA)
- 11:02 Extracorporeal shockwave therapy for treatment of nonunion, cross-sectional study
Muatasim ELMAHI, Muhamed ALFAHEL (QATAR)
- 11:10 Evaluation of offloading in the treatment of neuropathic foot ulcers: a prospective study
Alok PRUSTY, Biswajit SAHU (INDIA)
- 11:18 The use of platelet-rich plasma application in the treatment of diabetic foot ulcers: a systematic review of the literature
**Imad MADHI¹, Oliver Emmanuel YAUSEP², Dionysios TRIGKILIDAS¹, Sameera ABAS¹
¹(UNITED KINGDOM), ²(INDONESIA)**
- 11:26 Platelet-rich plasma injections in hip osteoarthritis: does it work? A review
Paul MC CARROLL, Mark BERNEY, Brian LENEHAN (IRELAND)
- 11:34 Are you suffering pain neck due to smartphone text neck syndrome?
Syed Faraz Ul Hassan Shah GILLANI, Rana Dilawaiz NADEEM, Muhammad AKHTAR (PAKISTAN)
- 11:42 Failed back surgery syndrome: outcome of an intensive, multimodal, interdisciplinary rehabilitation protocol
Deepak SHARAN (INDIA)
- 11:50 Total hip arthroplasty: survey of acetabular reaming practices among French Society of Hip and Knee (SFHG) members
Jean Louis PRUDHON, Andre FERREIRA (FRANCE)
- 11:58 3D-technology in distal prosthesis of fingers' stumps
Artem REZNIK, Alexander GUBIN (RUSSIA)
- 12:06 The application of 3D printing technology in orthopaedics and rehabilitative devices
Yuanjing XU, Jinwu WANG (CHINA)

Knee / Enhanced Recovery & Outpatient Arthroplasty | Saturday, 7 December | Junior Ballroom A

08:00 - 10:00

SICOT Instructional Symposium—New and Old Patterns of Failure in TKR

Moderators: Miroslav HASPL (CROATIA), Fatih KUCUKDURMAZ (TURKEY)

- 08:00 Why are knees failing in 2019?
Phil TURNER (UNITED KINGDOM)
- 08:09 Aseptic loosening management: role of alignment and balance
Gautam CHAKRABARTY (UNITED KINGDOM)
- 08:18 Management and classification of mid-flexion instability
Mojib MANZARY (SAUDI ARABIA)
- 08:27 Bone loss management in total knee arthroplasty
Gabriele PANEGROSSI (ITALY)
- 08:36 Constraint in total knee arthroplasty: indications and role
Ashok RAJGOPAL (INDIA)
- 08:45 Diagnosing the infected knee: current perspectives
Darius Savadkoobi (IRAN)

08:54 Treatment of the infected knee: what the literature says
Ferdinando DA RIN DE LORENZO (ITALY)

09:03 Salvage options in failed total knee arthroplasty
Maximilian RUDERT (GERMANY)

09:12 Discussion

10:30 - 12:00

SICOT Instructional Symposium—Outpatient Total Joint Arthroplasty: Why, When and How

Moderators: Ajeya ADHIKARI (UNITED KINGDOM), Zachary POST (UNITED STATES)

10:30 The case for outpatient joint arthroplasty
Zachary POST (UNITED STATES)

10:45 Current concept: enhanced anaesthesia for early discharge
Jesse OTERO (UNITED STATES)

10:55 Current concept: less invasive techniques in hip and knee arthroplasty
Maxwell COURTNEY (UNITED STATES)

11:05 Current concept: pain management in arthroplasty
Nagi Chetty BHASKARAN (UNITED KINGDOM)

11:15 Current concept: who should never be an outpatient? Screening and preventing complications
Jon CONROY (UNITED KINGDOM)

11:25 Current concept: blood loss management for the surgeon
Julio FERNANDES (CANADA)

11:35 Panel discussion: case review and hospital preparation for outpatient joint arthroplasty

Young Surgeons Committee / Spine | Saturday, 7 December | Junior Ballroom B

08:00 - 10:00

Young Surgeons Committee Symposium—Difficult Case Discussions in Spine Surgery

Moderators: Cody BUNGER (DENMARK), Jong-Beom PARK (SOUTH KOREA)

Expert panel

Cody BUNGER (DENMARK)
Jong-Beom PARK (SOUTH KOREA)
Vikas PATEL (UNITED STATES)
Yasutsugu YUKAWA (JAPAN)
Nalli R UVARAJ (INDIA)
Hanny ANWAR (UNITED KINGDOM)
Vijay KAMATH (INDIA)

08:00 Case 1
Aju BOSCO (INDIA)

08:14 Case 2
Efe Levent ARAS (DENMARK)

08:28 Case 3
Cengiz ISIK (TURKEY)

08:42 Case 4
Meng-Huang WU (TAIWAN)

08:56 Case 5
Bedri KARAISMAILOGLU (TURKEY)

09:10 Case 6
Mahboub EL HASHEMI (SUDAN)

09:24 Discussion

10:30 - 12:00

Short Free Paper Session—Spine

Moderators: Alaa AHMAD (PALESTINE), Aju BOSCO (INDIA)

10:30 Clinical relevance of cement leakage after kyphoplasty techniques and the diagnostic accuracy of fluoroscopy, radiography and computed tomography in detecting cement leakage in kyphoplasty
Hans-Joachim RIESNER, Patricia LANG, Hackenbroch CARSTEN, Benedikt FRIEMERT, Hans-Georg PALM (GERMANY)

10:35 Bone cement intergrade better in earlier vertebroplasty and may lead to less adjacent fractures
Chang Chen YANG, Lee RU-PING, Wu WEN-TIEN (TAIWAN)

10:40 Early phase MRI after balloon kyphoplasty can predict subsequent adjacent vertebral compression fracture in osteoporotic patients
Akihiro NAGAMACHI, Daiki NAKAJIMA, Masatoshi MORIMOTO, Kazuma WADA, Kaori MOMOTA (JAPAN)

10:45 Change of the kyphotic angle after stand-alone percutaneous stent-kyphoplasty for thoracolumbar split and burst-split fractures
**Julian SCHERER¹, Simon TIZIANI¹, Kai SPRENGEL¹, Hans-Christoph PAPE¹, Georg OSTERHOFF²
¹(SWITZERLAND), ²(GERMANY)**

10:50 The disc/end plate pressure in different percutaneous kyphoplasty and percutaneous vertebroplasty surgical methods—study by finite element analysis
Chen-Lun CHU, Shing-Sheng WU (TAIWAN)

10:55 Coccyx: the forgotten spine
S SAKKA (JORDAN)

11:00 The concept of lamina-pedicle perpendicularity
**Nirmal PATIL¹, Tarek EL FIKY², Mohammad ESSAM², Keith LUK³
¹(INDIA), ²(EGYPT), ³(HONG KONG)**

11:05 Efficacy of vitamin-D supplementation in patients with chronic low back pain
Rahman Rasool AKHTAR, Riaz AHMED (PAKISTAN)

11:10 The analysis of risk factors of failed conservative treatment of three consecutive selective nerve block for lumbar spinal pathology
Seok-Hwan SONG, Jae-Sung AHN, Sang Bum KIM, Ho-Jin LEE, Eugene J PARK (SOUTH KOREA)

11:15 The efficacy of strain counterstrain on outcome measures in treatment of acute mechanical low back pain patients
**Ahmed BAGHDADI¹, Ghada KOURA², Yadulla SYED¹, Alaa A BALBAA², Noora AL-MUDAHKA¹
¹(QATAR), ²(EGYPT)**

11:20 Rationale, surgical technique, and short-term follow-up results of a new minimally invasive treatment for thoracic spinal stenosis
Li XINGCHEN, Zhou HONGGANG, Ma HAIJUN, Zhao XIAOBING (CHINA)

11:25 Comparison between transforaminal epidural I (SNRB) vs interlaminar epidural in the treatment of lumbar radicular leg pain in an Indian population
Azher Hussain SYED, Sadiq MOHAMMED (INDIA)

11:30 Changes in lumbar sagittal alignment following microendoscopic laminoplasty for grade 1 degenerative spondylolisthesis
Hirokichi MISAWA, Takahiro TSUTSUMIMOTO, Mutsuki YUI, Hidemichi KOSAKU, Koji HAYASHI, Tetsuhiko MIMURA (JAPAN)

- 11:35 'Trans-lamina' route percutaneous endoscopic lumbar laminoplasty as a new treatment for lumbar spinal stenosis
Zhao XIAOBING, Zhou HONGGANG, Ma HAIJUN, LI XINGCHEN (CHINA)
- 11:40 Short-term effect of peld via transforaminal approach in the treatment of giant lumbar disc herniation in the young
Frank Yaw TAKYI-APPIAH¹, Bo GAO², Xicheng LI² (GHANA), (CHINA)

Paediatrics / Trauma | Saturday, 7 December | Meeting Room 8

08:00 - 10:00

Short Free Paper Session—Paediatrics

Moderators: Khaled EL-ADWAR (EGYPT), Mohamed RASHED (LIBYA)

- 08:00 Paediatric proximal femoral osteotomies: planning and execution
Khaled EL-ADWAR (EGYPT)
- 08:10 Mosaicplasty for open idiopathic osteochondritis dissecans of the femoral head in adolescent
Djamel LOUAHEM M'SABAH (FRANCE)
- 08:15 Percutaneous low energy osteotomy in treatment of pathological coronal knee deformities in paediatrics
Khaled EMARA, Mahmoud ELSHOBAKY, Ramy DIAB, Shadi MAHMOUD, Ahmed EMARA (EGYPT)
- 08:20 Complications of the surgical treatment of SCFE, 5-year retrospective study
Sujith VELLATHUSSERY CHAKKALAKUMBIL, Farhan ALI, Ibrar MAJID, Mohamed KENAWAY (UNITED KINGDOM)
- 08:25 Weber-booster-surgery for tibial hemimelia
Michael WEBER (UNITED ARAB EMIRATES)
- 08:30 Study on functional outcome of elastic nails fixation in femoral fractures of children and adolescents
JyothiPrasanth MAHESHKUMAR, Edwin AJIN (INDIA)
- 08:35 Complex radiological findings in congenital pseudarthrosis of the tibia
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)
- 08:40 Arthroscopic lavage for the treatment of septic arthritis of the hip in children
Iulian NUSEM (AUSTRALIA)
- 08:45 Management of clubfoot by differential distraction
Alok Chandra AGRAWAL, Sharath KAUSHIK, Bikram Keshari KAR (INDIA)
- 08:50 Ponseti methods of treatment for non-idiopathic clubfeet: a retrospective evaluation
Pankaj Kumar SHARMA, Vineet VERMA (INDIA)
- 08:55 Is the Dennis Brown splint a myth? A randomised controlled trial in clubfoot management using Dennis Brown splint versus daily exercise protocol: a long-term study
Reda Ali SHETA (EGYPT)
- 09:00 Effects of botulinum toxin type A in treatment of upper limb spasticity in cerebral palsy – short-term functional outcome in 30 upper limbs – a study from India
Suresh CHAND, Alok SUD, Satender YADAV (INDIA)
- 09:05 Peritalar release in current clubfoot treatment
Martin OSTADAL, Jiri CHOMIAK, Adam ECKHARDT, Pavel DUNGL (CZECH REPUBLIC)

- 09:10 Multilevel contracture release has an additive effect to glucocorticoid treatment in Duchenne patients
Anastasia RAKOW, Claudia WEISS, Corinna STOLTENBURG, Susanne LEBEK, Julia FUNK (GERMANY)
- 09:15 Congenital postero-medial bowing of tibia: differences in lengthening younger vs older children
Milind CHAUDHARY (INDIA)
- 09:20 Management of paediatric forearm fractures and the associated refracture risk
Rachael FISHER, Yazan QAQISH, Dimitrios MANOUKIAN, Andreas REHM (UNITED KINGDOM)
- 09:25 The management of displaced paediatric limb fractures in A&E with high success rate and high patient / family satisfaction
Sherif ELNIKETY, Paul ERDMAN, Solomon KAMAL-UDDIN, Krisztian DEIERL, Nalayini JEVAVEL (UNITED KINGDOM)
- 09:30 The utility of leukocyte esterase strip test in the diagnosis of paediatric septic arthritis
Seyed Mohammad Javad MORTAZAVI, Hadi KALANTAR, Taghi BAGHDADI, Soroush BAGHDADI, Alireza MOHARRAMI (IRAN)
- 09:35 Paediatric upper limb fracture manipulation in the children's emergency department under 70% Nitrous sedation: a successful treatment that provides cost savings
Jay James WATSON, Paul CAMERON, Darius RAD, Edward LINDISFARNE, Alexander VAUGHAN, Thomas CROMPTON, Subramanyam Naidu MARIPURI (UNITED KINGDOM)
- 09:40 Proteomic evidence of increased angiogenesis in clubfoot tissue
Adam ECKHARDT, Tomas NOVOTNY, Jarmila KNITLOVA, Martina DOUBKOVA, Barbora PAVLU, Martin OSTADAL (CZECH REPUBLIC)
- 09:45 The outcome of selective screening of DDH in Armed Forces Hospital, Oman
Yaqoub AL MUFARGI, Nafaa AL KINDI, Reema AL SHANFARI (OMAN)
- 09:50 Diagnostics and therapy of traumatic birth fractures
Christina POLAN, Heinz-Lothar MEYER, Manuel BURGGRAF, Daniel SPODECK, Matthias HÖVEL, Marcel DUDDA, Max KAUTHER (GERMANY)

10:30 - 12:00

Free Paper Session—Trauma 5

Moderators: James WADDELL (CANADA), Afshin TAHERIAZAM (IRAN)

- 10:30 Fixation of paediatric supracondylar fractures: does the size of the K-wire predict outcome?
Chinyelu MENAKAYA, Liza OSAGIE, Turab SYED (UNITED KINGDOM)
- 10:38 Occult pelvic fracture in children presenting to a major trauma centre
Victoria STOHLNER, Krishan GUG, Kuldeep STOHR, Andrew CARROTHERS (UNITED KINGDOM)
- 10:46 Success rates obtained with the use of Taylor spatial frame external fixation for acute trauma and deformity correction in paediatric populations: a systematic literature review and meta-analysis
Diarmuid DE FAOITE¹, Christopher SAUNDERS², Stephen EBOHON², Amir KAMALI² (SWITZERLAND), (UNITED KINGDOM)
- 10:54 Comparison of elastic and rigid intramedullary nailing in tibial fractures in older children
Agneta GABULOVA¹, Ladislav PLANKA², Jakub TUREK² (SLOVAKIA), (CZECH REPUBLIC)

- 11:02 Patient reported outcome in adolescent mid-shaft clavicle fracture: a mid-term review
Nasiur REHMAN, Matthew GOODBUN, Marcin ZGODA (UNITED KINGDOM)
- 11:10 A three-year follow-up for physal injury and forearm function after open reduction and intramedullary fixation by transphyseal pins in children with forearm both bone fractures
Hanon SADONI (IRAN)
- 11:18 Congenital dislocation of pisisiform
Nadeem KHALID (SAUDI ARABIA)
- 11:26 Functional and radiological outcome following corrective osteotomy in cubitusvarus deformities
Manohar TH MANOHAR, Giriraj GIRIRAJ (INDIA)
- 11:34 Neglected distal femur epiphyseal fracture-separation management: about 13 cases
Malick DIALLO, Massadiami SOULAMA, Alexander HEMA, Adama SIDIBÉ, Patrick WH DAKOURÉ (BURKINA FASO)
- 11:42 A case report of paediatric posterior cruciate ligament avulsion fracture and its management
Sandeep VELAGADA, Sunil Kumar DOKI, Shakti SWAROOP, Sujit Kumar TRIPATHY (INDIA)
- 11:50 Descriptive epidemiology of paediatric orthopaedic trauma in southern Nigeria
Joseph ASUQUO, Chukwuemeka ANISI, Innocent ABANG, Omolade LASHEBIKAN, Ehiosun AIGBOMIAN, Olayinka ADEGBEHINGBE (NIGERIA)

Developing World | Saturday, 7 December | Meeting Room 9

08:00 - 10:00

Partner Society Symposium—WOC: Sharing Experiences in Promoting Orthopaedic Services in LMICs

Moderators: Deven TANEJA (INDIA), Alaa AHMAD (PALESTINE)

- 08:00 WOC as the humanitarian arm of SICOT – SICOT President
John DORMANS (UNITED STATES)
- 08:05 WOC achievements within a year – WOC Secretary
Alaa AHMAD (PALESTINE)
- 08:10 WOC vision for the future – WOC President
Deven TANEJA (INDIA)
- 08:15 Refugees journey of death: a human tragedy
Dalal DARWISH (OMAN)
- 08:21 The role of Oman and BJD in global road safety and its positive impact at the UN and the resolutions afforded
Wahid ALKHARUSI (OMAN)
- 08:29 Innovative education in LMICs
Ashok JOHARI (INDIA)

- 08:35 Evidence-based medicine in surgical management in countries with limited resources
Mohit BHANDARI (CANADA)
- 08:41 Global alliance for musculoskeletal health
Karsten DREINHOEFER (GERMANY)
- 08:47 Indian experience for orthopaedic services in rural areas
Rajesh GUPTA (INDIA)
- 08:53 Stress fractures in metabolic disorders (treatment of osteoporosis even after fragility fracture given only in 20% of cases)
Vijay KHARIWAL (INDIA)
- 08:59 Bridging the gap
Wilson LI (HONG KONG)
- 09:05 Role of OASAC in LMIC
Emal WARDAK (AFGHANISTAN)
- 09:11 Asia Pacific experience
Wilson LI (HONG KONG)
- 09:17 Latin America experience
Tatiana GUERSCHMAN (BRAZIL)
- 09:23 AO experience in LMICs
Ram Kewal SHAH (NEPAL)
- 09:29 TKS Gold Medal Award
Deven TANEJA (INDIA)
- 09:35 My experience in LMICs through AO Alliance
Claude MARTIN (SWITZERLAND)
- 09:45 Final talk by the WOC President
Deven TANEJA (INDIA)

10:30 - 12:00

Free Paper Session—Developing World

Moderators: Mohammed AL RAFAI (MORROCO), Sergio FRANCO (BRAZIL)

- 10:30 Trochanteric fracture management by dynamic hip screw with trochanteric support plate
Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)
- 10:38 Retractable scars on African black skin: epidemiological, clinical and therapeutic aspects of 52 cases observed in Cameroon
Farikou IBRAHIMA, Marc Leroy GUIFO, Marie-Ange NGO YAMBEN, Gildas NISSO (CAMEROON)
- 10:46 Prospective study of deep vein thromboses (DVT) prophylaxes in a tertiary hospital in India
Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)
- 10:54 Complications of the surgical treatment of talipes equinovarus in Africa: about 74 cases observed in Cameroon
Farikou IBRAHIMA, Alexandre MANGA, Kennedy MULUEM, Jean Philippe GOP NKOULOU ABDOULAI (CAMEROON)
- 11:02 Neglected avascular necrosis of femoral head secondary to quackery
Muhammad TAHIR, Nadeem AHMED, Jamali ALLAH RAKHIO, Muhammad MUZZAMMIL (PAKISTAN)
- 11:10 An innovative model for rural orthopaedic trauma care
Bhaskar PANT, Mandeep PATHAK (NEPAL)
- 11:18 Can selective nerve root block avoid surgery for lumbar radiculopathy?
Sharif Ahmed JONAYED, M Shah ALAM, Shubhendu CHAKRABORTY (BANGLADESH)

- 11:26 A volunteer joint camp and mission trip to a developing nation: a prospective
Rishi THAKRAL, Kshittij Kumar AGRAWAL (UNITED STATES)
- 11:34 Patient safety – a global challenge
Muhammad Zahid SAEED¹, Muhammad Arif SAEED¹, Abid SAEED¹, Zoha Arif SAEED¹, Sameen Arif SAEED¹, Maham KHALID¹, Zain AKHTAR¹, Muhammad Rumman SIKANDAR¹, Muhammad Muaaz SIKANDAR¹, Arisha Zahid SAEED², Bushra Zahid SAEED², Samar Lal SHAHID¹, Aiman HILAL¹, Omema HILAL¹
¹(PAKISTAN), ²(UNITED KINGDOM)
- 11:42 Research and publications in the orthopaedic journals from India are growing
S SASEENDAR¹, Raju VAISHYA², Mohit PATRALESKH², Abhishek VAISH², Lalit MAINI²
¹(OMAN), ²(INDIA)
- 11:50 Experience of SIGN Fin nail for treating femoral fractures
Kebba MARENAH, Bintou TRAWALLY (GAMBIA)

Just-A-Minute Papers & Live Operation Video |
Thursday, 5 December | SICOT Lounge

10:00 - 10:30

Just-A-Minute Paper Session 1

Moderator: Vikas KHANDUJA (UNITED KINGDOM)

- 10:00 The outcomes of closed fracture shaft humerus in adult patients treated with a functional brace
Mohammad REDWAN (OMAN)
- 10:01 Comparison of functional outcome in intertrochanteric fracture operated with proximal femoral nail and calcar replacement bipolar hemiarthroplasty in elderly patients
Hitesh MANGUKIYA, Piyush GAVAI, Kaushik KUMAR (INDIA)
- 10:02 Lower limb malrotation following minimally invasive plating in distal tibia fractures
Marcus LEE (SINGAPORE)
- 10:03 Treatment of hallux valgus using the Isham Reverdin percutaneous technique: about a personal series of 468 Moroccan cases
Ali EL KOHEN (MOROCCO)
- 10:04 Role of conservative treatment of rachitic knee deformities: our experience in 198 knees
Jatin PRAKASH (INDIA)

- 10:05 Effect of extracorporeal shock wave therapy in sickle cell disease related-hip osteonecrosis
Abdulrahman ALGARNI (SAUDI ARABIA)
- 10:06 Supracondylar periprosthetic femoral fractures outcomes following retrograde intramedullary nailing versus distal femoral plating: a systematic review
Tarek BOUTEFNOUCHET, Rosemary WALL, Mateen ARASTU, Bryan RIEMER (UNITED KINGDOM)
- 10:07 Scarf osteotomy without internal fixation for correction of hallux valgus
Abdeljaouad NAJIB (MOROCCO)
- 10:08 Ellipse method for measuring Liaw's anteversion of the acetabular component after total hip arthroplasty
Kuei-Lin YEH, Chen-Kun LIAW, Sheng-Mou HOU (TAIWAN)
- 10:09 Does femoral nerve block for hip fracture patients reduce postoperative delirium?
Suchyun KWEON, Chang-Hyun SHIN, Byung-Tack KWON, Hyun-Gue YOO (SOUTH KOREA)
- 10:10 Effect of fascial surgery on spasticity, dyskinesia and functions of upper extremity in cerebral palsy
Deepak SHARAN (INDIA)
- 10:11 Treatment results with the spino-pelvic fixation for the unstable pelvic ring fractures
Masaru HIYOSHI, Etsuo CHOSA (JAPAN)
- 10:12 Direct anterior minimally invasive surgery (DAMIS) for total hip arthroplasty: evaluation of complications in 617 patients, with a 3-year follow-up
Panagiotis LEPETSOS, Christos MILARAS, Dimitrios TZEFRONIS, Christos CHRISTOFORIDIS, Michalis SARANTIS, Anastasios GKETSOS, George MACHERAS (GREECE)
- 10:13 Manual labour as a risk factor for clinically relevant base of thumb osteoarthritis
Isam ATROSHI¹, Jennifer WOLF², Aleksandra TURKIEWICZ¹, Martin ENGLUND¹
¹(SWEDEN), ²(UNITED STATES)
- 10:14 A single stage distal femoral osteotomy with lateral plating for correction of genu valgum – a case series
Thiyagarajan THIAGARAJAN SINGARAM, Giriraj HARSHAVARDHAN, Gopinath MENON (INDIA)
- 10:15 Total knee prostheses without resurfacing the patella (about 60 cases)
Mohamed Amine EL HALEMI (MOROCCO)
- 10:16 Congenital femoral deficiency – treatment with reconstruction type superhip
Monica Paschoal NOGUEIRA, Francisco VIOLANTE, Fernando FARCETTA (BRAZIL)
- 10:17 Incidence of hip heterotopic ossification in patients treated with open reduction and internal fixation of acetabular fractures
Panagiotis LEPETSOS, Nikolaos BAXEVANOS, Nikolaos LIARAKOS, Marianna KORRE, Dimitrios TZEFRONIS, Anastasios GKETSOS, Nikolaos PREVEZAS (GREECE)
- 10:18 Impact of avascular necrosis in hip reconstruction in cerebral palsy
Monica Paschoal NOGUEIRA, Daniela GOMES, Alexandre ZUCCON, Fernando FARCETTA (BRAZIL)
- 10:19 CT based morphometric study of scaphoid and its implications for safe passage of screws for fixation
Samarth MITTAL, Arvind KUMAR, Vivek TRIKHA (INDIA)
- 10:20 Location of atypical femoral fractures can be determined by the mechanical axis of lower limb: CT-based finite element analysis
JI Wan KIM, Donghwan HWANG, Yongkoo LEE, Jun-KI MOON (SOUTH KOREA)
- 10:21 'Scapulo-humeral manoeuvre' for shoulder dislocations
Sanjay SONANIS, Nitin DESHMUKH, Taha MIR, Sanjay KUMAR (UNITED KINGDOM)

13:05 - 14:00

LIVE OPERATION VIDEO: Stem Cell Therapy for Arthritis and Spinal Cord Injury

15:30 - 16:00

Just-A-Minute Paper Session 2

Moderator: Gowreeson THEVENDRAN (SINGAPORE)

- 15:30 Advantages of treating humeral shaft fractures with medial plating in a polytrauma setting
Rohit PRASAD VARKEY, Prasad VARKEY, Sunil PUTHOOR PAUL (INDIA)
- 15:31 Factors affecting length of stay post total hip and knee arthroplasty
Abhinandan KOTIAN, Singh AYUSH, Arnav SAHU, Abhijeet KUMAR (UNITED KINGDOM)
- 15:32 Is C7 a clinically feasible distal fixation anchor in multilevel posterior cervical fusion surgery? A retrospective radiological follow-up of C7 lateral mass and pedicle screw constructs
Vyom SHARMA, Ajoy SHETTY, Shanmuganathan RAJASEKARAN, Rishi KANNA (INDIA)
- 15:33 Musculotendinous junction injuries of the proximal biceps femoris: a prospective study of 64 patients treated surgically
Atif AYUOB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)
- 15:34 Surgical management of acute semimembranosus injuries in professional athletes – a prospective study
Atif AYUOB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)
- 15:35 Ultrasound guided injection of Morton's neuroma vs operative removal – is the outcome comparable?
Dakshinamurthy SUNDERAMOORTHY, Mohammad Murtaza KHAN, Ikram SAAD (UNITED KINGDOM)
- 15:36 Predictors of needing laminectomy after indirect decompression via initial anterior (ALIF) or lateral (LLIF) lumbar interbody fusion
Daehyun PARK¹, Dean CHOU², Hyungseok LEE¹
¹(SOUTH KOREA), ²(UNITED STATES)
- 15:37 Functional outcome and recurrence rate of arthroscopic bankart repair in Omani patients
Sulaiman AL HAMIMI, Muhannad AL HUNAINI, Ghassan AL YASSARI, Ahmed AL MANDHARI (OMAN)
- 15:38 Post-latarjet alternations in biceps brachii and infraspinatus activity
Marcin DOMZALSKI, Joanna KOWALSKA, Sebastian ZABIEREK, Magdalena FRONCZEK-WOJCIECHOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)
- 15:39 Robotic trauma and orthopaedic surgery: the recent advances and the systematic reviews of literature
Muhammad Zahid SAEED¹, Sameen Arif SAEED¹, Arisha Zahid SAEED², Bushra Zahid SAEED², Zoha Arif SAEED¹, Samar Lal SHAHID¹, Zain AKHTAR¹, Maham KHALID¹, Muhammad Rumman SIKANDAR¹, Muhammad Muaz SIKANDAR¹, Arif SAEED¹, Abid SAEED¹, Aiman HILAL¹, Omema HILAL¹
¹(PAKISTAN), ²(UNITED KINGDOM)
- 15:40 Validation of the Swedish Forgotten Joint Score – 12 (FJS-12), a new patient-reported outcome tool of knee replacements
Siri HEJBEL, Margareta HEDSTROM, Axel HEDIN (SWEDEN)
- 15:41 How degenerative is the tendon in Achilles tendon ruptures?
J Turner VOSELLER, Henrik BACKER, Tony T WONG (UNITED STATES)

- 15:42 Fragment-specific fixation versus volar locking plates in non-reducible or redisplaced distal radius fractures: a 6-8 years' follow-up of a randomised controlled study in 50 patients
Magnus TAGIL, Karl BORGSTRAND, Melker LARSSON, Antonio ABRAMO, Mats GEIJER, Marcus LANDGREN (SWEDEN)
- 15:43 Factors associated with loss of walking ability after a hip fracture
Margareta HEDSTROM, Karl LINDQUIST, Ami HOMMEL, Amer AL-ANI (SWEDEN)
- 15:44 Radiation exposure during antegrade femur nailing
Nasser Mehrab KHAN¹, Ahmed Mounir ELSAYED¹, Abduljabbar ALHAMMOUD¹, Mohammed WASEEMUDDIN²
¹(QATAR), ²(UNITED STATES)
- 15:45 To develop artificial intelligence to measure the amount of displacement of fractures: we devised a manual method to quantify fracture displacement using 3D CT images
Masayuki ITO, Taku SATO, Yumetaka SHINDEN, Syunsuke SATO, Ryosuke MASHIKO, Yosuke MIZUNO, Toshiyuki SUZUKI, Satoshi HATASHITA (JAPAN)
- 15:46 Fragility fractures of the ankle in the frail elderly patient: retrograde hind foot nailing, a promising solution
Qasim AJMI, Tony MCEVOY (UNITED KINGDOM)
- 15:47 Role of multimodal intraoperative neurophysiological monitoring during surgery for cervical myelopathy
Qasim AJMI, Manoj KHATRI (UNITED KINGDOM)
- 15:48 Ponseti method after walking age – a multi-centric study of 429 feet
Tatiana GUERSCHMAN¹, Gabriel FERREIRA¹, Davi De Podesta HAJE¹, Daniel Augusto MARANHO¹, Adolfo Cuauhtemoc Rocha GEDED², Alaric AROOJIS³, Ana Claudia QUEIROZ¹, Anisuddin BHATTI⁴, Antonio Luiz Gonçalves BRANDÃO¹, Edwin Giovanni Valencia LUCERO⁵, Erika Iliana Arana HERNÁNDEZ², Guillermo Oscar Hernández TIERNO¹, Juan Carlos OCAMPO⁶, Jung Ho KIM¹, Leopoldina Milanez Da Silva LEITE¹, Nariman Abol OYOUN⁷, Ranjeet KUMAR⁴, Sandra Jannel Santana CANTO², Monica Paschoal NOGUEIRA¹
¹(BRAZIL), ²(MEXICO), ³(INDIA), ⁴(PAKISTAN), ⁵(ECUADOR), ⁶(COLOMBIA), ⁷(EGYPT)
- 15:49 Comparison of reverse total shoulder arthroplasty outcomes: with vs without subscapularis repair
Seungyong SUNG, Whanyong JUNG (SOUTH KOREA)
- 15:50 Microbiological culture findings of the femoral head as a prognostic factor for infection in primary hip replacement surgery
Raymond MCKENNA, Gavin MCALINDEN (UNITED KINGDOM)
- 15:51 Virtual fracture clinic services and patient satisfaction survey at district general hospital in the United Kingdom
Kotian ABHINANDAN, Ayush SINGH, Mukherjee SUNIRMAL, Ramteke UJJWAL (INDIA)
- 15:52 New innovation for foot drop: internal mechanical device prototype
Bassel EL-OSTA, Marwa FAWAL (LEBANON)

Just-A-Minute Papers | Friday, 6 December | SICOT Lounge

10:00 - 10:30

Just-A-Minute Paper Session 3

Moderator: Peter CNUDE (SWEDEN)

- 10:00 Effect of obesity on functional outcome in primary total knee arthroplasty – an analysis of (214) primary total knee replacements
Ashraf YOUSEF, Ali ALMUKAIMI, Ildar AKHTYAMOV, Sara ZAHER (KUWAIT)
- 10:01 Biplane fractures of the distal femur: a proposed CT based classification and surgical management
Sadiq MOHAMMED, Kulkarni VIKRANT, Chatrashali SHIVARAJ (INDIA)
- 10:02 Bone wax can lead to foreign body reaction and focal osteolysis
Christiane Sylvia LEIBOLD, Rupert LANGER, Florian SCHMARANZER, Klaus Arno SIEBENROCK (SWITZERLAND)
- 10:03 Evaluation of results of wedgeless 'V' shaped distal femoral osteotomy for genu valgum in adolescents (13-18 years)
Nitish KAPIL, Rajkumar SHARMA (INDIA)
- 10:04 Effect of femoral component position relative to tibial insert on clinical outcomes in fixed-bearing unicompartmental knee arthroplasty
Tomoyuki KAMENAGA, Koji TAKAYAMA, Kazunari ISHIDA, Shinya HAYASHI, Shingo HASHIMOTO, Yuichi KURODA, Masanori TSUBOSAKA, Yoshinori TAKASHIMA, Tomoyuki MATSUMOTO, Ryosuke KURODA (JAPAN)
- 10:05 Midterm results of cementless total knee arthroplasty
Kan TAKASE, Narumi NODA (JAPAN)
- 10:06 Outcomes of total knee replacements in Asian patients with early osteoarthritis: to operate or not to operate?
Amritpal SINGH, Choon Chiet HONG, Lingaraj KRISHNA (SINGAPORE)
- 10:07 Qualitative study exploring patient experiences of disability following an open tibia fracture in Malawi
**Alexander SCHADE¹, Eleni KARASOULI¹, Linda CHOKOTHO², Andrew METCALFE¹, William Jim HARRISON¹
¹(UNITED KINGDOM), ²(MALAWI)**
- 10:08 Temozolomide arrests a doxorubicin-resistant follicular dendritic cell sarcoma patient-derived orthotopic xenograft (PDOX) mouse model
**Hirofumi OSHIRO¹, Tasuku KIYUNA¹, Hiroki MAEHARA¹, Robert HOFFMAN², Yasunori TOME¹
¹(JAPAN), ²(UNITED STATES)**
- 10:09 Comparison of long versus short nail for unstable pertrochanteric fracture to prevent excessive neck shortening: a retrospective study
Takahiro INUI, Yoshiaki KURATA, Keisuke ISHII, Takashi SUZUKI, Taketo KUROZUMI, Yoshinobu WATANABE, Hirotaka KAWANO (JAPAN)
- 10:10 Acute vascular injuries in 404 Gartland type III supracondylar fractures of the humerus in children: urgency management and therapeutic consensus
Djamel LOUAHEM M'SABAH (FRANCE)
- 10:11 Hand dominance, clavicle length and shortening in fractures: when deciding to operate, 'first do no harm'
Amritpal SINGH, Zubin J DARUWALLA, Diarmuid Paul MURPHY (SINGAPORE)
- 10:12 Congenital osseous anomalies of the cervical spine: occurrence, morphological characteristics, embryological basis and their clinical significance – a computerised tomography based study
Ankith NV, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJASEKARAN (INDIA)
- 10:13 Surgical outcomes of elderly patients aged more than 80 years with distal radius fracture: comparison of external fixation and locking plate
Yuyi HUANG, Tung-Yi LIN (TAIWAN)
- 10:14 Arthroscopic excision arthroplasty of the sternoclavicular joint for osteoarthritis: a case-series of 50 patients with a minimum 2-year follow-up
Rumina BEGUM, James GILL, Nawfal AL-HADITHY, Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

- 10:15 Melting temperature mapping method for rapid identification of unknown pathogenic microorganisms for periprosthetic hip joint infection
Katsufumi UCHIYAMA, Hideki NIIMI, Keizou SAKURAI, Shinsuke IKEDA, Kensuke FUKUSHIMA, Mitsutoshi MORIYA, Naonobu TAKAHIRA, Isao KITAJIMA, Masashi TAKASO (JAPAN)
- 10:16 Retrospective comparison between surgical outcome of internal fixation for femoral shaft fractures – expandable nails vs interlocking nails
Naresh PANIGRAHI, Satya Ranjan PATRA, Manoj MADINI, Dibya Singha DAS, Indranil DEY, Udit UPADHYAYA, Hemanta Kumar BAMIDI, Siddhartha Shankar MOHANTY (INDIA)
- 10:17 Comparison of MRI measured femoral intercondylar notch width ratio and alpha angle in patients with and without ACL (anterior cruciate ligament injury)
Santosh JEEVANNAVAR, Keshav SHENOY, Prasanna BAINDOOR (INDIA)
- 10:18 Peri-operative mortality in hip arthroplasties: the when, how and why?
Abhinav JOGANI, Atul PANGHATE (INDIA)
- 10:19 The new ulnar window triceps sparing approach for extraarticular distal humeral fractures
Srecko SABALIC, Tomislav CENGIC, Dejan BLAZEVIC, Stjepan CURIC, Lea KALAJZIC, Slaven BABIC (CROATIA)
- 10:20 The effect of NSAIDs on post-fracture bone healing: a meta-analysis of randomized controlled trials
Humaid AL FARII, Leila FARAHDEL, Ali SALIMI, Bernstein MITCHELL (CANADA)
- 10:21 Risk factors for mechanical failure following fixation of proximal femoral fractures with the PFNA II – are they different in Asian patients?
Wei ZHANG, Joshua DECRUZ, Derek Howard PARK, Antony Xavier Rex PREMCHAND (SINGAPORE)
- 10:22 Study of 500 cases of radiological visible pathology of sacroiliac region
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

15:30 - 16:00

Just-A-Minute Paper Session 4

Moderator: Zachary POST (UNITED STATES)

- 15:30 Vascularised fibular graft: results and indications
Reda HARRAR, Abdelhalim OULD ROUIS, Kamel ACHOUR, Mourad OUBIRA, Chafiza GRARADJ, Mourad HAMIDANI (ALGERIA)
- 15:31 A prospective cohort study assessing the surgical team's learning curve with robotic total knee arthroplasty in a high-volume arthroplasty centre
Atif AYUOB, Babar KAYANI, Sujith KONAN, Huq SUMON, Jenni TAHMASSEBI, Haddad FARES (UNITED KINGDOM)
- 15:32 Influence of the local correction on the sagittal balance obtained by mechanical kyphoplasty: preliminary results of a multicentric retrospective study, the 'Aurora Project'
Andrea PANTALONE, Elda ANDREOLI, Pedro BERJANO, Vincenzo SALINI, Daniele VANNI (ITALY)
- 15:33 A surgical algorithm for the management of recalcitrant distal femur nonunions based on distal femoral bone stock, fracture alignment, medial void and stability of fixation
Bhaskara Kanakeshwar RAJA, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 15:34 FHL transfer in treatment of neglected Achilles tendon rupture
Radek HART (CZECH REPUBLIC)

- 15:35 A polyurethane partial meniscal implant for chronic painful partial meniscectomy: a 5-year follow-up evaluation
René VERDONK, Aad DHOLLANDER, Peter VERDONK (BELGIUM)
- 15:36 Management of acute high grade acromioclavicular joint dislocations by arthroscopic dog bone button and fibretape – preliminary results
Sandesh MADI SURAL, Vivek PANDEY, Kiran ACHARYA (INDIA)
- 15:37 Arthroscopic fixation of tibial eminence fractures using suture bridge technique: a case series
Prabhakar VENKATARAMANA, Mohan Kumar J, Mahesh MN, Vijay M (INDIA)
- 15:38 Early clinical results of modified triple-row arthroscopic rotator cuff repair
Hideaki ASAI, Takashi YAMAZAKI, Nobuhiro HARA, Sakae TANAKA (JAPAN)
- 15:39 Identifying the risky drilling holes in clavicular fixation with a 3.5 mm LCP reconstruction plate by measuring the distances from screw tips and plate to the neurovascular structure using superior and anteroinferior plates: a cadaveric study
Chaiwat CHUAYCHOOSAKOON, Porames SUWANNO, Sittipong SUWANNAPISIT, Prapakorn KLABKLAY, Wachirapan PARINYAKUP, Korakot MALIWANKUL, Yada DUANGNUMSAWANG, Tanarat BOONRIONG, Boonsin TANGTRAKULWANICH (THAILAND)
- 15:40 New technique of ulnar nerve stabilisation during anterior transposition for cubital tunnel syndrome
Takakazu HIRAYAMA, Masaaki SHINDO (JAPAN)
- 15:41 Biomechanical analysis of rotator cuff with 3D modeling
Hanbo WANG, Jinwu WANG, Yuanjing XU, Han YANG, Keming WAN (CHINA)
- 15:42 A novel method of tendo-Achilles repair
Mohamed RASHED, Zakaryia ISHWIA, Turkla EL-ROUK (LIBYA)
- 15:43 Does the presence of a partial rotator cuff tear affect functional outcome after capsular release in patients with a frozen shoulder?
Winston Shang Rong LIM, Amit Kanta MITRA, Paul Chee Cheng CHANG (SINGAPORE)
- 15:44 Minimal invasive plate osteosynthesis of humeral shaft fractures
Mustafa MESRIGA, Mahmoud HADHOUD (EGYPT)