

## Friday, 18 September

Time	Hall 1 Lingnan	Hall 2 Guangdong Grand	Hall 3 Qinghe	Hall 4 Foshan	Hall 5 Zhaoqing	Hall 6 Yangjiang	Hall 7 Zhongshan	Hall 8 Dongguan
08:30-10:00	<i>Symposium Trauma</i> Fractures of the Pelvis & Acetabulum  Page 122	<i>Symposium Hip</i> Arthroscopy  Page 126	<i>Free Papers Shoulder &amp; Elbow</i> Arthroscopy  Page 131		<i>Symposium</i> Kashin-Beck Disease  Page 143	<i>WOC Symposium</i>  Page 149	<i>Free Papers Research I</i>  Page 153	<i>Course</i> Training Reviewers for Medical Journals  Page 159
10:00-10:30	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>
10:30-12:00	<i>Symposium Trauma</i> Fractures of the Femur  Page 122	<i>SICOT/SRS Symposium</i> Paediatric Spinal Problems  Page 126	<i>Invited Lecture &amp; Free Papers</i> <b>Shoulder &amp; Elbow II</b>  Page 132	<i>Free Papers</i> Rheumatology & Miscellaneous  Page 137	<b>Best Papers Session</b>  Page 144	<i>WOC Closed Meeting</i>  Page 149	<i>Free Papers Research II</i>  Page 154	<i>Symposium</i> International Orthopaedics Journal - SICOT Academic Writing in Orthopaedics  Page 160
12:00-12:30	<b>Plenary Lecture (in Hall 1 Lingnan) – Emily CHAN (HONG KONG, CHINA)</b> <b>UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS)</b> <b>IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY</b>							
12:30-13:30	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>	<i>Industry-Sponsored Symposium</i>
13:30-14:00	<b>Chinese Programme Trauma III</b>  Page 123	<b>Chinese Programme Spine III</b>  Page 127	<b>Chinese Programme Joint III</b>  Page 134	<b>Chinese Programme Minimally Invasive Surgery III</b>  Page 139	<b>Chinese Programme Microsurgery III</b>  Page 145	<b>Chinese Programme Foot &amp; Ankle III</b>  Page 150	<b>Chinese Programme Research III</b>  Page 155	<b>Chinese Programme Sports Medicine III</b>  Page 160
14:00-15:30								
15:30-16:00								
16:00-17:30								

Hall 9 Jiangmen	Hall 10 Jieyang	Hall 11 Maoming	Hall 12 Shenzhen	Hall 13 Shantou	Hall 14 Qingyuan	Hall 15 Yunfu	Hall 16 Hongmian
Symposium <b>Paediatrics</b> Update in Paediatric Orthopaedics  Page 164	<i>Free Papers</i> <b>Hip</b> Bearing Surface & Bipolar Total Hip Arthroplasty  Page 168		<i>Free Papers</i> <b>Sports Medicine</b> Arthroscopy & Miscella- neous  Page 173	<i>Free Papers</i> <b>Spine</b> Congenital  Page 177		<b>Chinese Programme</b> <b>Trauma</b> Cross-Strait I  Page 186	
<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>
<i>Free Papers</i> <b>Paediatrics I</b>  Page 165	<i>Symposium</i> Advance Bearing  Page 169	<b>ARTOF</b> <i>Instructional Course</i> Update on Peripros- thetic Fractures  Page 171	<i>Symposium</i> <b>Sports Medicine</b> Meniscus  Page 174	<i>Free Papers</i> <b>Spine</b> Cervical  Page 178	<i>Short Oral Presentations</i> Trauma - Miscella- neous  Page 182	<b>Chinese Programme</b> <b>Trauma</b> Cross-Strait II  Page 188	
<b>Plenary Lecture (in Hall 1 Lingnan) – Emily CHAN (HONG KONG, CHINA)</b> <b>UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS)</b> <b>IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY</b>							
<b>Break</b>	<i>Industry- Sponsored Symposium</i>	<i>Industry- Sponsored Symposium</i>	<i>Industry- Sponsored Symposium</i>	<i>Industry- Sponsored Symposium</i>	<b>Press Conference for Osteoporotic Fractures</b>	<i>Industry- Sponsored Symposium</i>	<i>Industry- Sponsored Symposium</i>
			<b>Break</b>	<b>Break</b>	<b>Break</b>		
<i>Free Papers</i> <b>Paediatrics II</b>  Page 166	<i>Symposium</i> <b>Hip</b> Proximal Femoral Fractures in the Elderly - How to Decrease a Catastrophic Issue?  Page 169	<i>Free Papers</i> <b>Trauma</b> Tibia - Miscella- neous  Page 171	<i>Free Papers</i> <b>Sports Medicine</b> Knee Arthroscopy - Ligaments I  Page 175	<i>Free Papers</i> <b>Spine</b> Deformities I  Page 179	<i>Short Oral Presentations</i> Research I  Page 183	<b>Chinese Programme</b> AO Trauma China - Upper Limbs  Page 188	
<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>
<i>Symposium</i> <b>Research</b> Methodo- logies - Surgeon to Scientist  Page 167	<i>Instructional Course</i> <b>Hip</b> Hip Preserving Surgery in Young Adults  Page 170	<i>Free Papers</i> <b>Trauma</b> Upper Limb I  Page 172	<i>Free Papers</i> <b>Sports Medicine</b> Knee Arthroscopy - Ligaments II  Page 176	<i>Free Papers</i> <b>Spine</b> Deformities II  Page 180	<i>Short Oral Presentations</i> Hand  Page 185	<b>Chinese Programme</b> AO Trauma China - Lower Limbs  Page 189	



**Friday, 18 September**

**Hall 1 Lingnan**

08:30 - 10:00

***Symposium – Trauma: Fractures of the Pelvis & Acetabulum***

*Moderators:*

Jordan SAVESKI (MACEDONIA), Ivan TARKIN (UNITED STATES)

**MANAGEMENT OF PELVIC FRACTURES**

Ivan TARKIN (UNITED STATES)

**SURGICAL TREATMENT OF COMBINED ACETABULAR AND PELVIC RING FRACTURES**

Jordan SAVESKI (MACEDONIA)

**TRAUMATIC PELVIC-ACETABULUM DISSOCIATION INJURIES**

Dariush GOURAN SAVADKOOHI (IRAN)

**ACETABULUM FRACTURES IN THE ELDERLY: CURRENT CONCEPTS**

Hans-Christoph PAPE (GERMANY)

**PELVIC FRACTURES IN THE ELDERLY**

Frankie LEUNG (HONG KONG, CHINA)

**EXTRA-PERITONEAL PRESSURE PACKING: LIFE-SAVING PELVIC PACKING IN MULTI-TRAUMA**

Vilmos VECSEI (AUSTRIA)

**DISCUSSION**

10:00 - 10:30

***Break***

10:30 - 12:00

***Symposium – Trauma: Fractures of the Femur***

*Moderators:*

Frankie LEUNG (HONG KONG, CHINA), Cyril MAUFFREY (UNITED STATES)

**TREATMENT OF PAEDIATRIC FEMORAL FRACTURES**

Tomas TRC (CZECH REPUBLIC)

**FIXATION OF FEMORAL FRACTURES BY ANTEGRADE INTRAMEDULLARY NAILS**

Stephan FRENZEL, Vilmos VECSEI(AUSTRIA)

**FIXATION OF FEMORAL FRACTURES BY RETROGRADE INTRAMEDULLARY NAILS**

Gershon VOLPIN (ISRAEL)

**TREATMENT OF INFECTED NON-UNION OF FEMORAL FRACTURES**

Frankie LEUNG (HONG KONG, CHINA)

**FIXATION OF DISTAL FEMORAL FRACTURES**

Cyril MAUFFREY (UNITED STATES)

**MY EXPERIENCE WITH FEMORAL FRACTURES IN UNSTABLE  
POLYTRAUMATISED PATIENTS**

Roman PFEIFER (GERMANY)

**DISCUSSION**

12:00 - 12:30 *Plenary Lecture – Emily Chan*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30 *Industry-Sponsored Symposium*

13:30 - 13:45 *Instructional Course – Trauma II (Chinese Programme)*

*Moderators:*

Decheng LV, Yongqing XU, Dongsheng ZHOU (CHINA)

**PAST, PRESENT AND FUTURE OF MINIMALLY INVASIVE REDUCTION AND  
INTERNAL FIXATION IN TREATMENT OF FRACTURES**

Yingze ZHANG (CHINA)

13:45 - 17:20 *Invited Lectures & Free Papers – Trauma III (Chinese Programme)*

*Moderators:*

13:45 - 14:20 Yunzhen CHEN, Tienan WANG, Yun TIAN (CHINA)

*Invited Speaker*

**SURGICAL TECHNIQUE AND INNOVATION OF TRAUMATIC  
ORTHOPAEDICS**

Peifu TANG (CHINA)

**6002 COMPLICATIONS OF DISTAL FEMORAL FRACTURES TREATED BY  
LOCKING PLATE**

Zhechen GAO (CHINA)

**676 TREATMENT AND PERIOPERATIVE MANAGEMENT OF HIP FRACTURES COMBINED WITH IMPORTANT ORGAN FAILURE (A REPORT OF 35 CASES)**

Aimin WANG (CHINA)

**969 TREATMENT OF TYPE IV PIPKIN FRACTURE BY IMPROVED GANZ OSTEOTOMY**

Xiaozhong ZHU (CHINA)

**1198 SURGICAL TREATMENT OF TYPE IV SCHATZKER TIBIAL PLATEAU FRACTURES**

Jin XIONG (CHINA)

*Discussion Panelists:*

14:20 - 14:30 Honghui CHEN, Liming FANG, Baojun WANG, Daping WANG, Sheng TAO (CHINA)

*Moderators:*

14:30 - 15:10 Yue WANG, Xianhua CAI, Peng LIN (CHINA)

*Invited Speaker*

**PROBLEMS AND STRATEGIES OF SURGICAL TREATMENT FOR INTERTROCHANTERIC FRACTURE**

Bin YU (CHINA)

**1741 MASQUELET TECHNIQUE FOR REPAIRING LARGE BONE DEFECT**

Yi ZHANG (CHINA)

**3025 MECHANICAL STABILITY IS THE MOST IMPORTANT FACTOR FOR NON-UNION**

Liang SUN (CHINA)

**3708 ANALYSIS OF REDUCTION LOSS WITH AXIAL COMPRESSION INTRAMEDULLARY SYSTEM FOR FEMORAL INTERTROCHANTERIC FRACTURE**

Dacheng HAN (CHINA)

**260 TREATMENT OF DISTAL HUMERAL SHAFT FRACTURE BY MINIMALLY INVASIVE APPROACH**

Lianhua LI (CHINA)

**294 RELIABILITY AND CLINICAL VALUE OF CLASSIFICATION SYSTEM OF MIDDLE COLUMN FRACTURES OF DISTAL RADIUS**

Qudong YIN (CHINA)

*Discussion Panelists:*

15:10 - 15:20 Zhou XIANG, Hua CHEN, Dianying ZHANG, Jian ZHANG (CHINA)

*Moderators:*

15:20 - 15:50 Maoqi GONG, Weiguo LIANG, Junlin ZHOU (CHINA)

*Invited Speaker*

**MINIMALLY INVASIVE TREATMENT OF PELVIC FRACTURES**

Lihai ZHANG (CHINA)

**614 TREATMENT OF PIPKIN TYPE II FEMORAL HEAD FRACTURES BY MODIFIED S-P APPROACH**

Guodong WANG (CHINA)

**3227 PRECISION INTERNAL FIXATION FOR COMPLEX TIBIAL PLATEAU FRACTURES WITH THE AID OF 3D PRINTING NAVIGATION AND THREE-DIMENSIONAL MODEL OF THE STEEL PLATE**

Huajun HUANG (CHINA)

**3248 ESTABLISHMENT OF NEW ASSESSMENT SYSTEM AND EXPLORATION OF PERIOPERATIVE COMPLICATIONS AND MORTAL RISK FACTORS IN AGED PATIENTS HIP FRACTURES**

Liangyuan WEN (CHINA)

*Discussion Panelists:*

15:50 - 16:00

Liangyuan WEN, Aiguo SONG, Qiang ZHANG, Shuming ZHANG (CHINA)

*Moderators:*

16:00 - 16:30

Jian LIU, Kejian WU, Shicai FAN (CHINA)

*Invited Speaker*

**STRATEGY FOR REPAIRING NERVE INJURY**

Zhenggang BI (CHINA)

**396 THREE-COLUMN INTERNAL FIXATION WITH FLOATING BODY IN TREATMENT OF COMPLEX TIBIAL PLATEAU FRACTURES BY POSITION**

Huading LU (CHINA)

**3343 INTERNAL AND EXTERNAL COLUMN PLATE FIXATION FOR COMPLEX PILON FRACTURES**

Zhi YUAN (CHINA)

**3480 LOCKING INTRAMEDULLARY NAIL IN TREATMENT OF TIBIAL FRACTURE THROUGH SUPRAPATELLAR PORTAL UNDER CONTINUOUS TRACTION**

Yalong ZHU (CHINA)

*Discussion Panelists:*

16:30 - 16:40

Yan GUO, Qiang DONG, Dankai WU, Jianping LIN, Licheng ZHANG (CHINA)

*Moderators:*

16:40 - 17:10

Yimin CHAI, Guangyao LIU, Qingwei LIANG (CHINA)

*Invited Speaker*

**PROBLEMS AND STRATEGIES OF PELVIC FRACTURES**

Xiaoshan GUO (CHINA)

**3314 FAILURE FACTOR ANALYSIS OF ANATOMIC PLATE AND CLINICAL OUTCOMES OF TKA FOR FEMORAL INTERTROCHANTERIC FRACTURE IN AGED PATIENTS**

Ning DUAN (CHINA)

**4033 APPLICATION OF IMAGE POST-PROCESSING IN DIAGNOSIS OF COMPLEX TIBIAL PLATEAU FRACTURES AND PREOPERATIVE SURGICAL DESIGN**

Yun ZHU (CHINA)

**4008 ANALYSIS OF THE HIGH DEATH OF THE AGED AFTER HIP FRACTURE IN CHINA**

Shaoguan LI (CHINA)

17:10 - 17:20

*Discussion Panelists:*

Haibo YANG, Dongsheng ZHAO, Hailun GU, Jinhui WANG (CHINA)



**Friday, 18 September**

**Hall 2 Guangdong Grand**

08:30 - 10:00

***Symposium – Hip: Arthroscopy***

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

**INTRODUCTION & WELCOME**

Vikas KHANDUJA (UNITED KINGDOM)

**ARTHROSCOPIC ACCESS TO THE HIP JOINT**

Hatem SAID (EGYPT)

**INDICATIONS FOR HIP ARTHROSCOPY WITH SPECIAL REFERENCE TO CHINA**

Jianhao LIN (CHINA)

**ARTHROSCOPIC MANAGEMENT OF FEMOROACETABULAR IMPINGEMENT**

Vikas KHANDUJA (UNITED KINGDOM)

**COMPLICATIONS FOLLOWING HIP ARTHROSCOPY**

Zhanjun SHI (CHINA)

**OUTCOMES FOLLOWING HIP ARTHROSCOPY**

Vijay SHETTY (INDIA)

10:00 - 10:30

***Break***

10:30 - 12:00

***SICOT/SRS (Scoliosis Research Society) Symposium – Paediatric Spinal Problems***

*Moderators:*

Shanmuganathan RAJASEKARAN (INDIA), John DORMANS (UNITED STATES)

**GROWTH OF SPINE AND ITS RELEVANCE TO SURGEON**

Keith LUK (HONG KONG, CHINA)

**PAEDIATRIC SPINAL DEFORMITIES WITH INTRADURAL ABNORMALITIES**

Jianxiong SHEN (CHINA)

**HEMIVERTEBRA – THE GOOD, THE BAD AND THE UGLY**

Cody BÜNGER (DENMARK)

**EOS – CURRENT CONCEPTS AND MANAGEMENT**

Kenneth CHEUNG (HONG KONG, CHINA)

**GROWTH RODS – WHEN DOES IT WORK AND DOES NOT?**

John DORMANS (UNITED STATES)

**POST TB KYPHOTIC DEFORMITY**

Shanmuganathan RAJASEKARAN (INDIA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 13:45

*Instructional Course – Spine II (Chinese Programme)*

*Moderators:*

Wen YUAN, Huiyong SHEN, Feng LI (CHINA)

**THE PRINCIPLES AND TECHNIQUES OF THE TREATMENT OF SPINE  
TUMOUR**

Zhongjun LIU (CHINA)

13:45 - 17:40

*Free Papers – Spine III (Chinese Programme)*

13:45 - 14:20

*Moderators:*

Wen YUAN, Huiyong SHEN, Feng LI (CHINA)

**685**

**THE DIAGNOSIS SIGNIFICANCE OF “DUAL TAIL SIGN” OF MRI FOR  
INTRADURAL EXTRAMEDULLARY TUMOUR**

Xin ZHAO (CHINA)



- 4192 SHORT SEGMENTAL FIXATION COMBINED WITH WALLIS SYSTEM FOR THE TREATMENT OF SYMPTOMATIC DEGENERATIVE LUMBAR DEFORMITY**  
Ning LU (CHINA)
- 4032 THE SIGNIFICANCE OF NURSING INTERVENTION FOR CEREBROSPINAL FLUID LEAKAGE AFTER LUMBAR OPERATION**  
Yuanyuan GUO (CHINA)
- 9012 SURGICAL TREATMENT OF UPPER LUMBAR DISC HERNIATION**  
Hongjian LIU (CHINA)
- 2436 THE TOP 50 CITED ARTICLES OF SPINE SURGERY IN CHINA**  
Congliang YAO (CHINA)
- 2487 THE SIGNIFICANCE OF PREOPERATIVE INDIVIDUALISED DESIGN OF SURGICAL TREATMENT OF NF-1 SCOLIOSIS**  
Qiang JIE (CHINA)
- 4863 BIOMECHANICAL MECHANISM ANALYSIS OF LUMBAR SPONDYLOLYSIS**  
Hui MA (CHINA)
- Discussion Panelists:*  
14:20 - 14:30 Anmin JIN, Bin LIN, Qun XIA, Jian DONG (CHINA)
- Moderators:*  
14:30 - 15:05 Zili WANG, Yuanzheng MA, Zengming XIAO (CHINA)
- 3563 ONE-STAGE POSTERIOR DEBRIDEMENT AND INTERNAL FIXATION WITH INTERBODY FUSION FOR THE TREATMENT OF UPPER THORACIC SPINAL TUBERCULOSIS**  
Hongqi ZHANG (CHINA)
- 1059 CLINICAL OUTCOME OF SURGICAL TREATMENT OF INTERVERTEBRAL DISC INFECTIONS**  
Lin CAI (CHINA)
- 2131 THE EXPERIMENTAL STUDY OF SUSTAINED DRUG RELEASE OF POLYMER ARTIFICIAL BONE CARRYING ANTI-TUBERCULOSIS DRUGS: AN IN VIVO STUDY**  
Jian WANG (CHINA)
- 1663 SURGICAL TREATMENT OF THORACOLUMBAR SPINAL TUBERCULOSIS VIA COMBINED ANTERIOR AND POSTERIOR APPROACH**  
Wei ZHANG (CHINA)
- 3298 EARLY DIAGNOSIS AND TREATMENT OF INTERVERTEBRAL SPACE INFECTIONS AFTER LUMBAR OPERATIONS**  
Xiongwen LIU (CHINA)

**2025 THE TREATMENT OF SECONDARY TUBERCULOSIS INFECTION AFTER VERTEBRAL AUGMENTATION**

Bin MENG (CHINA)

**108 DIAGNOSIS AND SURGICAL TREATMENT OF THE SPONDYLITIS OF BACILLUS INFECTION**

Aili ABUDUNAIBI (CHINA)

15:05 - 15:15

*Discussion Panelists:*

Yunbing CHANG, Xun MA, Dike RUAN (CHINA)

15:15 - 15:50

*Moderators:*

Qingshui YIN, Chunde LI, Jianting CHEN (CHINA)

**410 ONE-STAGE RETROPHARYNGEAL ANTERIOR RELEASE COMBINED WITH POSTERIOR FIXATION AND FUSION FOR THE TREATMENT OF IRREDUCIBLE ATLANTOAXIAL DISLOCATION**

Feng XU (CHINA)

**1318 PRELIMINARY APPLICATION OF n-HA/PA66 BIOACTIVE ARTIFICIAL CERVICAL VERTEBRAL BODY**

Dianming JIANG (CHINA)

**4133 UNILATERAL C1-2 PEDICLE SCREW FIXATION FOR THE TREATMENT OF UNSTABLE ATLAS FRACTURES**

Jianguang XU (CHINA)

**3568 COMPARISON OF THE EFFECT OF ANTERIOR ODONTOID SCREW FIXATION AND POSTERIOR ATLANTOAXIAL PEDICLE SCREW FIXATION FOR THE TREATMENT OF ODONTOID TYPE 2 FRACTURE**

Suomao YUAN (CHINA)

**1330 POSTERIOR NON-FUSION TECHNIQUES FOR THE ATLANTOAXIAL FRACTURES**

Xiangyang MA (CHINA)

**4219 COMPARISON OF THE EFFECT OF INTRAOPERATIVE 3D NAVIGATION AND INTRAOPERATIVE REAL-TIME FLUOROSCOPY ON LATERAL AND PEDICLE SCREW IMPLANTATION FOR THE TREATMENT OF ATLANTOAXIAL INSTABILITY**

Yongliang YANG (CHINA)

**4811 C-ARM GUIDED SINGLE PERCUTANEOUS ANTERIOR ODONTOID SCREW FIXATION FOR THE TREATMENT OF FRESH ODONTOID TYPE 2 FRACTURE**

Qianfen CHEN (CHINA)

15:50 - 16:00

*Discussion Panelists:*

Fobao LI, Jianxiong SHEN, Dongsheng HUANG, Weihu MA, Yue ZHU, Da HE (CHINA)

16:00 - 16:45

*Moderators:*

Tiansheng SUN, Weibin SHENG, Wenwen WU (CHINA)

- 2412 SURGICAL TREATMENT OF LOWER CERVICAL FRACTURES AND DISLOCATIONS IN PATIENTS WITH ANKYLOSING SPONDYLITIS**  
Huajiang CHEN (CHINA)
- 552 POSTERIOR SHORT SEGMENT FIXATION COMBINED WITH DECOMPRESSION FOR THE TREATMENT OF UPPER LUMBAR BURST FRACTURES**  
Jiabing XIE (CHINA)
- 2238 SURGICAL TREATMENT OF FLUOROSIS CERVICAL SPINE CANAL STENOSIS AND SPINAL CORD INJURY WITHOUT RADIOGRAPHIC FRACTURES AND DISLOCATIONS**  
Yimin WU (CHINA)
- 3406 SPINAL CORD DECOMPRESSION WITH DURAL MATER OR SPINAL CORD INCISION FOR THE TREATMENT OF SEVERE EDEMA OR INTRAMEDULLARY HEMATOMA AFTER SPINAL CORD INJURY**  
Xiaodong GUO (CHINA)
- 4327 MODIFIED PEDICLE SUBTRACTION OSTEOTOMY FOR THE TREATMENT OF ANDERSSON FRACTURES IN PATIENTS WITH ANKYLOSING SPONDYLITIS**  
Xuesong ZHANG (CHINA)
- 1778 TREATMENT OF CERVICAL SPINAL CORD INJURY IN AGED PATIENTS WITHOUT RADIOGRAPHIC FRACTURES AND DISLOCATIONS**  
Xinhui GUO (CHINA)
- 404 TREATMENT OF COMPLICATIONS OF SURGERY IN OCCIPITAL-CERVICAL REGION**  
Hui KANG (CHINA)
- 4927 THE PREVENTION OF EPIDURAL HEMATOMA AFTER ANTERIOR CERVICAL SPINAL CORD DECOMPRESSION**  
Xuan HUANG (CHINA)
- 515 OPTIMAL SURGICAL TREATMENT FOR THE FAILED BACK SURGERY SYNDROME**  
Yuji WANG (CHINA)

*16:45 - 16:55 Discussion Panelists:*  
Chienlin LIU, Jianzhong HU, Wei LEI, Yu LIANG, Qixin CHEN, Yi LIU (CHINA)

*16:55 - 17:30 Moderators:*  
Xinlong MA, Hong XIA, Dongbin QU (CHINA)

- 157 META-ANALYSIS OF THE EFFECT AND SAFETY OF THE BONE GRAFT FUSION COMBINED WITH THE POROSITY INTERNAL FIXATION FOR THE TREATMENT OF CERVICAL AND LUMBAR DISEASES**  
Hanqiang OUYANG (CHINA)

- 2493 SUBMANDIBULAR RETROPHARYNGEAL CERVICAL VERTEBRA HOOK-PLATE FOR THE TREATMENT OF C2 VERTEBRAL BODY LESIONS**  
Wenjun WANG (CHINA)
- 2502 THE DYNAMIC CHANGES OF LIGAMENTUM FLAVUM OF THE CERVICAL SPINE BY DYNAMIC MAGNETIC RESONANCE IMAGING**  
Yang CAO (CHINA)
- 2765 APPLICATION OF ULTRASONIC OSTEOTOME IN THE THORACIC SPINE DISEASES**  
Chuiguo SUN (CHINA)
- 2888 A LITERATURE SURVEY OF CHINA'S CONTRIBUTION TO SPINE SURGERY IN THE WORLD**  
Zhiwei JIA (CHINA)
- 5203 TREATMENT OF DISCOGENIC LOW BACK PAIN BY MINIMALLY INVASIVE LUMBAR DISC SHUNT**  
Jinhui SHI (CHINA)
- 2165 EARLY CLINICAL OUTCOME OF POLYAMINO ACID / HYDROXYAPATITE / CALCIUM SULFATE SUPPORTED COMPOSITE BONE IMPLANT IN LUMBAR FUSION**  
Yunbing JIA (CHINA)

17:30 - 17:40

*Discussion Panelists:*

Yisheng WANG, Qun YANG, Dingkun LIN (CHINA)



**Friday, 18 September**  
**Hall 3 Qinghe**

08:30 - 10:00

**Free Papers – Shoulder & Elbow: Arthroscopy**

*Moderators:*

Vojtech HAVLAS (CZECH REPUBLIC), Peilai LIU (CHINA)

- 42351 USING 70° ARTHROSCOPY FROM POSTERIOR PORTAL FOR FIXING ACUTE ACROMIOCLAVICULAR DISLOCATION OR DISTAL PART OF CLAVICLE FRACTURE WITH DOUBLE CORTICAL BUTTONS**  
Yu DANG (CHINA)
- 42347 ARTHROSCOPY-ASSISTED RECONSTRUCTION OF CORACOCALVICULAR LIGAMENT BY ENDOBUTTON FIXATION FOR TREATMENT OF ACROMIOCLAVICULAR JOINT DISLOCATION**  
Zhaoxun PAN (CHINA)

- 42342 CLAVICLE AND CORACOID PROCESS DRILLING TECHNIQUE FOR TRULY ANATOMIC CORACOCALVICULAR LIGAMENT RECONSTRUCTION**  
Jiahu FANG (CHINA)
- 41033 MORPHOLOGY OF ACROMIAL SPUR: CORRELATION BETWEEN ROCKWOOD TILT VIEW AND ARTHROSCOPIC FINDING**  
Pinkawas KONGMALAI, Bancha CHERNCHUJIT (THAILAND)
- 42348 ULTRASONOGRAPHIC AND MAGNETIC RESONANCE IMAGING OF ROTATOR CUFF TEARS COMPARED WITH ARTHROSCOPY FINDINGS**  
Yaonan ZHANG (CHINA)
- 42346 SINGLE-ROW VERSUS DOUBLE-ROW ARTHROSCOPIC REPAIR IN THE TREATMENT OF ROTATOR CUFF TEARS**  
Chengmin CHEN (CHINA)
- 42345 ARTHROSCOPIC TREATMENT OF INTRATENDINOUS PARTIAL-THICKNESS ROTATOR CUFF TEARS**  
Jian XIAO (CHINA)
- 42343 ARTHROSCOPIC TREATMENT FOR BANKART REPAIR COMBINED WITH FRACTURE OF ANTERIOR GLENOID IN RECURRENT ANTERIOR DISLOCATION OF SHOULDER**  
Hui YAN (CHINA)
- 42344 THE NEW CONCEPTS OF SHOULDER INSTABILITY: NOT ONLY FROM THE GLENOID, ALSO FROM THE HUMERAL HEAD**  
Binghua ZHOU (CHINA)
- 39962 LIPOSOMAL BUPIVACAINE VS. INTERSCALENE NERVE BLOCK FOR PAIN CONTROL AFTER SHOULDER ARTHROPLASTY: A RETROSPECTIVE COHORT ANALYSIS**  
Uma SRIKUMARAN, Catherine HANNAN, Matthew ALBRECHT, Edward MCFARLAND, Bashir ZIKRIA, Steve PETERSEN (UNITED STATES)

10:00 - 10:30 **Break**

10:30 - 12:00 **Invited Lecture & Free Papers – Shoulder & Elbow II**

*Moderators:*

Aimin CHEN (CHINA), Pierre HOFFMEYER (SWITZERLAND)

*Invited Speaker*

**SHOULDER APPREHENSION AND CEREBRO-CORTICAL PATHWAYS: A NEW APPROACH**

Pierre HOFFMEYER, Sven HALLER, Gregory CUNNINGHAM, Alexandre LAEDERMANN (SWITZERLAND)

- 40651 REDUCING THE RATE OF PRIMARY ANTERIOR SHOULDER RE-DISLOCATION USING AN ALTERNATIVE PROTOTYPE BRACE IN EXTERNAL ROTATION**  
Antonio Jr. GO, Ruperto Jr. ESTRADA (PHILIPPINES)
- 41742 COMPARISON BETWEEN THE S3 PLATE AND THE PROXIMAL HUMERAL LOCKING PLATE IN THE TREATMENT OF UNSTABLE PROXIMAL HUMERAL FRACTURES**  
Fan ZHANG, Aimin CHEN (CHINA)
- 40541 CAUSE ANALYSIS AND THE COUNTERMEASURES OF HOW TO PREVENT IATROGENIC FRACTURE-DISLOCATION OF THE PROXIMAL HUMERUS WHEN REDUCING ANTERIOR SHOULDER DISLOCATIONS**  
Xiaoming WU (CHINA)
- 39966 EFFECTS OF ANTEROINFERIOR LABROCARILAGINOUS COMPLEX DEFECT ON STABILITY OF THE SHOULDER THROUGH BICEPS TENDON RECONSTRUCTION: AN IN VITRO STUDY**  
Fuguo HUANG (CHINA)
- 39250 SUPRASCAPULAR NOTCH VIEW – A NEW RADIOLOGICAL PROJECTION TECHNIQUE TO VIEW THE SUPRASCAPULAR NOTCH**  
Sarthak PATNAIK (INDIA)
- 41632 TRICEPS ACTIVATION AMPLITUDES DURING FUNCTIONAL ACTIVITIES**  
Srinath KAMINENI, Corey GILDEA, Art NITZ, Timothy UHL (UNITED STATES)
- 42341 OPEN REDUCTION AND INTERNAL FIXATION FOR TREATMENT OF FLOATING SHOULDER INJURY**  
Lifeng DING (CHINA)
- 39274 REVERSE SHOULDER ARTHROPLASTY FOR THE TREATMENT OF HUMERAL HEAD FRACTURES IN THE ELDERLY – TUBEROSITY FIXATION LEADS TO IMPROVED EXTERNAL ROTATION, STRENGTH AND HEALTH-RELATED QUALITY OF LIFE**  
David MERSCHIN, Johannes KECK, Richard STANGL (GERMANY)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 13:45

*Instructional Course – Joint II (Chinese Programme)*

*Moderators:*

Xisheng WENG, Fuxing PEI (CHINA)

**FACING TUMOURS WITH SKELETAL METASTASES**

Kerong DAI (CHINA)

13:45 - 17:30

*Free Papers – Joint III (Chinese Programme)*

13:45 - 14:40

*Moderators:*

Kwongyuen CHIU, Deming XIAO, Haishan WU (CHINA)

- 2543 THE CORRELATION BETWEEN INTRAOPERATIVE FROZEN-SECTION PATHOLOGY AND BLOOD ESR, CRP AND WBC OF NON-INFECTIOUS DISEASES IN PRIMARY JOINT ARTHROPLASTY**  
Zhaoming ZHANG (CHINA)
- 3132 PROXIMAL TIBIAL FRACTURES TREATED WITH META INTRAMEDULLARY NAIL IN SUPRAPATELLAR APPROACH**  
Wei GAO (CHINA)
- 3193 THE RELATIONSHIP BETWEEN SEASON AND PERIPROSTHETIC JOINT INFECTION**  
Jin LIN (CHINA)
- 3956 DIAGNOSIS AND TREATMENT OF EARLY PERIPROSTHETIC JOINT INFECTION AFTER JOINT ARTHROPLASTY**  
Wenming ZHANG (CHINA)
- 4434 ONE-STAGE KNEE JOINT ARTHROPLASTY FOR CHRONIC ACTIVE KNEE TUBERCULOSIS**  
Xunwu HUANG (CHINA)
- 1162 THE DIFFERENTIAL EFFECT OF TWO KINDS OF ANTICOAGULANT ON HIDDEN BLOOD LOSS IN PATIENTS FOLLOWING THA**  
Jun LI (CHINA)
- 9001 TKA FOR EXTRA-ARTICULAR DEFORMITY**  
Jun XIAO (CHINA)
- 1076 CALF MUSCULAR VEIN THROMBOSIS AFTER JOINT ARTHROPLASTY: HARM AND COUNTERMEASURES**  
Feiyan CHEN (CHINA)
- 1594 HIDDEN BLOOD LOSS AFTER THA: ANALYSIS OF INFLUENTIAL FACTORS AND PROGNOSIS**  
Haiyong XU (CHINA)

**1699 THE EFFECT OF NUTRITIONAL STATUS ON WOUND HEALING IN ELDERLY FOLLOWING FEMORAL HEAD ARTHROPLASTY**  
Yuansheng XU (CHINA)

**9002 THE EFFECT OF TRANEXAMIC ACID IN THA PATIENTS: 3-YEAR DATA IN HUAXI HOSPITAL**  
Jun MA (CHINA)

*Discussion Panelists:*

14:40 - 14:50 Xiaobin TIAN, Long LV, Xin QI, Yujun LI, Aimin WANG, Jincheng WANG, Wanchun WANG (CHINA)

*Moderators:*

14:50 - 16:00 Shigui YAN, Weidong XU, Weiming LIAO (CHINA)

**110 TREATMENT OF PERIOPERATIVE WOUND COMPLICATIONS IN PATIENTS WITH HEMOPHILIC ARTHRITIS**  
Ye LI (CHINA)

**162 FACTORS AND COUNTERMEASURES OF LOWER EXTREMITY LENGTHENING AFTER THA IN FEMORAL NECK FRACTURES**  
Baolin LI (CHINA)

**726 DISLOCATION AFTER THA THROUGH ANTERIOR APPROACH: CAUSE AND TREATMENT**  
Wei WEI (CHINA)

**1999 ILIOPSOAS IMPINGEMENT AFTER THA: A PRELIMINARY STUDY**  
Chenglong PAN (CHINA)

**2781 RECURRENT DISLOCATION AFTER THA: CAUSE AND TREATMENT**  
Haibing WANG (CHINA)

**3882 THA FOR ADULT DDH: POSTOPERATIVE COMPLICATIONS**  
Xuejun WANG (CHINA)

**4076 FEMUR HEAD RESECTION TECHNIQUE FOR DEVELOPMENTAL HIP DEFORMITY IN HIP PRESERVATION SURGERY: A PRELIMINARY REPORT**  
Hong ZHANG (CHINA)

**4472 FACTORS OF SELECTING INTERTROCHANTERIC OSTEOTOMY IN THA FOR ADULT CROWE TYPE IV DDH**  
Yonggang ZHOU (CHINA)

**674 HIP REVISION: A REVIEW OF 257 CASES**  
Aimin WANG (CHINA)

**4422 BIOMECHANICAL STUDY OF CEMENT LINER TECHNOLOGY IN REVISION THA**  
Weijie LU (CHINA)

**2776 PERIOPERATIVE COMPLICATIONS OF HIP REVISION: CAUSE AND PREVENTION**  
Ziji ZHANG (CHINA)



- 2154 THE CLINICAL STUDY OF TMARS PROSTHESIS COMBINED WITH 3D PRINTING TECHNIQUE FOR COMPLEX HIP REVISION WITH SEVERE ACETABULAR DEFECTS**  
Shaojin WANG (CHINA)
- 2951 ACETABULAR ORIENTATION DETERMINATION AND ACCURACY IN TOTAL HIP ARTHROPLASTY FOR ANKYLOSED HIP**  
Asihaerjiang MAIMAITIYIMING (CHINA)
- 399 THA FOR ANKYLOSING SPONDYLITIS WITH ANKYLOSED HIP**  
Kun WANG (CHINA)

*Discussion Panelists:*

16:00 - 16:10 Nansheng YU, Zhenan ZHU, Yonggang ZHOU, Shudong ZHANG, Hong YUAN, Min DAI, Qinjiang PANG, Wei HE (CHINA)

*Moderators:*

16:10 - 17:20 Yisheng WANG, Decheng LV, Zhengang ZHA (CHINA)

- 187 THE MID-TERM AND LONG-TERM OUTCOME OF CERAMIC-TO-CERAMIC THA FOR YOUNG AND MIDDLE-AGED PATIENTS**  
Tao WANG (CHINA)
- 192 THE SHORT-TERM OUTCOME OF S-ROM PROSTHESIS FOR CROWE TYPE IV DDH**  
Baofeng LI (CHINA)
- 686 THE SHORT-TERM OUTCOME OF PROSTHESIS WITH DIFFERENT NECK-SHAFT ANGLE FOR RECONSTRUCTION OF FEMORAL OFFSET AFTER THA**  
Guodong ZHANG (CHINA)
- 681 THE CEMENTLESS HIP ARTHROPLASTY FOLLOWING FAILED INTERNAL FIXATION OF FEMORAL INTERTROCHANTERIC FRACTURE**  
Li SUN (CHINA)
- 1116 INFLUENCE OF HIP CENTRE LOCATION ON THE STRESS TRANSFER PATH ABOVE THE ACETABULUM DOME REGION**  
Yong NIE (CHINA)
- 570 OUTCOME OF ANATOMIC FEMORAL PROSTHESIS FOR SEVERE DDH**  
Xiao AN (CHINA)
- 953 HIP ARTHROPLASTY FOR FEMORAL NECK FRACTURES IN ELDERLY PATIENTS: RISK FACTORS OF POSTOPERATIVE COMPLICATIONS AND MORTALITY**  
Ming LI (CHINA)
- 4187 THE INCIDENCE RATE AND RISK FACTORS OF PREOPERATIVE DVT OF FEMORAL NECK FRACTURES**  
Qing JIANG (CHINA)

- 2243 THE MID-TERM AND LONG-TERM CLINICAL OUTCOME OF BERNESE PERIACETABULAR OSTEOTOMY IN ADOLESCENTS AND YOUNG ADULTS WITH DEVELOPMENTAL DYSPLASIA OF THE HIP**  
Dianzhong LUO (CHINA)
- 1648 ACETABULAR AND PROXIMAL FEMORAL OSTEOTOMY FOR THE OSTEOARTHRITIS SECONDARY TO ADULT DDH**  
Shuhua YANG (CHINA)
- 2549 GANZ PERIACETABULAR OSTEOTOMY IN ADOLESCENTS AND YOUNG ADULTS WITH DDH: THE SHORT-TERM OUTCOME AND KEY POINTS**  
Zhaoming ZHANG (CHINA)
- 4141 APPLICATION OF NAVIGATION TEMPLATE BASED ON 3D CT RECONSTRUCTION IN BERNESE PERIACETABULAR OSTEOTOMY**  
You ZHOU (CHINA)
- 1021 OSTEOTOMY CORRECTION TECHNIQUE FOR KNEE DEFORMITY**  
Weihua XU (CHINA)
- 167 MINIMALLY INVASIVE INVERTED “U” SHAPE HTO COMBINED WITH MENGSHI FRAME EXTERNAL FIXATION FOR KNEE OSTEOARTHRITIS WITH VARUS DEFORMITY: 5-YEAR FOLLOW-UP**  
Zhikun ZHUANG (CHINA)

*Discussion Panelists:*

17:20 - 17:30 Jun LI, Jianzhong LUO, Jianguo LIU, Tongqi YANG, Yunshu CHEN, Zhiqiang ZHANG, Guangming ZHANG (CHINA)



**Friday, 18 September**

**Hall 4 Foshan**

10:30 - 12:00

*Free Papers – Rheumatology & Miscellaneous*

*Moderators:*

Thamer HAMDAN (IRAQ), Erwei SUN (CHINA)

- 40134 TACTICS OF TREATMENT OF PERIPROSTHETIC INFECTION IN PATIENTS WITH RHEUMATIC DISEASES AFTER HIP AND KNEE ARTHROPLASTY**  
Alexander KHRAMOV, Maxim MAKAROV, Evgeniy BYALIK, Sergey MAKAROV, Vadim PAVLOV, Vera AMIRDZHANOVA, Gayane VARDIKOVA (RUSSIA)

- 40133 ALGORITHM OF VENOUS THROMBOEMBOLISM (VTE) PROPHYLAXES IN PATIENTS WITH RHEUMATIC DISEASES UNDERGOING JOINT ARTHROPLASTY**  
Alexey RYBNIKOV, Evgeniy BYALIK, Tatyana RESHETNYAK, Sergey MAKAROV, Vadim PAVLOV, Gayane VARDIKOVA (RUSSIA)
- 39113 WRIST ARTHRODESIS IN SEVERE ARTHRITIS OF WRIST IN RHEUMATOID ARTHRITIS PATIENT**  
Amit LAKHANI (INDIA)
- 40521 PATIENTS UNDERGOING MEHTA CASTING EXPERIENCE A DECREASE IN HEALTH RELATED QUALITY OF LIFE**  
David ROYE, Hiroko MATSUMOTO, Julie YOSHIMACHI, Evan TRUPIA, Sumeet GARG, Peter STURM, Lindsay ANDRAS, James SANDERS, Michael GLOTZBECKER, Michael VITALE, Children's Spine Study Group, Growing Spine Study Group (UNITED STATES)
- 41427 ONE-YEAR SURVIVAL IN PATIENTS UNDERGOING SURGICAL MANAGEMENT FOR PROXIMAL FEMUR FRACTURES IN ELDERLY POPULATION**  
Rahul UPADHYAY, Himanshu VIJAY, Deepak RAINA (INDIA)
- 41640 DEFINING AN INTERNATIONAL STANDARD SET OF OUTCOME MEASURES FOR PATIENTS WITH HIP OR KNEE OSTEOARTHRITIS: CONSENSUS OF THE INTERNATIONAL CONSORTIUM OF HEALTH OUTCOMES MEASUREMENT HIP AND KNEE OSTEOARTHRITIS WORKING GROUP**  
Thami BENZAKOUR<sup>1</sup>, Rob NELISSEN<sup>2</sup>, Ola ROLFSON<sup>3</sup>, Stephanie WISSIG<sup>4</sup>, Caleb STOWELL<sup>4</sup>, Working Group ICHOM Hip & Knee Osteoarthritis<sup>4</sup>, Patricia FRANKLIN<sup>4</sup>  
<sup>1</sup>(MOROCCO), <sup>2</sup>(NETHERLANDS), <sup>3</sup>(SWEDEN), <sup>4</sup>(UNITED STATES)
- 40837 MUSCULOSKELETAL CONSIDERATIONS DURING PREGNANCY**  
Thamer HAMDAN (IRAQ)
- 40562 ANTI CCP 2 ANTIBODY ASSAY: A DIAGNOSTIC DILEMMA IN TUBERCULAR ARTHRITIS**  
Saurabh SINGH, Hemant BANSAL, Kumar PRITESH, Samrat Smrutiranjana SAHOO (INDIA)
- 41289 AN UNUSUAL CASE OF BILATERAL MULTIPLE TENDON XANTHOMATOSIS AFFECTING ALL FOUR EXTREMITIES**  
Dibya Singha DAS, Naresh PANIGRAHI (INDIA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**  
Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 13:45

*Instructional Course – Minimally Invasive Surgery II (Chinese Programme)*

*Moderators:*

Yue ZHOU, Guohua LV (CHINA)

**MINIMALLY INVASIVE TECHNIQUES FOR ANTERIOR LUMBAR FUSION**

Guohua LV (CHINA)

13:45 - 17:30

*Free Papers – Minimally Invasive Surgery III (Chinese Programme)*

13:45 - 14:20

*Moderators:*

Yanping ZHENG, Longxi REN, Ming YAN (CHINA)

**972 APPLICATION OF PERCUTANEOUS ENDOSCOPIC CERVICAL DISCECTOMY IN THE TREATMENT OF NERVE ROOT CERVICAL SPONDYLOSIS**

Zhenglin CAO (CHINA)

**2086 THE CAUSE AND PREVENTION OF NERVE ROOT DAMAGE IN TRANSFORAMINAL DISCECTOMY**

Mingkui DU (CHINA)

**930 THE EFFECT OF 5TH LUMBAR SUBSIDENCE PERFORMED ON THE ACCURACY OF LUMBOSACRAL PERCUTANEOUS PEDICLE SCREW INSERTION**

Liang GUO (CHINA)

**2009 RISK MANAGEMENT OF INTERVERTEBRAL DISC ENDOSCOPE OR INTERVERTEBRAL FORAMEN ENDOSCOPE IN THE TREATMENT OF LDH**

Hongwei ZHAO (CHINA)

**2193 A COMPARATIVE STUDY OF ENDOSCOPIC SINGLE AND DOUBLE CAGE B-TWIN INTERBODY FUSION IN THE TREATMENT OF LUMBAR DISC HERNIATION COMBINED WITH LUMBAR INSTABILITY**

Qun YANG (CHINA)

**4446 CLINICAL OUTCOMES OF POSTERIOR ENDOSCOPIC TECHNIQUES FOR THE TREATMENT OF LUMBAR DISC HERNIATION**

Weijun KONG (CHINA)

**218 TRANSCORPOREAL PERCUTANEOUS ENDOSCOPIC CERVICAL DISCECTOMY IN CADAVERIC SPECIMENS**

Liang CHEN (CHINA)

*Discussion Panelists:*

14:20 - 14:30

Wenjun WANG, Changqin LI, Xiaotao WU, Wei LIANG, Weihong XU, Haibin LIN, Jianwen DONG (CHINA)

14:30 - 15:05 *Moderators:*  
Qun YANG, Weimin JIANG, Weiguang HOU (CHINA)

- 1487 SURGICAL COMPLICATIONS AND ITS PREVENTION OF PERCUTANEOUS TRANSFORAMINAL ENDOSCOPIC DISCECTOMY IN THE TREATMENT OF LDH**  
Chao ZHANG (CHINA)
- 1212 THE SHORT-TERM OUTCOMES OF TRANSFORAMINAL ENDOSCOPIC COMBINED WITH INTERSPINOUS DYNAMIC STABILISATION IN THE TREATMENT OF LDH**  
Huimin ZHU (CHINA)
- 1288 PELD FOR THE TREATMENT OF SPECIAL LDH**  
Feng ZHANG (CHINA)
- 1477 THE EFFECT COMPARISON OF LATERAL POSITION AND PRONE POSITION PERFORMED LATERAL PERCUTANEOUS TRANSFORAMINAL ENDOSCOPIC APPROACH**  
Jiawen GUAN (CHINA)
- 1651 POSTERIOR TRANSFORAMINAL ENDOSCOPIC DEBRIDEMENT COMBINED WITH FIXATION AND FUSION FOR THE TREATMENT OF LUMBAR TUBERCULOSIS**  
Peng LIU (CHINA)
- 1900 APPLICATION OF MIMICS SOFTWARE IN PERCUTANEOUS TRANSFORAMINAL ENDOSCOPIC SURGERY FOR THE TREATMENT OF L5/S1 DISC HERNIATION**  
Bolai CHEN (CHINA)
- 1976 A COMPARATIVE STUDY OF MINIMALLY INVASIVE PERCUTANEOUS ENDOSCOPIC LAMINA APPROACH AND TRANSFORAMINAL APPROACH IN THE TREATMENT OF L5/S1 DISC HERNIATION: RESULTS OF 2-YEAR FOLLOW-UP**  
Jiancheng ZENG (CHINA)

15:05 - 15:15 *Discussion Panelists:*  
Zhenzhou LI, Baoshan XU, Qingchu LI, Xiangyang LIU, Rui ZHANG, Haoran GAO, Wenbo LIAO, Gang GAO (CHINA)

15:15 - 15:55 *Moderators:*  
Wenjun WANG, Keya MAO, Yingjie ZHOU (CHINA)

- 2420 ANTERIOR PERCUTANEOUS OLIF, DEBRIDEMENT AND AUTOGRAFT BONE FUSION IN THE TREATMENT OF LUMBAR TUBERCULOSIS**  
Jixian QIAN (CHINA)
- 1464 BIOMECHANICAL STUDY OF A NEW TRANSPEDICAL SCREW SYSTEM PERFORMED ON MI-TLIF MODEL**  
Jie LI (CHINA)

- 1618 COMPARISON OF OUTCOMES AND COMPLICATIONS OF OPEN AND MINIMALLY INVASIVE TLIF FOR THE TREATMENT OF LUMBAR SPONDYLOLISTHESIS**  
Wenfei NI (CHINA)
- 2625 A MRI STUDY OF LUMBAR PLEXUS IN PATIENTS WITH DEGENERATIVE LUMBAR SCOLIOSIS AFTER EXTREME LATERAL INTERBODY FUSION**  
Lei HE (CHINA)
- 1104 A FEASIBILITY RESEARCH OF MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION (MIS-TLIF) USING HYBRID INTERNAL FIXATION FOR RECURRENT LUMBAR DISC HERNIATION**  
Keya MAO (CHINA)
- 1375 THE HETEROLATERAL ANATOMICAL STRUCTURE ALTERATION OF LATERAL POST TRANSFORAMINAL LUMBAR INTERBODY FUSION COMBINED WITH UNILATERAL PEDICLE SCREW FIXATION**  
Gang CHEN (CHINA)
- 933 COMPARISON OF THE SHORT-TERM OUTCOMES OF MINIMALLY INVASIVE AND OPEN LIF IN THE TREATMENT OF SINGLE SEGMENT LUMBAR DEGENERATION**  
Qinquan KONG (CHINA)
- 1619 A FEASIBILITY STUDY OF TRANSCORPOREAL POSTERIOR LUMBAR INTERBODY FUSION COMBINED WITH DISC RESECTION PERFORMED ON PATIENTS WITH DEGENERATIVE LUMBAR DISEASES**  
Aimin WU (CHINA)
- Discussion Panelists:*  
15:55 - 16:05 Guoyong YIN, Liang CHEN, Chunshan LUO, Xianwen SHANG, Xiaoqing CHEN, Wenbo WANG (CHINA)
- Moderators:*  
16:05 - 16:45 Heping YIN, Wanxin ZHEN, Zhengxu YE (CHINA)
- 927 ENDOSCOPIC PERCUTANEOUS PEDICLE SCREW INSTRUMENTATION: APPLICATIONS AND TECHNICAL REPORTS**  
Erxing HE (CHINA)
- 4095 WILTSE APPROACH FOR THE TREATMENT OF THORACOLUMBAR FRACTURES**  
Xinjian YANG (CHINA)
- 2227 TRUE AP VIEW RADIOGRAPH OF PEDICLE SCREW INSERTION**  
Wei ZHANG (CHINA)
- 3574 THE APPLICATIONS OF LATERAL MASS SCREW TECHNIQUES IN THE TREATMENT OF SACRAL LESIONS**  
Feng YUAN (CHINA)

- 1342 THE OUTCOMES OF UNILATERAL PEDICLE SCREW FIXATION WITH CONTRALATERAL TRANSLAMINAL SCREW IN THE TREATMENT OF LDH**  
Zhengxu YE (CHINA)
- 2102 INVENTION AND RESEARCHES OF NOVEL FASTENER OF RECONSTRUCTION AND FUSION**  
Zhenqi DING (CHINA)
- 1449 THREE-DIMENSIONAL FINITE ELEMENT ANALYSES OF UNILATERAL AND BILATERAL PEDICLE SCREWS FIXATION OF TLIF**  
Jian WANG (CHINA)
- 2309 IS LUMBOSACRAL PAIN CAUSED BY THORACOLUMBAR FRACTURE? ANALYSIS OF THE EFFECT OF PKP FOR THE TREATMENT OF THORACOLUMBAR FRACTURE**  
Dawei SONG (CHINA)

*Discussion Panelists:*

16:45 - 16:55 Xigao CHENG, Yifei HUANG, Wenjie ZHENG, Nanwei XUN, Tenghui ZENG, Dongxu ZHAO, Yi HONG, Xinyu LIU (CHINA)

*Moderators:*

16:55 - 17:20 Huilin YANG, Cao YANG, Hua GUO (CHINA)

- 1794 THE OUTCOMES OF VERTEBROPLASTY COMBINED WITH SHORT SEGMENTAL POSTERIOR INTERNAL FIXATION IN THE TREATMENT OF THORACOLUMBAR FRACTURES**  
Shiping FU (CHINA)
- 4827 CLINICAL OUTCOMES OF TWO KINDS OF PKP FOR THE TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES**  
Weiguo LIANG (CHINA)
- 2240 PERCUTANEOUS KYPHOPLASTY WITH IN VITRO DIGITAL LOCALISATION WITHOUT X-RAY CONTACT COMBINED WITH PROBE APPLICATION FOR THE TREATMENT OF THORACOLUMBAR VERTEBRAL COMPRESSED FRACTURES**  
Changhua TANG (CHINA)
- 3236 THE ANATOMICAL STUDY OF THE “H” MEMORY ALLOY FRAME OF PKP**  
Xibin ZHANG (CHINA)
- 4164 EFFICACY ANALYSIS OF ZOLEDRONIC ACID COMBINED WITH PVP/PKP IN THE TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES**  
Bingchen SHAN (CHINA)

*Discussion Panelists:*

17:20 - 17:30 Qinquan KONG, Xuqiang LIAO, Bailian LIU, Qianfen CHEN, Haitao TAN, Weihong YI (CHINA)



**Friday, 18 September**

**Hall 5 Zhaoqing**

08:30 - 10:00

*Symposium – Kashin-Beck Disease*

*Moderators:*

Maurice HINSENKAMP (BELGIUM), Françoise MATHIEU (BELGIUM)

**PREVALENCE STUDY FOR KASHIN-BECK DISEASE IN 6 COUNTIES OF LHASA PREFECTURE IN TIBET AUTONOMOUS REGION, P.R. OF CHINA**

Françoise MATHIEU<sup>1</sup>, William CLAUS<sup>1</sup>, L. WANGDU<sup>2</sup>, R. SHEERO<sup>2</sup>, Michael DERMIENCE<sup>1</sup>, Shancy ROOZE<sup>1</sup>, Viviane DE MAERTELAER<sup>1</sup>, Maurice HINSENKAMP<sup>1</sup>  
<sup>1</sup>(BELGIUM), <sup>2</sup>(CHINA)

**THE ARTHROPATHIC AND FUNCTIONAL IMPAIRMENT FEATURES OF ADULT KASHIN-BECK DISEASE PATIENTS IN ABA TIBETAN AREA IN CHINA**

Qiang HUANG (CHINA)

**TOTAL HIP REPLACEMENT IN ELDERLY PATIENTS WITH SEVERE KASHIN-BECK DISEASE OF THE HIP**

Zongke ZHOU, Xin TANG, Bin SHEN, Pengde KANG, Jang YANG, Jian LI, Fuxing PEI (CHINA)

**TOTAL KNEE ARTHROPLASTY IN ELDERLY PATIENTS WITH SEVERE KASHIN-BECK DISEASE OF THE KNEE**

Zongke ZHOU, Xin TANG, Bin SHEN, Pengde KANG, Jing YANG, Jian LI, Fuxing PEI (CHINA)

**POSSIBLE ROLE OF ALTERNARIA IN KASHIN-BECK DISEASE IN CHINA**

Camille CHASSEUR, Françoise MATHIEU, William CLAUS, P. DROKKAR, L. HE, Georges LOGNAY (BELGIUM)

**A COMPARISON OF PREDOMINANT FUNGI IN FOODSTUFFS WHICH ARE COLLECTED FROM KBD-AFFECTED AREA AND NON-KBD-AFFECTED AREA**

Fuxing PEI, Yong LI, Pengde KANG, Bin SHEN, Zongke ZHOU, Deli WANG, Qing HE, Dike RUAN (CHINA)

**DISCUSSION ON KASHIN-BECK DISEASE AETIOLOGY AND PATHOGENESIS**

Junling CAO, Mingxiu LUO, Qiang FU, Siyuan LI, Jinghong CHEN (CHINA)

**DIETARY MINERAL INTAKES OF YOUNG TIBETAN CHILDREN LIVING IN AREAS ENDEMIC FOR KASHIN-BECK DISEASE: PRELIMINARY RESULTS OF A CROSS-SECTIONAL SURVEY**

Michael DERMIENCE<sup>1</sup>, Françoise MATHIEU<sup>1</sup>, Xiao Wei LI<sup>2</sup>, Stefanie VANDEVIJVERE<sup>3</sup>, William CLAUS<sup>1</sup>, Viviane DE MAERTELAER<sup>1</sup>, Ghislaine DUFOURNY<sup>1</sup>, Li BING<sup>2</sup>, Dechen YANGZOM<sup>2</sup>, Georges LOGNAY<sup>1</sup>  
<sup>1</sup>(BELGIUM), <sup>2</sup>(CHINA), <sup>3</sup>(NEW ZEALAND)



## NUTRITIONAL SUPPLEMENTATION FOR THE PREVENTION OF KASHIN-BECK DISEASE IN CHILDREN OF RURAL AREAS

Shancy ROOZE<sup>1</sup>, Françoise MATHIEU<sup>1</sup>, William CLAUS<sup>1</sup>, Tashi YANGZOM<sup>2</sup>,  
Dikki YANGZOM<sup>2</sup>, Philippe GOYENS<sup>1</sup>  
<sup>1</sup>(BELGIUM), <sup>2</sup>(CHINA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Best Papers Session**

- 40416 OPERATIVE VERSUS NON-OPERATIVE TREATMENT FOR COMPLEX PROXIMAL HUMERAL FRACTURES: A META-ANALYSIS OF RANDOMISED CONTROLLED TRIALS**  
Zhiwei JIA, Wei LI, Dike RUAN (CHINA)
- 39155 ESTIMATED ECONOMIC BURDEN TO UGANDA DUE TO ROAD TRAFFIC CRASHES**  
Tito BEYEZA (UGANDA)
- 41805 CURVE FLEXIBILITY AND MAINTENANCE OF CURVE CORRECTION IN ALTERNATE LEVEL PEDICLE SCREW FIXATION IN ADOLESCENT IDIOPATHIC THORACIC SCOLIOSIS**  
Dino SAMARTZIS, Anne Kathleen B. GANAL-ANTONIO, Hideke SHIGEMATSUI, Hiroaki MATSUMORI, Cora BOW, Kin-Cheung MAK, Keith LUK, Kenneth Man-Chee CHEUNG (HONG KONG, CHINA)
- 40553 A LONG-TERM FUNCTIONAL OUTCOME AND QUALITY-OF-LIFE SCORES OF ONE-TIME QUAD-NERVE TRANSFER TO RESTORE SHOULDER AND ELBOW FUNCTION IN PATIENTS WITH UPPER BRACHIAL PLEXUS INJURY: A REPORT OF FIVE CASES**  
Shusen CUI, Chunyu LI, Le QI, Hongin SUN, Weizhong ZHANG, Yueshu WANG, Guangzhi WU (CHINA)
- 41345 LONG-TERM PATIENT REPORTED OUTCOMES FOR TOTAL KNEE ARTHROPLASTY COMPARING COMPUTER NAVIGATION VERSUS STANDARD INSTRUMENTATION**  
Douglas MATTHEWS, Yogeesh KAMAT, Ajeya ADHIKARI (UNITED KINGDOM)
- 41941 THE DIRECT ANTERIOR VERSUS OTHER APPROACHES IN PRIMARY TOTAL HIP ARTHROPLASTY: A SYSTEMATIC REVIEW AND META-ANALYSIS**  
Fatih KUCUKDURMAZ<sup>1</sup>, Mohamed SUKEIK<sup>2</sup>, Javad PARVIZI<sup>3</sup>  
<sup>1</sup>(TURKEY), <sup>2</sup>(UNITED KINGDOM), <sup>3</sup>(UNITED STATES)
- 41571 DOES THE MID-VASTUS APPROACH OFFER FASTER RECOVERY? RCT STUDY OF 50 PATIENTS OPERATED FOR BILATERAL TKA USING MEDIAL PARAPATELLAR APPROACH ON ONE SIDE AND MID-VASTUS APPROACH ON THE OTHER SIDE**  
Rajiv THUKRAL, S.K.S. MARYA (INDIA)

**41570     ROLE OF COMPOSITE BONE GRAFT VERSUS AUTOGRAFT FOR BRIDGING BONE DEFECT**

Yuvraj HIRA (INDIA)

**41788     THE IDENTIFICATION OF STEM CELL IN THE DEGENERATIVE HUMAN NUCLEOUS PULPOSUS**

Xuefeng LI, Weimin JIANG, Huilin YANG (CHINA)

**39964     A BIOMECHANICAL STUDY OF CORONOID PROCESS WITH MEDIAL COLLATERAL LIGAMENT INJURY AS POSTEROLATERAL ROTATORY INSTABILITY OF THE ELBOW**

Fuguo HUANG (CHINA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 13:45

*Instructional Course – Microsurgery II (Chinese Programme)*

*Moderators:*

Dewei ZHAO, Aimin CHEN, Zengtao WANG (CHINA)

**MICROSURGICAL REPAIR OF SEVERE LIMB TRAUMA**

Changqing ZHANG (CHINA)

13:45 - 17:35

*Free Papers – Microsurgery III (Chinese Programme)*

*Moderators:*

13:45 - 14:20  
Yongqing XU, Dong HUANG, Hua CHEN (CHINA)

**5098     CLASSIFICATION AND EARLY REPAIR OF OPEN FRACTURES WITH SOFT TISSUE DAMAGE**

Liqiang GU (CHINA)

**4844     CLINICAL APPLICATION OF THE FLOW-THROUGH FIBULA BONE FLAP COMBINED WITH VSD TO REPAIR TIBIA FRACTURE AND LONG BONE DEFECT**

Jian SONG (CHINA)

**4674     FLOW-THROUGH FIBULA BONE FLAP TO REPAIR BONE, SOFT TISSUE AND MAIN VESSELS DEFECTS OF EXTREMITIES**

Fei CONG (CHINA)

- 4782 TREATMENT STRATEGY OF SEVERE PHYSICAL TRAUMA**  
Dong HUANG (CHINA)
- 4189 MICROSURGICAL TREATMENT OF TIBIA AND FIBULA GUSTILO III B AND GUSTILO III C OPEN FRACTURE**  
Jiaxiang GU (CHINA)
- 4988 ANTEROLATERAL FEMORAL SKIN FLAP TO REPAIR CHIMERICALLY THE CRURAL MAIN VESSELS AND SOFT TISSUE INJURIES**  
Jun LI (CHINA)
- 4717 THE COMPARISON OF GUSTILO CLASSIFICATION AND AO CLASSIFICATION IN THE ASSESSMENT OF EMERGENCY OPEN INJURY**  
Hua FU (CHINA)
- Discussion Panelists:*  
14:20 - 14:30 Jingliang ZHANG, Xuejian WU, Guisheng ZHANG, Yongjun RUI, Xiaoju ZHENG, Lei ZHU (CHINA)
- Moderators:*  
14:30 - 15:30 Xiaoheng DING, Xuejian WU, Guisheng ZHANG (CHINA)
- 5050 APPLICATION OF SKIN FLAP IN HAND WOUND REPAIR**  
Xiaoheng DING (CHINA)
- 4798 RECONSTRUCTION OF SOFT TISSUE DEFECT OF SINGLE FINGER WITH FREE MESIO-FOREARM FLAP BASED ON PERFORATOR OF ULNAR ARTERY**  
Xuejian WU (CHINA)
- 265 THE TRIFOLIATE FLAP FROM THE DORSAL FOOT TO REPAIR SKIN SOFT TISSUE DEFECT OF 3 FINGERS**  
Guofeng KANG (CHINA)
- 3903 THE TRIFOLIATE FLAP FROM THE DORSAL FOOT TO REPAIR SOFT TISSUE DEFECT AFTER HAND PENETRATION INJURY**  
Shiming FENG (CHINA)
- 4670 THE STUDY OF THE EFFECT OF ABDOMINAL SUPER THIN SKIN FLAP IN THE TREATMENT OF HAND AVULSION**  
Ruixing HOU (CHINA)
- 4940 REPAIR THE SKIN AVULSION INJURY OF THE WHOLE HAND BY MODIFIED ABDOMINAL POCKET FLAPS**  
Guisheng ZHANG (CHINA)
- 5108 THE CLINICAL APPLICATION OF TOE-TO-HAND TRANSFER**  
Shihui GU (CHINA)
- 4667 COMBINED BIG TOE WRAP-AROUND FLAP WITH BONE GRAFT FOR RECONSTRUCTION OF DISTAL THUMB DEFECT**  
Guangliang ZHANG (CHINA)

- 4294 THE WRAP-AROUND LA FLAP TO REPAIR DEFECT OF HYPONYCHIUM**  
Lei ZHU (CHINA)
- 4787 METHODS OF COVERAGE OF WRAP-AROUND FLAP DONOR SKIN DEFECT**  
Xiaoju ZHENG (CHINA)
- 5094 SEGMENT OF THE SECOND TOE TRANSPLANTATION IN FINGER RECONSTRUCTION**  
Li SONG (CHINA)
- 759 THE TRANSVERSE ARTERY FIBULAR FLAP TO REPAIR THE WOUND OF SECOND TOE**  
Shengjun YU (CHINA)
- 15:30 - 15:40 Discussion Panelists:*  
Yun LU, Zhenjun XIE, Fuguo HUANG, Yuan YANG, Shuqiang XIE (CHINA)
- 15:40 - 16:45 Moderators:*  
Hao KANG, Qingtang ZHU, Yongming GUO (CHINA)
- 9006 DEVELOPMENT OF MATERIALS FOR PERIPHERAL NERVE DEFECT REPAIR**  
Qingtang ZHU (CHINA)
- 438 CLINICAL STUDY OF THE NEW BIONIC ARTIFICIAL NERVE CONDUIT FOR REPAIRING PERIPHERAL NERVE DEFECT**  
Huasong WANG (CHINA)
- 4796 EARLY CLINICAL OBSERVATION OF THE NEW PGLA NERVE CONDUIT FOR REPAIRING UPPER LIMB NERVE DEFECT**  
Dong GAO (CHINA)
- 1461 THE STUDY OF PERIPHERAL NERVE DECOMPRESSION ON THE SENSORY RECOVERY OF PERIPHERAL NEUROPATHY IN DIABETIC PATIENTS**  
Xiaohui YANG (CHINA)
- 3896 ROLE OF F-WAVE DISPLAYS IN THE DIAGNOSIS OF NERVE TYPE THORACIC OUTLET SYNDROME**  
Shusen CUI (CHINA)
- 4848 IMAGING STUDY OF THE ANTERIOR CHANNEL OF THE CONTRALATERAL 7TH CERVICAL VERTEBRA**  
Bengang QIN (CHINA)
- 2598 VASCULARISED FIBULAR EPIPHYSEAL TRANSPLANTATION IN THE TREATMENT OF HUMERUS BONE DEFECT AFTER RESECTION OF MALIGNANT TUMOUR IN CHILDREN**  
Yang GUO (CHINA)
- 4432 TECHNOLOGY IMPROVEMENT OF FREE VASCULARISED FIBULA GRAFT FOR THE TREATMENT OF FEMORAL HEAD NECROSIS**  
Xiyu CAI (CHINA)

**3189 FREE FIBULA TRANSPLANTATION FOR REPAIR OF FEMORAL INFECTIOUS BONE DEFECT**

Yongming GUO (CHINA)

**4727 COMPARISON OF TWO APPROACHES IN DISTAL RADIUS BONE GRAFT IN THE TREATMENT OF OLD SCAPHOID BONE FRACTURE**

Xiaolong DU (CHINA)

**3042 BIOLOGICAL REPAIR OF LARGE SEGMENTAL BONE DEFECT IN CHILDREN BY MICROSURGERY**

Yunfa YANG (CHINA)

**4721 COMPARISON OF CLINICAL OUTCOMES OF VARIOUS SURGICAL TREATMENTS OF BONE NECROSIS**

Xuehai OU (CHINA)

**1985 TREATMENT OF BONE NECROSIS WITH VASCULARISED BONE GRAFT**

Jun HU (CHINA)

*Discussion Panelists:*

16:45 - 16:55 Li WANG, Guangming ZHANG, Shengjun YU, Shaonan HU, Zhijie LI, Pengcheng LI (CHINA)

*Moderators:*

16:55 - 17:25 Jianli WANG, Shengxiang WAN, Ruixing HOU (CHINA)

**4215 VASCULARISED PERONEAL EPIPHYSEAL TRANSPLANTATION IN THE TREATMENT OF CHILDREN WITH TYPE III CONGENITAL RADIAL LONGITUDINAL DEFECT**

Jiantao YANG (CHINA)

**2460 APPLICATION OF THE TOE ARTERIAL SKIN FLAP IN THE REPAIR OF FOOT AND TOE DEFORMITY**

Yong HU (CHINA)

**3509 ARTIFICIAL JOINT REPLACEMENT AND EARLY REHABILITATION FOR THE TREATMENT OF BONE AND JOINT**

Xianzhang ZHOU (CHINA)

**4967 OBSERVATION AND NURSING OF POSTOPERATIVE COMPLICATIONS IN PATIENTS WITH BRACHIAL PLEXUS INJURY AFTER TREATMENT OF FREE THIGH MUSCLE TRANSPLANTATION**

Cuihuan HE (CHINA)

**2215 NURSING OF AGED COMPLEX FINGER IN PERIOPERATIVE PERIOD OF MICROSURGICAL REPAIR**

Liping ZHU (CHINA)

**4934 TWO THOUSAND EIGHT HUNDRED CASES OF FINGER REPLANTATION**

Taian CUI (CHINA)

*Discussion Panelists:*

17:25 - 17:35 Hui DONG, Yali XU, Yanqing CHEN, Yongming GUO, Yunfa YANG, Shiqiang CEN (CHINA)



**Friday, 18 September**

**Hall 6 Yangjiang**

08:30 - 10:00

**WOC (World Orthopaedic Concern) Symposium**

*Moderator:*

Michael LAURENCE (UNITED KINGDOM)

**PRESENTATION OF THE TKS MEDAL (AWARDED FOR SPECIAL CONTRIBUTION TO ORTHOPAEDICS IN SETTINGS OF LIMITED RESOURCE) TO PROFESSOR DEVEN TANEJA (INDORE)**

Shanmuganathan RAJASEKARAN (INDIA)

**FUNCTIONAL OUTCOME MEASUREMENT FOR TOTAL HIP REPLACEMENT IN AFRICA: INTRODUCTION OF THE OUAGA-SCORE**

Jan NOYEZ, Lieven DOSSCHE (BELGIUM)

**THE MANAGEMENT OF CO-MORBIDITIES IN POLYTRAUMA**

Arindam BANERJEE (INDIA)

**BARRIERS TO START THE TREATMENT OF CLUBFEET IN LMICS**

Huub J.L. VAN DER HEIDE (NETHERLANDS)

**INEXPENSIVE NEGLECTED FACILITIES IN THE PREVENTION OF FATAL COMPLICATIONS OF BED REST**

Michael LAURENCE (UNITED KINGDOM)

10:00 - 10:30

**Break**

10:30 - 12:00

**WOC (World Orthopaedic Concern) Closed Meeting**

12:00 - 12:30

**Plenary Lecture – Emily Chan (in Hall 1 Lingnan)**

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

**Industry-Sponsored Symposium**

13:30 - 13:45

**Instructional Course – Foot & Ankle II (Chinese Programme)**

*Moderators:*

Xin MA, Jinsong HONG (CHINA)

**THE DIFFERENCE BETWEEN SPASM AND CONTRACTURE OF TALIPES EQUINUS**

Xin MA (CHINA)

13:45 - 17:30

**Free Papers – Foot & Ankle III (Chinese Programme)**

*Moderators:*

13:45 - 14:20

Xiaojun LIANG, Bo FENG, Hongtao ZHANG (CHINA)

**295 ARTIFICIAL METATARSOPHALANGEAL JOINT REPLACEMENT**

Zhengyi WANG (CHINA)

**2284 LAPIDUS TECHNIQUE IN THE TREATMENT OF MODERATE AND SEVERE HALLUX VALGUS DEFORMITY**

Bo FENG (CHINA)

**2413 A COMPARATIVE STUDY OF THREE SURGICAL TREATMENTS FOR THE HALLUX VALGUS WITH INCREASED DMAA**

Xiaojun LIANG (CHINA)

**3609 THE TREATMENT OF SEVERE HALLUX VALGUS DEFORMITY BY THE FIRST METATARSAL OSTEOTOMY COMBINED WITH CHEVRON-GERBERT OSTEOTOMY**

Zhaojun CHEN (CHINA)

**3834 SOFT TISSUE RELEASE COMBINED WITH CHEVRON, AKIN OSTEOTOMY IN THE TREATMENT OF MILD AND MODERATE HALLUX VALGUS**

Zhigang BAI (CHINA)

**476 THE FIRST METATARSOPHALANGEAL JOINT FUSION IN THE TREATMENT OF SEVERE HALLUX VALGUS**

Linru ZENG (CHINA)

**3780 OSTEOTOMY THROUGH THE MEDIAL APPROACH IN THE TREATMENT OF HALLUX VALGUS**

Hongtao ZHANG (CHINA)

*Discussion Panelists:*

14:20 - 14:30

Fengqi ZHANG, Kai CHEN, Xiaojun DUAN, Zhongmin SHI, Canjun ZENG, Mingzhu ZHANG (CHINA)

14:30 - 15:20

*Moderators:*

Sihe QIN, Jianzhong ZHANG, Hui ZHANG (CHINA)

- 5150 CLINICAL OUTCOME OF REVERDIN-LAIRD OSTEOTOMY FOR THE TREATMENT OF MILD AND MODERATE HALLUX VALGUS**  
Yu ZHANG (CHINA)
- 1932 ARTHROPLASTY FOR THE TREATMENT OF FREIBERG DISEASE**  
Zihan XU (CHINA)
- 788 EVANS CALCANEAL LENGTHENING COMBINED WITH ACCESSORY NAVICULAR BONE EXCISION AND POSTERIOR TIBIAL TENDON TRANSPOSITION FOR THE TREATMENT OF JUVENILE FLATFOOT**  
Honghui CAO (CHINA)
- 2577 CLINICAL OUTCOME OF KALIX FOR TREATMENT OF JUVENILE FLEXIBLE FLATFOOT**  
Xudong MIAO (CHINA)
- 2986 PREVENTION AND TREATMENT OF MIDFOOT DEFORMITY AFTER TRIPLE ARTHRODESIS**  
Jiazhang HUANG (CHINA)
- 2646 A REPORT OF 35 CASES: ILIZAROV TECHNIQUE IN THE TREATMENT OF ANKLE DEFORMITIES ON THE VERGE OF AMPUTATION**  
Sihe QIN (CHINA)
- 4906 STAGED TREATMENT WITH COMBINED INTERNAL AND EXTERNAL FIXATION FOR COMPLEX FOOT DEFORMITY**  
Hui ZHANG (CHINA)
- 2694 THE APPLICATION OF TALUS PIN FIXATION IN CORRECTING SEVERE ANKLE AND FOOT DEFORMITIES WITH THE ILIZAROV TECHNIQUE**  
Bo SHAO (CHINA)
- 1431 BILATERAL ADJUSTABLE EXTERNAL FIXATION COMBINED WITH LIMITED INTERNAL FIXATION FOR THE TREATMENT OF EICHENHOLTZ STAGE III CHARCOT FOOT ARTHROPATHY**  
Jingjing ZHAO (CHINA)
- 4610 SURGICAL OUTCOME OF SECONDARY SEVERE FRONT FOOT DEFORMITY OF RHEUMATOID ARTHRITIS**  
Xiaojun DUAN (CHINA)
- Discussion Panelists:*  
15:20 - 15:30 Xudong MIAO, Shuyuan LI, Xianjun WANG, Hongmou ZHAO, Bo LUAN, Dan WANG (CHINA)
- Moderators:*  
15:30 - 16:00 Maowei YANG, Yong WU, Jianchao GUI (CHINA)
- 3534 CONVERSION OF PAINFUL ANKLE ARTHRODESIS TO TOTAL ANKLE ARTHROPLASTY**  
Youguang ZHAO (CHINA)



**2589    COMPLICATIONS AFTER ANKLE JOINT FUSION FOR THE END SEQUELAE OF ANKLE INJURIES**

Xu WANG (CHINA)

**4602    TOTAL ANKLE REPLACEMENT FOR POST-TRAUMATIC ANKLE ARTHRITIS**

Yong WU (CHINA)

**5083    COMPARISON OF THE EFFECTS OF ANKLE JOINT FUSION AND ANKLE REPLACEMENT FOR THE ADVANCED ANKLE OSTEOARTHRITIS**

Fei CHANG (CHINA)

**4945    COMPLICATIONS OF TIBIOTALOCALCANEAL ARTHRODESIS**

Jun FENG (CHINA)

**1455    SURGICAL TREATMENT OF THE FIFTH TOE VARUS DEFORMITY**

Kai CHEN (CHINA)

16:00 - 16:10

*Discussion Panelists:*

Jianjun HONG, Xiang GAO, Naxin ZHOU (CHINA)

16:10 - 16:40

*Moderators:*

Xiangdang LIANG, Yunfeng YANG, Chengwei WANG (CHINA)

**3687    DIAGNOSIS AND TREATMENT OF POSTERIOR PILON FRACTURES**

Tao LI (CHINA)

**3756    SELECTION OF SURGICAL APPROACH FOR PILON FRACTURE**

Yanjun GAO (CHINA)

**3802    REPAIR OF LIGAMENT IN THE TREATMENT OF FRACTURE AND DISLOCATION OF ANKLE JOINT**

Chengwei WANG (CHINA)

**4455    OPEN REDUCTION AND INTERNAL FIXATION UNDER THE ASSISTANCE OF MEDIAL OPENING FOR INTRA-ARTICULAR FRACTURE OF CALCANEUS**

Yunfeng YANG (CHINA)

**4590    THE CLASSIFICATION AND CLINICAL EFFECTS OF CHOPART INJURY**

Gang CHEN (CHINA)

**2830    CLINICAL SIGNIFICANCE OF THE MEDIOLATERAL COLUMN OF THE TIBIAL PILON FRACTURE WITH THE ABNORMAL ANKLE ALIGNMENT**

Kun ZHANG (CHINA)

16:40 - 16:50

*Discussion Panelists:*

Jing TIAN, Yangbo XU, Shijun WEI, Liang CHEN (CHINA)

16:50 - 17:20

*Moderators:*

Kanglai TANG, Shufeng HAN, Xu TAO (CHINA)

- 2914 STUDY ON LENGTH AND TENSION OF DEEP TRIANGULAR LIGAMENT IN THE PERIOD OF HUMAN-BODY GAIT**  
Chen WANG (CHINA)
- 1172 STUDY ON THE KINEMATICS OF ANKLE AND POSTERIOR FOOT IN PATIENTS WITH CHRONIC ANKLE INSTABILITY**  
Li CHEN (CHINA)
- 1793 ANATOMY STUDIES AND CLINICAL SIGNIFICANCE OF ARTICULAR SURFACE OF THE FIRST AND SECOND TARSOMETATARSAL**  
Chunguang LI (CHINA)
- 4572 EFFECTS OF TIBIOFIBULAR SYNDESMOTIC INJURY OF DIFFERENT DEGREES ON ANKLE STABILITY**  
Dawei CHEN (CHINA)
- 5069 THE BEST DR TECHNIQUE OF THE ALIGNMENT OF POSTERIOR FOOT**  
Chonglin YANG (CHINA)
- 3487 ANATOMICAL AND CLINICAL APPLICATION OF MEDIAL MALLEOLUS CHEVRON OSTEOTOMY FOR THE TALUS FRACTURE**  
Xiuzhang YE (CHINA)

17:20 - 17:30

*Discussion Panelists:*

Zhaojun CHEN, Yong ZHANG, Guohua MEI (CHINA)



**Friday, 18 September**

**Hall 7 Zhongshan**

08:30 - 10:00

**Free Papers – Research I**

*Moderators:*

Halldor Bjarki EINARSSON (DENMARK), Tingting TANG (CHINA)

- 42332 SDF-1/CXCR4 PROMOTES F5M2 OSTEOSARCOMA CELL MIGRATION BY ACTIVATING THE WNT/ $\beta$ -CATENIN SIGNALING PATHWAY**  
Yao LU (CHINA)
- 42330 SI-RNA MEDIATED SILENCING OF GPR137 INHIBITS GROWTH OF OSTEOSARCOMA CELLS**  
Dongqing ZUO (CHINA)
- 39067 OSTEOPONTIN (OPN) IS OVEREXPRESSED IN OSTEOSARCOMA AND ENHANCES PULMONARY METASTASIS: IN VIVO AND IN VITRO**  
Min LI<sup>1</sup>, Atik BADSHAH<sup>2</sup>, Guofen CHEN<sup>1</sup>, Zhanjun SHI<sup>1</sup>, Jian WANG<sup>1</sup>  
<sup>1</sup>(CHINA), <sup>2</sup>(HONG KONG)

- 42329 THE MECHANISM OF SHP IN WEAR PARTICLES STIMULATED MACROPHAGE INDUCED ASEPTIC JOINT LOOSENING**  
Yue DING (CHINA)
- 39367 NEW RESORPTION PATHWAYS IN POLYCAPROLACTONE DEGRADATION: ROLES OF MONONUCLEAR AND MULTINUCLEATED GIANT CELLS**  
Halldor Bjarki EINARSSON, Morten Schallburg NIELSEN, Anders Frisk MORTENSEN, David Christian Evar KRAFT, Søren Roesgaard NIELSEN, Menglin CHEN, Jonas JENSEN, Cody Eric BÜNGER, Thomas VORUP-JENSEN (DENMARK)
- 40357 NOVEL BIODEGRADABLE CaMgZnSrYb HIGH ENTROPY BULK METALLIC GLASS FOR ORTHOPAEDIC APPLICATIONS**  
Huafang LI, Yufeng ZHENG, Ling QIN, Weihua WANG (CHINA)
- 41687 EFFECT OF DISTAL INTERLOCKING SCREW DESIGN ON BIOMECHANICAL PERFORMANCE OF TWO DIFFERENT INTRAMEDULLARY NAILING SYSTEMS**  
Fatih KUCUKDURMAZ, Celil ALEMDAR, Teyfik DEMIR, Ibrahim AZBOY, Abdullah DEMIRTAS, Mehmet BULUT, Huseyin ASLAN (TURKEY)
- 42333 A FINITE ELEMENT ANALYSIS OF BIOMECHANICS OF THE MIDDLE SEGMENT AFTER CROSS-SEGMENTAL VERTEBRAL AUGMENTATION**  
Jia ZHANG (CHINA)
- 42331 THE STUDY OF THE CERVICAL LIGAMENTUM FLAVUM THICKNESS 128 SLICE SPIRAL CT MULTIPLANAR RECONSTRUCTION MEASUREMENT AND ITS RELATED FACTOR**  
Xinjia WANG (CHINA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Free Papers – Research II*

*Moderators:*

Chengkong CHENG (CHINA), Fatih KUCUKDURMAZ (TURKEY)

- 39677 EXTRACELLULAR MATRIX FORMATION AND MENISCAL PHENOTYPE IN CO-CULTURES OF MENISCAL CELLS AND PERIPHERAL BLOOD MSC**  
Weili FU (CHINA)
- 42328 THE NOVEL DECELLULARISED MENISCAL EXTRACELLULAR MATRIX ENHANCES BOTH PROLIFERATION AND REDIFFERENTIATION OF PASSAGED MENISCAL FIBROCHONDROCYTES**  
Weimin GUO (CHINA)
- 41181 BUILDING A DEMINERALISED MENISCUS EXTRACELLULAR MATRIX (DMECM) / DEMINERALISED BONE MATRIX (DBM) DIPHASIC SCAFFOLD FOR MENISCUS TISSUE ENGINEERING**  
Zhiguo YUAN, Quanyi GUO (CHINA)

- 39382 LOW-INTENSITY PULSED ULTRASOUND ACTIVATES FAK, ERK-1/2, AKT AND IRS-1 OF INTACT RAT BONES: POSSIBLE INTERPLAY WITH HORMONAL SIGNALING PATHWAYS**  
Carlos Vinicius BUARQUE DE GUSMAO, Jose Rodrigo PAULI, Jose Marcos ALVES, Mario SAAD, William Dias BELANGERO (BRAZIL)
- 42325 STUDY OF CHANGES OF BONE METABOLISM IN ELDERLY PEOPLE WITH SALMON CALCITONIN TO ANTI-OSTEOPOROSIS TREATMENT AFTER ORTHOPAEDIC OPERATION**  
Yaonan ZHANG (CHINA)
- 42322 CHLOROGENIC ACID PREVENTS OSTEOPOROSIS BY SHP2/PI3K/AKT PATHWAY IN OVARIECTOMISED RATS**  
Li CHEN (CHINA)
- 42327 DO POSTOPERATIVE APPLICATIONS OF DIPHOSPHONATE MEDICINE AT AN EARLY STAGE HAVE AN INFLUENCE ON UNION OF FRACTURE?**  
Jia ZHANG (CHINA)
- 42326 LOSS OF  $\beta$ -CATENIN IN ADIPOCYTES CAUSED SKELETAL DEVELOPMENTAL DEFICIENCY IN MICE**  
Wei LI (CHINA)
- 42324 QUANTITATIVE T2 MAGNETIC RESONANCE IMAGING COMPARED TO MORPHOLOGICAL GRADING OF THE EARLY CERVICAL INTERVERTEBRAL DISC DEGENERATION: AN EVALUATION APPROACH IN ASYMPTOMATIC YOUNG ADULTS**  
Chen CHUN (CHINA)
- 42323 AN INITIAL STUDY OF TRACKING MOVEMENT OF NORMAL ACROMIOCLAVICULAR JOINT USING VOLUME SCAN ON SENSATION 320 CT**  
Yaonan ZHANG (CHINA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**  
Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 13:45

*Instructional Course – Research II (Chinese Programme)*

*Moderators:*

Chengkong CHENG, Ling QIN, Tingting TANG (CHINA)

**BASIC RESEARCH IN ORTHOPAEDICS: PAST, PRESENT AND FUTURE**  
Zhuojing LUO (CHINA)

13:45 - 17:30

***Free Papers – Research III (Chinese Programme)***

13:45 - 14:50

*Moderators:*

Xiaochun BAI, Xiaoling ZHANG, Yongjun WANG (CHINA)

**5147 TNF-A INHIBITED THE OSTEOGENIC DIFFERENTIATION OF STEM CELLS BY SATB2 NEGATIVE REGULATION**

Xiaoling ZHANG (CHINA)

**477 OVEREXPRESSION OF AMPK REGULATES OSTEOGENIC DIFFERENTIATION THROUGH AMPK-GFI1-OPN PATHWAY**

Yugang WANG (CHINA)

**987 THE ROLE OF FATTY ACID FAMILY RECEPTOR 120 IN THE DIFFERENTIATION OF BMSCS**

Bo GAO (CHINA)

**4052 MIR-20A REGULATION OF ADIPOCYTE DIFFERENTIATION**

Jie ZHOU (CHINA)

**4209 HERBA ATTENUATES OSTEOPOROSIS BY PI3K SIGNAL PATHWAY ACTIVATION**

Linying WANG (CHINA)

**5157 SPA MODULATE OSTEOGENIC DIFFERENTIATION OF MSCS BY WNT SIGNAL PATHWAY**

Hai WANG (CHINA)

**2900 PROTECTIVE EFFECT OF SUBSTANCE P ON BONE MARROW MESENCHYMAL STEM CELLS**

Dan JIN (CHINA)

**1437 THE EFFECT OF SPLENECTOMY ON BONE METABOLISM IN RATS**

Yuhui CHEN (CHINA)

**974 IDENTIFICATION OF NEW SUSCEPTIBILITY GENES FOR OSTEOPOROSIS BY NUCLEAR AND MITOCHONDRIAL GENOME ANALYSIS**

Yaqian HU (CHINA)

**1981 THE EFFECTS OF ZOLEDRONIC ACID PERFORMED ON BONE MINERAL DENSITY AND BONE FUSION AFTER POSTERIOR LUMBAR FUSION OF ELDERLY FEMALE PATIENTS WITH OSTEOPOROSIS**

Jiancheng ZENG (CHINA)

**3386 FUCOSYLATED MODULATING CELL SURFACE CD44 MOLECULES TO PROMOTE OSTEOGENIC DIFFERENTIATION OF HUMAN ADIPOSE DERIVED STEM CELLS**

Hongtao TIAN (CHINA)

**3713 EARLY AND DUAL PHOSPHATE INGESTION FOR POSTOPERATIVE HEALING AND FUNCTION OF OSTEOPOROTIC FRACTURES OF THE PROXIMAL HUMERUS**

Quan JI (CHINA)

**63 RAPID ESTABLISHMENT OF THE ANIMAL MODEL OF OSTEOPOROSIS AFTER OVX INDUCED BY HORMONES**

Yi CUI (CHINA)

*Discussion Panelists:*

14:50 - 15:00 Pingchung LEONG, Kaijin GUO, Songlin PENG, Xiaoli ZHAO, Zhongliang DENG (CHINA)

*Moderators:*

15:00 - 16:00 Qing JIANG, Fei WANG, Jianguang TANG (CHINA)

**1108 THE CORRELATION BETWEEN ABO BLOOD GROUP AND PRIMARY KNEE OSTEOARTHRITIS**

Yue DING (CHINA)

**1337 THE CHANGE AND INTERACTION OF THE COMPOSITE UNITS OF THE ARTICULAR CARTILAGE AND SUBCHONDRAL BONE OF THE KNEE JOINT**

Xueling YUAN (CHINA)

**2342 CORRELATION BETWEEN OBESITY GENE AND OSTEOARTHRITIS**

Jin DAI (CHINA)

**1649 THE ROLE OF MIR-101 ON ARTICULAR CARTILAGE INJURY IN OA RATS**

Linghui DAI (CHINA)

**4527 THE CORRELATION BETWEEN THE DEVELOPMENT OF KNEE OSTEOARTHRITIS AND BONE MINERAL DENSITY IN POSTMENOPAUSAL WOMEN**

Dabiao HOU (CHINA)

**2031 THE ROLE OF VASCULAR ADHERENCE FACTOR 1 IN THE PROCESS OF THE INFLAMMATORY ARTHRITIS OF THE GOUT ARTHRITIS**

Renchong WANG (CHINA)

**1348 TRANSPLANTATION OF GENETICALLY MODIFIED NUCLEUS PULPOSUS CELLS FOR THE TREATMENT OF LUMBAR DISC DEGENERATION**

Yong LIU (CHINA)

**4857 THE CORRELATION BETWEEN MEFV GENE B30.2 MUTATION AND ANKYLOSING SPONDYLITIS IN THE HAN POPULATION**

Chongru HE (CHINA)

**4105 CORRELATION BETWEEN LMX1A GENE AND CONGENITAL SCOLIOSIS**

Jiaqi LIU (CHINA)

**4445 HIF-1 DELETION ACCELERATES THE INTERVERTEBRAL DISC DEGENERATION IN MICE**

Xingkai ZHANG (CHINA)

**1514 COMPARISON OF THE ESTABLISHMENT OF RABBIT INTERVERTEBRAL DISC DEGENERATION MODEL BY ANNULUS PUNCTURE AND OPERATION**

Qing HE (CHINA)

**4596 SURGICAL PROCEDURE OF LUMBAR DISC TRANSPLANTATION IN DOGS**

Hao LI (CHINA)

16:00 - 16:10

*Discussion Panelists:*

Hao LIU, Hongjian LIU, Shufang WU, Bing LI, Yong LIU (CHINA)

16:10 - 16:40

*Moderators:*

Anmin CHEN, Tao JI, Liu YANG (CHINA)

**1355 POTENTIAL TARGET OF OSTEOSARCOMA THERAPY: MALAT1**

Xianzhe LIU (CHINA)

**116 OLEANOLIC ACID PROMOTES APOPTOSIS OF OSTEOSARCOMA CELLS VIA MTOR SIGNAL PATHWAY ACTIVATION**

Jun LUO (CHINA)

**455 ENHANCED SENSITIVITY OF CHEMOTHERAPY FOR OSTEOSARCOMA BY BLOCKING CXCR1 SIGNALING PATHWAY**

Xiuguo HAN (CHINA)

**2233 EFFECT OF RNA TARGET BLOCKS COX-2 EXPRESSION ON MG-63 OSTEOSARCOMA CELLS**

Xiujin CHEN (CHINA)

**2043 RS3745406 AND RS2547362 SNPS AND SUSCEPTIBILITY TO OSTEOSARCOMA OF PRKCG GENE**

Yingbin CHEN (CHINA)

**3671 IRX1 PROMOTER LOW METHYLATED ACTIVATION CONTRIBUTED TO OSTEOSARCOMA METASTASIS VIA CXCL14/NF-KB SIGNALING PATHWAY**

Jin WANG (CHINA)

16:40 - 16:50

*Discussion Panelists:*

Wei QU, Tingting REN (CHINA)

16:50 - 17:20

*Moderators:*

Zhihong WU, Baohua LIU, Jian WANG (CHINA)

**2351 THE CORRELATION BETWEEN TXNDC3 GENE AND DDH: GWAS AND FOLLOW-UP STUDY**

Jin DAI (CHINA)

**369 APPLICATION OF MICRO-CT ANALYSIS IN THE MODEL OF ISCHEMIC BONE NECROSIS OF RABBITS**

Yunxiang LU (CHINA)

**2592 COMPARISON OF DIFFERENT SPINAL TUBERCULOSIS MODELS OF RABBIT**

Qian WANG (CHINA)

**2692 ESTABLISHMENT OF A RAT MODEL OF ELBOW JOINT TRANSPLANTATION WITH BLOOD VESSEL**

Juyu TANG (CHINA)

**4487 DISTRIBUTION AND DRUG RESISTANCE OF PATHOGENIC BACTERIA IN INFECTED PATIENTS**

Bin ZHANG (CHINA)

**2932 RISK FACTORS AND COUNTERMEASURES OF PERIOPERATIVE NURSING FOR ELDERLY PATIENTS**

Xin SHANG (CHINA)

*Discussion Panelists:*

17:20 - 17:30

Xu LI, Xueyu HU, Liu YANG, Chenhui SHI (CHINA)



**Friday, 18 September**

**Hall 8 Dongguan**

08:30 - 10:00

**Course – Training Reviewers for Medical Journals**

*Moderator:*

Andrew QUAILE (UNITED KINGDOM)

**INTRODUCTION**

Andrew QUAILE (UNITED KINGDOM)

**LANGUAGE CONSIDERATION**

Andrew QUAILE (UNITED KINGDOM)

**WHAT DO JOURNALS NEED?**

Marius SCARLAT (FRANCE)

**HOW THE SYSTEM WORKS**

Cyril MAUFFREY (UNITED STATES)

**HOW TO WRITE A GOOD REVIEW**

Marc PATTERSON (UNITED KINGDOM)



10:00 - 10:30 **Break**

10:30 - 12:00 **Symposium – International Orthopaedics Journal - SICOT Academic Writing in Orthopaedics**

*Moderators:*

Marius SCARLAT (FRANCE), Yingze ZHANG (CHINA)

**INTERNATIONAL ORTHOPAEDICS TODAY**

Marius SCARLAT (FRANCE)

**THE SICOT-J – OPEN ACCESS PUBLICATION**

Hatem SAID (EGYPT)

**THE BRITISH BONE AND JOINT JOURNAL**

Vikas KHANDUJA (UNITED KINGDOM)

**THE EUROPEAN JOURNAL OF ORTHOPAEDIC SURGERY**

Cyril MAUFFREY (UNITED STATES)

**ACADEMIC ENGLISH IN WRITING**

Andrew QUAILE (UNITED KINGDOM)

**TRUE DATA AND DATA DISPLAY IN SCIENCE**

Andreas MAVROGENIS (GREECE)

12:00 - 12:30 **Plenary Lecture – Emily Chan (in Hall 1 Lingnan)**

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30 **Industry-Sponsored Symposium**

13:30 - 13:45 **Instructional Course – Sports Medicine II (Chinese Programme)**

*Moderators:*

Guoping LI, Xiaochun WEI, Yadong ZHANG (CHINA)

**TREATMENT FOR STRESS FRACTURE IN ATHLETE**

Guoping LI (CHINA)

13:45 - 17:30

**Free Papers – Sports Medicine III (Chinese Programme)**

13:45 - 14:10

*Moderators:*

Xiaochun WEI, Qing JIANG, Liaobin CHEN (CHINA)

**989 ARTHROSCOPIC MANAGEMENT OF SYNOVIAL CHONDROMA IN HIP**  
Zhigang WANG (CHINA)

**2225 INTRA-ARTICULAR LESIONS IN CHRONIC ACL-DEFICIENT KNEE**  
Jian WANG (CHINA)

**2847 THE EARLY OUTCOME OF MATRIX-INDUCED CHONDROCYTES  
TRANSPLANTATION FOR CARTILAGE DEFECT OF KNEE JOINT**  
Huayang HUANG (CHINA)

**3282 DIAGNOSIS AND TREATMENT OF ACUTE TRAUMATIC DISLOCATION OF  
PATELLA**  
Lunhao BAI (CHINA)

**3868 MEDICALISATION OF TIBIAL TUBEROSITY FOR RECURRENT PATELLA  
DISLOCATION AND TROCHLEAR DYSPLASIA**  
Hong CHEN (CHINA)

*Discussion Panelists:*

14:10 - 14:20 Bing XIA, Fangxiang LI, Huayang HUANG, Jianjun LI, Yuelin HU, Ming LING  
(CHINA)

14:20 - 14:55

*Moderators:*

Chongmin CHEN, Ning LIU, Jiakuo YU (CHINA)

**72 ARTHROSCOPIC MANAGEMENT OF HORIZONTAL TEARS OF LATERAL  
MENISCUS ANTERIOR HORN USING ACCESSORY MEDIAL PORTAL**  
Jiapeng ZHENG (CHINA)

**264 THE EFFECT OF ACL REMNANT-PRESERVING RECONSTRUCTION ON THE  
PROPRIOCEPTION RECOVERY OF KNEE JOINT**  
Yanlin LI (CHINA)

**1293 MANAGEMENT OF POSTOPERATIVE INFECTION OF ACL  
RECONSTRUCTION**  
Cheng WANG (CHINA)

**3139 FIXATION OF LATERAL MENISCUS POSTERIOR HORN THROUGH TIBIAL  
TUNNEL: OUTCOME ANALYSIS**  
Wei LI (CHINA)

**3333 TREATMENT OF INFECTION AFTER ACL RECONSTRUCTION**  
Tao ZHANG (CHINA)

**3985 CLINICAL OUTCOME OF “ALL-INSIDE” REPAIR FOR LATERAL MENISCUS POSTERIOR HORN TEAR BY NEEDLE THREADER ASSISTANT**  
Liang ZHAO (CHINA)

**4149 A NEW TREATMENT FOR INJURY OF TIBIAL INSERTION OF MEDIAL COLLATERAL LIGAMENT**  
Dongyang CHEN (CHINA)

*Discussion Panelists:*

14:55 - 15:05 Dongyang CHEN, Jingmin HUANG, Xi GONG, Jian LI, Xunwu HUANG, Yayi XIA (CHINA)

*Moderators:*

15:05 - 16:05 Yadong ZHANG, You WANG, Guanghua LEI (CHINA)

**166 DIAGNOSIS AND ARTHROSCOPIC TREATMENT FOR MEDIAL DISCOID MENISCUS OF KNEE: A REPORT OF 4 CASES**  
Peng XIANG (CHINA)

**325 REPAIR TECHNIQUES FOR MENISCUS INJURY OF KNEE**  
Yadong ZHANG (CHINA)

**382 OUTCOME OF ARTHROSCOPIC REPAIR FOR ANTERIOR HORN TEAR OF LATERAL MENISCUS BY ANCHOR**  
Jianhua REN (CHINA)

**2390 ARTHROSCOPIC TREATMENT OF POSTERIOR HORN TEAR OF LATERAL MENISCUS**  
Ning LIU (CHINA)

**2424 OUTCOME OF ARTHROSCOPIC MENISCOPLASTY AND REPAIR FOR UNSTABLE LATERAL DISCOID MENISCUS INJURY**  
Bin HU (CHINA)

**3793 DIAGNOSIS OF MENISCUS INJURY OF KNEE: MRI VERSUS ARTHROSCOPY**  
Chengwei WANG (CHINA)

**1007 CLINICAL OUTCOME OF SINGLE-BUNDLE PCL RECONSTRUCTION WITH MAXIMUM REMNANT PRESERVATION AND GRAFT TENSION-RELIEVING TECHNIQUE**  
Xi GONG (CHINA)

**1901 PCL RECONSTRUCTION BY SEMITENDINOSUS TENDON**  
Xunwu HUANG (CHINA)

**3944 EXTRAPHYSEAL ARTHROSCOPIC PCL RECONSTRUCTION IN CHILDREN**  
Chaowen LIN (CHINA)

**4627 PCL FOOTPRINT: MEASUREMENT AND CLINICAL APPLICATION**  
Lianxu CHEN (CHINA)

**1969 ARTHROSCOPIC PCL SUTURE AND MULTI-STAGE SURGERIES FOR MULTIPLE-LIGAMENT KNEE INJURY**  
Xiaobing XIANG (CHINA)

**2618 ONE-STAGE ARTHROSCOPIC MULTIPLE-LIGAMENT RECONSTRUCTION FOR ACUTE KNEE DISLOCATION: A CLINICAL STUDY**  
Wei LIN (CHINA)

16:05 - 16:15

*Discussion Panelists:*

Lunhao BAI, Xi GONG, Lei SUN, Xiaonan ZHANG, Yanlin LI (CHINA)

16:15 - 17:20

*Moderators:*

Liu YANG, Huayang HUANG, Bo YANG (CHINA)

**321 CLINICAL OUTCOME OF ARTHROSCOPIC POPLITEAL CYST RESECTION: A REPORT OF 23 CASES**  
Hui WANG (CHINA)

**461 DIAGNOSIS AND TREATMENT OF POSTEROLATERAL CORNER (PLC) INJURY**  
Kun WANG (CHINA)

**3305 SURGICAL TREATMENT OF DIFFUSE PIGMENTED VILLONODULAR SYNOVITIS OF KNEE JOINT: A REPORT OF 47 CASES**  
Bo YANG (CHINA)

**4110 THE TREATMENT OF TIBIAL PLATEAU FRACTURE: ARTHROSCOPY-ASSISTED SURGERY VERSUS OPEN REDUCTION INTERNAL FIXATION**  
Shilong WU (CHINA)

**4179 MINIMALLY INVASIVE SURGERY OF ARTHROSCOPY-ASSISTED INTERNAL FIXATION FOR COMPLEX TIBIAL PLATEAU FRACTURES WITH INVOLVEMENT OF CRUCIATE LIGAMENT INSERTION**  
Yu DANG (CHINA)

**1596 CLINICAL OUTCOME OF ARTHROSCOPIC DEBRIDEMENT IN ACUTE GOUT ARTHRITIS**  
Linke HUANG (CHINA)

**1762 EXPERIENCE OF ARTHROSCOPIC TREATMENT OF GCTTS OF KNEE JOINT**  
Yonghai PENG (CHINA)

**741 APPLICATION OF MODIFIED INSTALMENT OF VACUUM SEALING IN ARTHROSCOPIC SURGERY**  
Juanli ZHU (CHINA)

**973 PERIOPERATIVE NURSING IN HIP ARTHROSCOPIC SURGERY: A REPORT OF 101 CASES**  
Xiaole ZHANG (CHINA)

- 1074 APPLICATIONS OF CRYOTHERAPY AND THERMOTHERAPY IN SPORTS MEDICINE**  
Yingli WEI (CHINA)
- 1282 A STUDY OF POSTOPERATIVE SUPINE TIME AND POSITION AFTER COMBINED ANAESTHESIA**  
Xin WANG (CHINA)
- 4518 INFLUENCE OF POSTOPERATIVE EARLY CHANGES OF BLOOD SUPPLY AFTER ARTHROSCOPIC RELEASING ON REHABILITATION FOR PATIENTS WITH STIFF KNEE AFTER TKA**  
Yunli ZHU (CHINA)
- 5042 ACL TIBIAL REMNANT PRESERVATION RECONSTRUCTION ON PROPRIOCEPTION RECEPTORS: INFLUENCE AND MECHANISM**  
Guoming XIE (CHINA)

*Discussion Panelists:*

17:20 - 17:30 Gengyan XING, Jing ZHANG, Haibo YANG, Jinzhong ZHAO, Hong WANG, Dongyang CHEN (CHINA)



**Friday, 18 September**

**Hall 9 Jiangmen**

08:30 - 10:00

***Symposium – Paediatrics: Update in Paediatric Orthopaedics***

*Moderators:*

Ashok JOHARI (INDIA), Zhao LI (CHINA)

**CONGENITAL PSEUDOARTHROSIS OF THE TIBIA**

Gamal HOSNY (EGYPT)

**ADVANCES IN PAEDIATRIC HIP DISEASES**

Ashok JOHARI (INDIA)

**ROLE OF ORTHOPAEDIC SURGEON IN THE TREATMENT OF SKELETAL DYSPLASIA**

Haeryong SONG (SOUTH KOREA)

**UPDATE IN MANAGEMENT OF PAEDIATRIC SPINAL DEFORMITIES**

Shanmugathan RAJASEKARAN (INDIA)

**UPDATE IN TEV**

Zhao LI (CHINA)

10:00 - 10:30

***Break***

*Moderators:*

Ashok JOHARI (INDIA), Jianping YANG (CHINA)

- 41956 SUPRACONDYLAR FRACTURES IN CHILDREN**  
Atul SRIVASTAVA (INDIA)
- 40636 CROSSED-PIN CONFIGURATION VERSUS LATERAL PINS IN TREATMENT OF SUPRACONDYLAR HUMERAL FRACTURE IN CHILDREN**  
Elsayed SAID, Ahmed ADDOSOOKI (EGYPT)
- 39551 NEW DEFINITION OF FRACTURE DISPLACEMENT TO AVOID DELAYED SURGERY IN TREATING FRACTURE OF LATERAL CONDYLE OF HUMERUS IN CHILDREN**  
Ibrahim ALSHAYGY, Fawzi ALJASSIR, Mohamed Medhat ZAMZAM (SAUDI ARABIA)
- 39125 A PROSPECTIVE STUDY TO ASSESS WHETHER COXA VARA OCCURS IN PATIENTS TREATED WITH VARUS DEROTATION OSTEOTOMY COMPARED WITH PATIENTS TREATED NON-OPERATIVELY WITH PERTHES' DISEASE**  
Jefferson GEORGE (INDIA)
- 41431 EFFECT OF EARLY SCREENING ON THE RATE OF OPERATION FOR DEVELOPMENTAL HIP DYSPLASIA IN TIANJIN**  
Shuzhen DENG, Jianping YANG (CHINA)
- 40051 CLINICAL STUDIES OF ARTHROSCOPIC TREATMENT FOR DDH IN INFANTS AFTER THE FAILURE OF CLOSED REDUCTION**  
Liang ZHAO, Yijun WANG (CHINA)
- 39388 RISK FACTORS FOR LOWER RATE OF ANGULAR CORRECTION: A RETROSPECTIVE STUDY OF TEMPORARY HEMIEPIPHYSECTOMY FOR THE MANAGEMENT OF GENU VALGUM AND/OR VARUS**  
Zhenkai WU, Li ZHAO (CHINA)
- 41107 TEN-YEAR EXPERIENCE OF LONG BONE FRACTURE IN PAEDIATRICS BY ELASTIC STABLE INTRAMEDULLARY NAILS (ESIN)**  
Waleed AMRHASSAEN, Mohamed Slah ABDELAAL (EGYPT)
- 39066 DISPLACED TIBIAL TUBEROSITY FRACTURES IN ADOLESCENTS: KIRSCHNER WIRES AS AN ALTERNATIVE TO CANCELLOUS SCREWS**  
Stacy Wei Ling NG, Kevin Boon Leong LIM (SINGAPORE)
- 40362 A PROSPECTIVE STUDY OF COMPREHENSIVE TREATMENT OF 1,373 INFANTS WITH CONGENITAL MUSCULAR TORTICOLLIS**  
Shengping TANG, Zhangshuai ZHAO, Guibing FU, Ke SUN, Jianglong XU, Wei SHI, Shizhe LIU (CHINA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 14:00

*Break*

14:00 - 15:30

*Free Papers – Paediatrics II*

*Moderators:*

John DORMANS (UNITED STATES), Li ZHAO (CHINA)

- 41094 OPEN VS. ARTHROSCOPIC ANTERIOR RELEASE FOR INTERNAL SHOULDER CONTRACTURE IN OBSTETRIC BRACHIAL PLEXUS PALSY**  
Amr ALY, Moustafa EL-ABD, Moustafa ELSHERBINI, El-Beshry SHADY, Ghali NABIL (EGYPT)
- 39209 DIFFERENTIATED SURGICAL TACTICS OF SURGERY OF A CAPITELLUM PSEUDOARTHROSIS OF HUMERUS WITH CUBITUS VALGUS DEFORMATION IN CHILDREN**  
Khujanazarov ILKHOM, Khodjanov ISKANDAR, Khakimov SHERALI (UZBEKISTAN)
- 40970 DISPLACED RADIAL NECK FRACTURES IN CHILDREN: ASSOCIATION OF THE METAIZEAU AND BÖHLER SURGICAL TECHNIQUES**  
Lucas BOECHAT, Gilberto BRANDAO, Claudio BELING SOARES, Luiz Eduardo MOREIRA TEIXEIRA (BRAZIL)
- 39517 RAPID PROTOTYPING TECHNOLOGY FOR SURGERIES OF THE PAEDIATRIC CHRONIC ANTERIOR MONTEGGIA LESIONS**  
Wei TAN (CHINA)
- 40322 A STUDY OF 50 CASES OF MANAGEMENT OF NON-PHYSEAL FOREARM FRACTURE IN CHILDREN UP TO THE AGE OF 12 YEARS**  
Vishal MANDLEWALA, Prafulla HERODE (INDIA)
- 40124 EFFECT OF RADIUS AND ULNA OSTEOTOMY COMBINED WITH LENGTHENING ULNAR BY UNILATERAL EXTERNAL FIXATOR IN TREATMENT OF FOREARM MALFORMATION CAUSED BY HEREDITARY MULTIPLE OSTEOCHONDROMATOSIS**  
Shangwu DAI, Haomiao LI, Zixiong LEI, Ming LU, Dadi JIN (CHINA)
- 40659 CAUSE ANALYSIS AND MANAGEMENT OF POSTOPERATIVE FEMORAL FRACTURES IN CHILDREN WITH DDH**  
Qiang SHI, Xu LI (CHINA)

- 41166 CORRECTION OF POPLITEAL PTERYGIUM SYNDROME BY ILIZAROV EXTERNAL FIXATOR**  
M. Mofakhkharul BARI (BANGLADESH)
- 41229 MINIMALLY INVASIVE APPROACH TO MANAGEMENT OF CONGENITAL PSEUDOARTHROSIS OF TIBIA**  
Sandeep SHRIVASTAVA (INDIA)
- 40245 ADVANTAGES OF CONSERVATIVE TREATMENT BY METHOD OF ALIMKHANOVA R.S. IN CHILDREN'S CONGENITAL CLUBFOOT**  
Roza ALIMKHANOVA (KAZAKHSTAN)
- 41668 COMPARISON OF TWO CAST METHODS POST TENOTOMY IN PONSETI CLUBFOOT MANAGEMENT**  
Olayinka Oladiran ADEGBEHINGBE, Joseph Olorunsogo MEJABI, Oluwadare ESAN, Hakeem David BADMUS, Olalekan Akeem ANIPOLE, Lawrence Magbagbeola OGinni (NIGERIA)

15:30 - 16:00 **Break**

16:00 - 17:30 **Symposium – Research: Methodologies - Surgeon to Scientist**

*Moderators:*

Shanmuganathan RAJASEKARAN (INDIA), Dino SAMARTZIS (HONG KONG, CHINA)

**WHAT IS CLINICAL RESEARCH?**

Shanmuganathan RAJASEKARAN (INDIA)

**FORMULATING A RELEVANT RESEARCH QUESTION**

Kenneth CHEUNG (HONG KONG, CHINA)

**TYPES OF CLINICAL STUDY DESIGNS**

Hitesh GOPALAN (INDIA)

**DISCUSSION**

**STRUCTURING AND MANAGING A RESEARCH PROJECT**

Cody BÜNGER (DENMARK)

**CRITICAL ANALYSIS OF SCIENTIFIC ARTICLES**

Vikas KHANDUJA (UNITED KINGDOM)

**HOW TO ATTAIN SUCCESS IN PUBLICATION?**

Dino SAMARTZIS (HONG KONG, CHINA)

**DISCUSSION**





**Friday, 18 September**

**Hall 10 Jieyang**

08:30 - 10:00

**Free Papers – Hip: Bearing Surface & Bipolar Total Hip Arthroplasty**

*Moderators:*

Rocco PITTO (NEW ZEALAND), Zhanjun SHI (CHINA)

- 40239 THIRTY-YEAR RESULTS OF CERAMIC-ON-CERAMIC COUPLE IN TOTAL HIP**  
Laurent SEDEL (FRANCE)
- 39193 CERAMIC-ON-CERAMIC BEARING DECREASES DISLOCATION AND PREVENTS MUSCLE FATTY DEGENERATION BY PRESERVING MUSCLE PROGENITORS**  
Philippe HERNIGOU, Alexandre POIGNARD, Charles Henri FLOUZAT LACHANETTE (FRANCE)
- 40810 A PROSPECTIVE STUDY OF CERAMIC-ON-METAL BEARINGS IN TOTAL HIP ARTHROPLASTY AT FOUR YEARS: CLINICAL RESULTS, METAL ION LEVELS, INFLAMMATORY FACTOR LEVELS AND LIVER-KIDNEY FUNCTION**  
Yi ZENG, Bin SHEN (CHINA)
- 39142 METAL IONS IN WELL FUNCTIONING CERAMIC-ON-CERAMIC THR**  
Jan SOMERS (BELGIUM)
- 40237 RESULTS OF COC HIP PROSTHESIS WITH CONTEMPORARY DESIGN**  
Laurent SEDEL (FRANCE)
- 39401 STUDY OF FRACTURE NECK FEMUR TREATED WITH CEMENTED BIPOLAR PROSTHESIS VS. AUSTIN MOORE PROSTHESIS IN ELDERLY**  
Vishal MANDLEWALA, Prafulla HERODE, Abhijeet SHROFF (INDIA)
- 41287 BIPOLAR HEMIARTHROPLASTY FOR UNSTABLE INTERTROCHANTERIC FRACTURES: IDENTIFICATION OF NECK-OF-FEMUR FRACTURE PATTERN**  
Mohamed ABO-ELSOUND, Elsayed KASSEM, Ihab NEGM, Ahmed ATYAT ALLAH, Fouad SADEK (EGYPT)
- 39623 A MODULAR HEAD-NECK ADAPTER SYSTEM IN REVISION HIP ARTHROPLASTY**  
Maximilian RUDERT, Andre STEINERT, Christian KONRADS, Maik HOBERG (GERMANY)

10:00 - 10:30

**Break**

10:30 - 12:00

### *Symposium – Advance Bearing*

*Moderator:*

Zhanjun SHI (CHINA)

#### **15+ YEARS OF EXPERIENCE WITH ADVANCED BEARINGS**

Zhanjun SHI (CHINA)

#### **THE ROLE OF BEARINGS IN FRETTING CORROSION IN THA – CAUSES & SOLUTIONS**

Robert STREICHER (ITALY)

#### **PERIPROSTHETIC JOINT INFECTION: COULD THE BEARING SURFACE PLAY A ROLE?**

Kyung-Hoi KOO (SOUTH KOREA)

#### **REGISTERS & LONG-TERM CERAMIC-ON-CERAMIC IMPLANT PERFORMANCE**

Rocco PITTO (NEW ZEALAND)

#### **BEARING SELECTION IN HOSPITAL 301**

Jiying CHEN (CHINA)

12:00 - 12:30

### *Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

#### **UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 14:00

### *Industry-Sponsored Symposium*

14:00 - 15:30

### *Symposium – Hip: Proximal Femoral Fractures in the Elderly - How to Decrease a Catastrophic Issue?*

*Moderators:*

Jacques CATON (FRANCE), André FERREIRA (FRANCE)

#### **INTRODUCTION**

#### **EPIDEMIOLOGY, LOSS OF AUTONOMY, MORTALITY**

Jacques CATON (FRANCE)

#### **FRACTURES CLASSIFICATION, CURRENT TRENDS, ALGORITHM (HA, THA, ORIF)**

Francesco FALEZ (ITALY)

## **EPIDEMIOLOGY AND CURRENT TREATMENTS IN CHINA**

Fuxing PEI (CHINA)

## **ORIF COMPLICATIONS**

Cyril MAUFFREY (UNITED STATES)

## **HA AND THA COMPLICATIONS**

André FERREIRA (FRANCE)

## **IS THA IN INTRACAPSULAR FRACTURES (ICF) THE BEST?**

Fatih KUCUKDURMAZ (TURKEY)

## **IS THA IN EXTRACAPSULAR TROCHANTERIC FRACTURES (ECTF) ALWAYS POSSIBLE?**

François STEFFANN (FRANCE)

## **ORIF COMPLICATIONS REVISION BY THA**

Jean-Louis PRUDHON (FRANCE)

## **DOES DUAL MOBILITY CUP DECREASE MORTALITY?**

André FERREIRA (FRANCE)

## **CONCLUSION & DISCUSSION**

15:30 - 16:00 **Break**

16:00 - 17:30

## **Instructional Course – Hip: Hip Preserving Surgery in Young Adults**

*Moderator:*

Jacques CATON (FRANCE)

## **HIP ARTHROSCOPY IN CONSERVATIVE HIP SURGERY**

Hatem SAID (EGYPT)

## **DISTAL TRANSFER OF THE GREAT TROCHANTER**

Jacques CATON (FRANCE)

## **TECHNIQUE AND INDICATION OF SHELF ARTHROPLASTY**

Philippe CHIRON (FRANCE)

## **PERIACETABULAR OSTEOTOMY**

Fatih KUCUKDURMAZ (TURKEY)

## **CONSERVATIVE TREATMENT IN HIP OSTEONECROSIS: STEM CELLS AND FEMORAL OSTEOTOMY**

Philippe HERNIGOU (FRANCE)

## **CONCLUSION & DISCUSSION**



**Friday, 18 September**

**Hall 11 Maoming**

10:30 - 12:00

**ARTOF (Association for Rational Treatment of Fractures)  
Instructional Course – Update on Periprosthetic Fractures**

*Moderators:*

Peter BIBERTHALER (GERMANY), Wolfhart PUHL (GERMANY)

**EPIDEMIOLOGY OF PERIPROSTHETIC FRACTURES**

Marc HANSCHEN (GERMANY)

**CLASSIFICATION OF PERIPROSTHETIC FRACTURES**

Michael NERLICH (GERMANY)

**PRINCIPLES OF REVISION ARTHROPLASTY**

James WADDELL (CANADA)

**PRINCIPLES OF REDUCTION AND FIXATION IN PERIPROSTHETIC  
FRACTURES**

Peter BIBERTHALER (GERMANY)

**WORKSHOP**

12:00 - 12:30

**Plenary Lecture – Emily Chan (in Hall 1 Lingnan)**

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 14:00

**Industry-Sponsored Symposium**

14:00 - 15:30

**Free Papers – Trauma: Tibia - Miscellaneous**

*Moderators:*

Nikolaj WOLFSON (UNITED STATES), Xinbao WU (CHINA)

**40881 THE NOVEL SURGICAL LAGLOC TECHNIQUE FOR LOCKING PLATE  
SYSTEMS: BIOMECHANICAL INVESTIGATION AND FIRST CLINICAL  
APPLICATIONS**

Boyko GUEORGUIEV<sup>1</sup>, Miguel TRIANA<sup>2</sup>, Tobias HELFEN<sup>3</sup>, Ivan ZDERIC<sup>1</sup>,  
Yash AGARWAL<sup>1</sup>, Fabian KRAUSE<sup>1</sup>, Geoff RICHARDS<sup>1</sup>  
<sup>1</sup>(SWITZERLAND), <sup>2</sup>(COLOMBIA), <sup>3</sup>(GERMANY)

- 40484 USE OF EXTERNAL FIXATION AS A MEANS OF DEFINITIVE MANAGEMENT IN ANKLE FRACTURES: A RETROSPECTIVE ANALYSIS OF OUTCOMES FROM A MAJOR TRAUMA CENTRE**  
Daniel THURSTON, Rajpal NANDRA, Katerina PELEKI, Pantelis TSANTANIS, Seyed Ashgar ALI, Paul FENTON (UNITED KINGDOM)
- 41928 GAP NON-UNION OF TIBIA WITH SCARRING: HUNTINGTON'S PROCEDURE**  
Gaurav SANJAY (INDIA)
- 41559 EARLY BI-COLUMN FIXATION FOR LOW VELOCITY SHATZKER V & VI TIBIAL CONDYLE FRACTURES: RESULTS AND CONCERNS IN A CASE SERIES**  
R. THUKRAL (INDIA)
- 41368 LIGAMENTOTAXIS BY ILIZAROV FIXATOR FOR COMPLEX TIBIAL PLATEAU FRACTURES**  
Satya Ranjan PATRA, Dibya Singha DAS, Naresh PANIGRAHI (INDIA)
- 41570 ROLE OF COMPOSITE BONE GRAFT VERSUS AUTOGRAFT FOR BRIDGING BONE DEFECT**  
Yuvraj HIRA (INDIA)

15:30 - 16:00 **Break**

16:00 - 17:30 **Free Papers – Trauma: Upper Limb I**

*Moderators:*

Essam EL SHERIF (EGYPT), Dan JIN (CHINA)

- 39171 OPERATIVE TREATMENT OF THE EXTRA-ARTICULAR FRACTURES OF THE SCAPULA**  
Asen BALTOV<sup>1</sup>, Dian ENCHEV<sup>1</sup>, Mihail RASHKOV<sup>1</sup>, Tabet AL SADEK<sup>2</sup>  
<sup>1</sup>(BULGARIA), <sup>2</sup>(UNITED ARAB EMIRATES)
- 40410 CLINICAL EFFECTS OF LOCKING COMPRESSION PLATE FOR NEER II B FRACTURES OF THE DISTAL CLAVICLE**  
Dan JIN, Zhenlv ZOU (CHINA)
- 41096 A RETROSPECTIVE STUDY OF LATERAL END CLAVICULAR FIXATION WITH HOOK PLATE**  
Waleed AMRHASSAEN, Mohammad Salah ABDELAAL (EGYPT)
- 41286 INTRINSIC AND EXTRINSIC RISK FACTORS FOR NON-UNION AFTER NONOPERATIVE TREATMENT OF MIDSHAFT CLAVICULAR FRACTURES**  
Dan XING, Xinlong MA, Yang CHEN (CHINA)
- 39162 OPERATIVE FIXATION OF DISPLACED CLAVICLE FRACTURE WITH SUPERIOR RECONSTRUCTION PLATE OSTEOSYNTHESIS**  
Terin Thomas Cherian THOMAS, Sagar SAGAR, V. Police Patil NEELANAGOWDA (INDIA)

- 40591 HEMIARTHROPLASTY FOR COMMINUTED PROXIMAL HUMERAL FRACTURES: COMPARISON BETWEEN CLINICAL OUTCOMES AND RADIOLOGICAL EVALUATION**  
Hiroshi HASHIGUCHI, Satoshi IWASHITA, Atsushi OHKUBO, Shinro TAKAI (JAPAN)
- 40593 FUNCTIONAL OUTCOME OF CLOSED PROXIMAL HUMERUS FRACTURE IN THIRD WORLD COUNTRIES TREATED BY PERCUTANEOUS THREADED K-WIRES – STUDY ON 47 CASES**  
Ashok Kumar DAS (INDIA)
- 42391 TREATMENT OF METASTATIC HUMERAL FRACTURE WITH A LOCKED INTRAMEDULLARY NAIL**  
Peng GAO (CHINA)
- 42390 TIPS AND TRICKS IN HELICAL PLATING OF PROXIMAL METAPHYSEAL-DIAPHYSEAL HUMERAL SHAFT FRACTURES WITH LONG PHILOS PLATE PERCUTANEOUSLY: BASED ON A CADAVERIC STUDY**  
Lei WANG (CHINA)
- 42389 A FIXATION TECHNIQUE FOR UNSTABLE NEER TYPE II DISTAL CLAVICLE FRACTURE BY USING DUAL MINI-PLATES**  
Hairong TAO (CHINA)
- 42372 PREOPERATIVE ESTIMATION OF THE RADIAL HEAD SAFE ZONE BY COMPUTER TOMOGRAPHY**  
Yu ZHAN (CHINA)



**Friday, 18 September**

**Hall 12 Shenzhen**

08:30 - 10:00

**Free Papers – Sports Medicine: Arthroscopy & Miscellaneous**

*Moderators:*

Guoping LI (CHINA), William RODKEY (UNITED STATES)

- 39394 COMPARISON OF TWO DIFFERENT NEEDLES USED AS KNIFE ON KNEE ARTHROSCOPIC PORTALS SCALPEL PROCEDURES**  
Fabio Ferraz do Amaral RAVAGLIA, Rodrigo Sbeghen PASCOALINO (BRAZIL)
- 42127 THE TREATMENT OF KIENBOCK'S DISEASE WITH RADIAL SHORTENING AND WRIST ARTHROSCOPY DECOMPRESSION**  
Jun HU, Longhai QIU, Yinfeng XU (CHINA)

- 41775 COLOUR-AIDED ARTHROSCOPIC RESECTION OF DORSAL WRIST GANGLION**  
Awkash KUMAR (INDIA)
- 39626 A RARE CASE OF INTRA-ARTICULAR DISPLACEMENT OF ENDOBUTTON FOLLOWING ACL RECONSTRUCTION**  
Sean HO, Keng Thiam LEE (SINGAPORE)
- 42131 EVALUATION OF COMPUTER-ASSISTED PREOPERATIVE PLANNING SYSTEM IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**  
Yanlin LI (CHINA)
- 42130 GAIT MODIFICATION STRATEGIES IN TRUNK-OVER-RIGHT STANCE PHASE IN PATIENTS WITH RIGHT ANTERIOR CRUCIATE LIGAMENT DEFICIENCY**  
Wenhui ZHU (CHINA)
- 41667 SUBTALAR ARTHROSCOPY FOR VARIOUS INDICATIONS: SHOULD IT BE A GOLD STANDARD? A SINGLE SURGEON EXPERIENCE**  
Abhishek ABHISHEK<sup>1</sup>, Rajan MAHESHWARI<sup>2</sup>, Madhavan PAPANNA<sup>1</sup>, Sanjeev MADAN<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(INDIA)
- 41448 SHORT-TERM OUTCOME OF ARTHROSCOPIC MODIFIED BROSTRÖM REPAIR FOR CHRONIC LATERAL ANKLE INSTABILITY**  
Tomohiro MATSUI, Tsukasa KUMAI, Yasushi SHINOHARA, Ichiro HIGASHIYAMA, Yasuhito TANAKA (JAPAN)
- 42128 ARTHROSCOPIC INTEROSSEOUS TALOCALCANEAL LIGAMENT RECONSTRUCTION**  
Chen JIAO (CHINA)

10:00 - 10:30 **Break**

10:30 - 12:00 **Symposium – Sports Medicine: Meniscus**

*Moderators:*

Vikas KHANDUJA (UNITED KINGDOM), William RODKEY (UNITED STATES)

**MENISCUS REPAIR TECHNIQUES**

Pedro GUILLEN (SPAIN)

**MENISCUS ALLOGRAFT TRANSPLANTATION**

Rene VERDONK (BELGIUM)

**COLLAGEN MENISCUS IMPLANT AND OTHER SCAFFOLDS**

William RODKEY (UNITED STATES)

**MENISCUS ROOT AVULSION**

Deepak PATEL (UNITED STATES)

**DISCUSSION**

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*

13:30 - 14:00

*Break*

14:00 - 15:30

*Free Papers – Sports Medicine: Knee Arthroscopy - Ligaments I*

*Moderators:*

Xuesong DAI (CHINA), Rene VERDONK (BELGIUM)

**40140 ASSESSMENT OF ARTHROSCOPIC MOTOR SKILLS AND ESTABLISHING  
BENCHMARKS FOR TRAINING USING SAWBONES 'FAST' ARTHROSCOPY  
WORKSTATION**

Hatem SAID, Goyal SAUMITRA, Mohamed ABDEL RADY, Karamallah  
RAMADAN (EGYPT)

**39957 CLINICAL EPIDEMIOLOGICAL ANALYSIS ON POSTERIOR CRUCIATE  
LIGAMENT INJURIES**

Gang CHEN (CHINA)

**41678 OUTCOMES IN PCL RECONSTRUCTION – 5-YEAR FOLLOW-UP**

Ivan GEROV, Vladimir RUSIMOV, Bojko ANGELOV (BULGARIA)

**42280 A COMPARISON OF BIOMECHANICAL PROPERTIES BETWEEN  
TRANSTIBIAL AND INLAY TECHNIQUE FOR POSTERIOR CRUCIATE  
LIGAMENT RECONSTRUCTION IN AN OSTEOPOROTIC MODEL**

Yue LI (CHINA)

**39958 CLINICAL STUDY ON FACTORS ASSOCIATED WITH MENISCUS AND  
CARTILAGE INJURIES ACCOMPANYING ISOLATED RUPTURE OF  
POSTERIOR CRUCIATE LIGAMENT**

Gang CHEN (CHINA)

**41158 ARTHROSCOPIC POSTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN  
PATIENTS WITH OPEN PHYSES: A NEW PHYSEAL SPARING TECHNIQUE  
WITH CASE REPORT**

Chaowen LIN, Sheng ZHANG, Xiaoreng FENG, Bin CHEN, Jintao FANG  
(CHINA)

**41639 ARTHROSCOPIC TREATMENT OF ACUTE TIBIAL AVULSION FRACTURE OF  
THE PCL WITH SUTURE BRIDGE FIXATION TECHNIQUE**

Jefferson GEORGE (INDIA)



**42279 ARTHROSCOPIC SUTURE FIXATION FOR TIBIAL AVULSION FRACTURE OF THE POSTERIOR CRUCIATE LIGAMENT: A MODIFIED TECHNIQUE IN A SERIES OF 22 CASES**

Liaobin CHEN (CHINA)

**40228 STAGED APPROACH FOR TREATMENT OF ACL / MCL INJURIES – A CASE SERIES**

Paul Ross MIDDLETON (UNITED KINGDOM)

**40972 SIMULTANEOUS ACL RECONSTRUCTION AND HIGH TIBIAL OSTEOTOMY**

Walid REDA, Ashraf MOHARRAM, Ahmed NOKEETY (EGYPT)

15:30 - 16:00 *Break*

16:00 - 17:30 *Free Papers – Sports Medicine: Knee Arthroscopy - Ligaments II*

*Moderators:*

Ajeaya ADHIKARI (UNITED KINGDOM), Yujie LIU (CHINA)

**39233 EFFECT OF RETAINED POSTERIOR HORN OF MEDIAL MENISCUS ON FUNCTIONAL OUTCOME OF ACL RECONSTRUCTED KNEES**

Kevin SYAM, Mandeep Singh DHILLON, Devendra Kumar CHOUHAN (INDIA)

**41460 AN ASSESSMENT OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING AUTO TRIFOLD SEMITENDINOSIS GRAFT BY ENDOBUTTON IN SOUTH INDIAN POPULATION**

Rohit BANSAL, Chitta Ranjan SAHU, Jagadesh GUDARU (INDIA)

**42278 ARTHROSCOPIC MULTIPLE LIGAMENT COMBINED RECONSTRUCTION TO TREAT TRAUMATIC KNEE DISLOCATION**

Xunwu HUANG (CHINA)

**39444 MPFL RECONSTRUCTION USING A QUADRICEPS TENDON GRAFT**

Ion Bogdan CODOREAN, Florin DIACONU, Stefania TANASE, Eduard CERNAT (ROMANIA)

**41911 ARTHROSCOPIC ASSISTED TENSIONING TECHNIQUE IN MPFL RECONSTRUCTION**

Tarek KHADRAWY, Ahmed WALY (EGYPT)

**40868 METHODS OF SURGICAL TREATMENT OF ENTHESIOPATHIES OF POPLITEUS TENDON OF THE KNEE**

Mirkhakim AZIZOV, Bekpulat BAKIEV, Farrukh USMONOV (UZBEKISTAN)

**41598 A HUGE HETEROGENOUS MEDIAL PARAMENISCAL CYST OF THE KNEE JOINT: A RARE CASE REPORT**

Praveen Kumar BIRRU<sup>1</sup>, Bertran XAVIER MANUBENS<sup>2</sup>, Reddy SIDDARTH<sup>1</sup>, Basha AKBAR<sup>1</sup>

<sup>1</sup>(INDIA), <sup>2</sup>(SPAIN)



**Friday, 18 September**

**Hall 13 Shantou**

08:30 - 10:00

**Free Papers – Spine: Congenital**

*Moderators:*

David ROYE (UNITED STATES), Jianguo ZHANG (CHINA)

- 39697 THE CLINICAL OUTCOMES OF CORRECTIVE SURGERY IN CONGENITAL SCOLIOSIS PATIENTS WITH TYPE I SPLIT SPINAL CORD MALFORMATION**  
Fan FENG, Jianxiong SHEN (CHINA)
- 40407 RISK FACTORS FOR INSTRUMENT-RELATED COMPLICATIONS FOLLOWING PRIMARY POSTERIOR HEMIVERTEBRA RESECTION: 135 CASES WITH MORE THAN 2 YEARS' AVERAGE FOLLOW-UP**  
Jianguo ZHANG, Jianwei GUO, Shengru WANG, Hai WANG (CHINA)
- 40915 PULMONARY FUNCTION IN CHILDREN WITH CONGENITAL SCOLIOSIS AND RIB DEFORMITIES: A RETROSPECTIVE STUDY OF 203 PATIENTS**  
Nanfang XU<sup>1</sup>, Jun CAO<sup>1</sup>, David ROYE<sup>2</sup>, Hiroko MATSUMOTO<sup>2</sup>, Lin SUN<sup>1</sup>, Xuejun ZHANG<sup>1</sup>  
<sup>1</sup>(CHINA), <sup>2</sup>(UNITED STATES)
- 40844 CONGENITAL CERVICAL SCOLIOSIS: TREATMENT STRATEGY AND TIMING OF SURGERY**  
Nanfang XU, Miao YU, Zhongjun LIU, Shengfa PAN, Yu SUN (CHINA)
- 41800 PRIMARY STUDY OF CONGENITAL SPINAL DEFORMITY MANAGEMENT**  
Tanvi SURYAWANSHI, Raviraj SHINDE, Ajit SHINDE, Neelima SHINDE (INDIA)
- 40647 POSTERIOR REDUCTION AND MONOSEGMENTAL FUSION WITH INTRAOPERATIVE 3-DIMENSIONAL NAVIGATION SYSTEM IN THE TREATMENT OF HIGH-GRADE DEVELOPMENTAL SPONDYLOLISTHESIS**  
Xiaoguang HAN, Wei TIAN (CHINA)
- 39575 THE RIB CONSTRUCT (RC) HAS PROVIDED SECURE PROXIMAL FIXATION FOR MANAGEMENT OF PATIENTS WITH EOS AND SEVERE THORACIC HYPERKYPHOSIS**  
Alaaeldin AHMAD<sup>1</sup>, Loai AKER<sup>1</sup>, Yehia HANBALI<sup>1</sup>, Aesha SBAIH<sup>1</sup>, Richard GROSS<sup>2</sup>  
<sup>1</sup>(PALESTINE), <sup>2</sup>(UNITED STATES)
- 40458 EFFECTIVENESS OF TREATING CHILDREN WITH EARLY ONSET SCOLIOSIS (EOS) WITH SERIAL DEROTATIONAL CASTING**  
David ROYE, Anny HSU, Hiroko MATSUMOTO, Mark SULLIVAN, Evan TRUPIA, Benjamin ROYE, Michael VITALE (UNITED STATES)

- 42384 THE COMPARISONS BETWEEN THE SHORT-TERM CLINICAL OUTCOMES OF PRECISE DECOMPRESSION WITH NON-FUSION OPERATION AND TRADITIONAL FUSION OPERATION FOR SINGLE-SEGMENTAL SPINAL STENOSIS IN THE AGED**  
Ji WU (CHINA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Free Papers – Spine: Cervical*

*Moderators:*

Dino SAMARTZIS (HONG KONG, CHINA), Wen YUAN (CHINA)

- 39686 ANTERIOR RETROPHARYNGEAL REDUCTION AND SEQUENTIAL POSTERIOR FUSION FOR ATLANTOAXIAL ROTATORY FIXATION WITH C1-2 LATERAL FACET LOCKED**  
Qi CHEN, Yueming SONG (CHINA)
- 39762 A NOVEL CLIVUS PLATE FIXATION FOR RECONSTRUCTION OF VENTRAL DEFECT OF THE CRANIOVERTEBRAL JUNCTION**  
Qingan ZHU, Wei JI, Jie TONG, Zhiping HUANG (CHINA)
- 39332 DIFFUSION TENSOR IMAGING IN CERVICAL SYRINGOMYELIA SECONDARY TO CHIARI I MALFORMATION: PRELIMINARY RESULTS**  
Weiguo ZHU (CHINA)
- 39273 REMODELLING OF THE CERVICAL SPINAL CANAL IN PATIENTS WITH CHIARI I MALFORMATION AFTER POSTERIOR FOSSA DECOMPRESSION**  
Xu SUN (CHINA)
- 42284 A NOVEL TECHNIQUE FOR EXPOSURE OF POSTERIOR CERVICAL SPINE WITH PRESERVATION OF BILATERAL SPINOUS PROCESS-LIGAMENT-MUSCLE COMPLEX IN LAMINOPLASTY**  
Xuan HUANG (CHINA)
- 42283 THE CLINICAL EFFICACY AND CHANGES OF RADIOLOGY IMAGING OF THE MULTILEVEL ANTERIOR CERVICAL DECOMPRESSION AND FUSION FOR CERVICAL SPONDYLOSIS IN ELDERLY**  
Liang ZHANG (CHINA)
- 40786 COMPARISON OF STAND-ALONE CERVICAL CAGES WITH ANTERIOR CERVICAL PLATES IN THE TREATMENT OF CERVICAL SPONDYLOSIS**  
Yanping ZHENG (CHINA)
- 40570 INCIDENCE OF DYSPHAGIA AFTER ANTERIOR CERVICAL DECOMPRESSION AND FUSION WITH THE ZERO-PROFILE IMPLANT SYSTEM: A META-ANALYSIS BASED ON 25 OBSERVATIONAL STUDIES**  
Yi YANG, Hao LIU (CHINA)

**42282 A NEW TECHNIQUE FOR TREATMENT OF UNILATERAL LOCKED FACET JOINTS OF THE LOWER CERVICAL SPINE AND ITS CLINICAL APPLICATION**  
Xinjia WANG (CHINA)

**42281 THE MORPHOLOGICAL AND CLINICAL SIGNIFICANCE OF DEVELOPMENTAL CERVICAL STENOSIS**  
Yanchao TANG (CHINA)

12:00 - 12:30 *Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**  
Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30 *Industry-Sponsored Symposium*

13:30 - 14:00 *Break*

14:00 - 15:30 *Free Papers – Spine: Deformities I*

*Moderators:*

Yong QIU (CHINA), Yat Wa WONG (HONG KONG, CHINA)

**40030 RISK FACTORS ASSOCIATED WITH ROD FRACTURE AFTER OSTEOTOMY FOR ADULT SPINAL DEFORMITY**  
Cameron BARTON, Andriy NOSHCHENKO, Vikas PATEL, Christopher CAIN, Christopher KLECK, Evalina BURGER (UNITED STATES)

**40283 RISK FACTORS FOR NON-NEUROLOGICAL COMPLICATIONS IN COMPLEX ADULT SPINAL DEFORMITY SURGERY: AN INTERNATIONAL, LARGE-SCALE, PROSPECTIVE MULTI-CENTRE STUDY**  
Cora BOW<sup>1</sup>, Kenneth Man-Chee CHEUNG<sup>1</sup>, Dino SAMARTZIS<sup>1</sup>, Mark DEKUTOSKI<sup>2</sup>, Frank SCHWAB<sup>2</sup>, Oheneba BOACHIE-ADJEI<sup>3</sup>, Khaled KEBASH<sup>2</sup>, Christopher AMES<sup>2</sup>, Yong QIU<sup>4</sup>, Yukihiro MATSUYAMA<sup>5</sup>, Benny DAHL<sup>6</sup>, Hossein MEHDIAN<sup>2</sup>, Ferran PELLISÉ-URQUIZA<sup>7</sup>, Leah CARREON<sup>2</sup>, Christopher SHAFFREY<sup>2</sup>, Michael FEHLINGS<sup>8</sup>, Lawrence LENKE<sup>2</sup>  
<sup>1</sup>(HONG KONG, CHINA), <sup>2</sup>(UNITED STATES), <sup>3</sup>(GHANA), <sup>4</sup>(CHINA), <sup>5</sup>(JAPAN), <sup>6</sup>(DENMARK), <sup>7</sup>(SPAIN), <sup>8</sup>(CANADA)

- 40277 THE EFFECT OF POSTOPERATIVE COMPLICATIONS IN COMPLEX ADULT SPINAL DEFORMITY SURGERY ON SURGICAL OUTCOMES: AN INTERNATIONAL, LARGE-SCALE, PROSPECTIVE MULTI-CENTRE STUDY**  
Cora BOW<sup>1</sup>, Kenneth Man-Chee CHEUNG<sup>1</sup>, Dino SAMARTZIS<sup>1</sup>, Kenny KWAN<sup>1</sup>, Mark DEKUTOSKI<sup>2</sup>, Frank SCHWAB<sup>2</sup>, Oheneba BOACHIE-ADJEI<sup>3</sup>, Khaled KEBASH<sup>2</sup>, Christopher AMES<sup>2</sup>, Yong QIU<sup>4</sup>, Yukihiro MATSUYAMA<sup>5</sup>, Benny DAHL<sup>6</sup>, Hossein MEHDIAN<sup>2</sup>, Ferran PELLISÉ-URQUIZA<sup>7</sup>, Leah CARREON<sup>2</sup>, Christopher SHAFFREY<sup>2</sup>, Michael FEHLINGS<sup>8</sup>, Lawrence LENKE<sup>2</sup>  
<sup>1</sup>(HONG KONG, CHINA), <sup>2</sup>(UNITED STATES), <sup>3</sup>(GHANA), <sup>4</sup>(CHINA), <sup>5</sup>(JAPAN), <sup>6</sup>(DENMARK), <sup>7</sup>(SPAIN), <sup>8</sup>(CANADA)
- 42349 CLINICAL ANALYSIS OF COMPLICATIONS OF THREE-DIMENSIONAL CORRECTION FOR SCOLIOSIS**  
Hongqi ZHANG (CHINA)
- 40266 SAGITTAL PLANE CORRECTION IS CORRELATED WITH QUALITY OF LIFE AT EARLY FOLLOW-UP IN ADULT DEFORMITY PATIENTS**  
Evalina BURGER<sup>1</sup>, Andriy NOSHCHENKO<sup>1</sup>, Cameron BARTON<sup>1</sup>, Sean MOLLOY<sup>2</sup>, Michael CHANG<sup>1</sup>, Vincent FIERE<sup>3</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(UNITED KINGDOM), <sup>3</sup>(FRANCE)
- 39992 COMPARISON OF POSTERIOR RELEASE AND INTERNAL DISTRACTION AND FINAL SPINAL FUSION VERSUS ONE-STAGE POSTERIOR VERTEBRAL COLUMN RESECTION FOR SEVERE AND RIGID CONGENITAL SCOLIOSIS**  
Shichang LIU, Yueming SONG (CHINA)
- 42350 SURGICAL TREATMENT OF THORACOLUMBAR KYPHOSIS IN ELDERLY PATIENTS WITH OLD OSTEOPOROTIC COMPRESSION FRACTURES**  
Changtai SUN (CHINA)
- 39335 FLEXIBILITY IN ADOLESCENT IDIOPATHIC SCOLIOSIS: MODIFIED ADAM'S FORWARD BENDING TEST**  
Keith LUK<sup>1</sup>, Alpaslan SENKOYLU<sup>2</sup>, Mustafa ILHAN<sup>2</sup>, Necdet ALTUN<sup>2</sup>, Dino SAMARTZIS<sup>1</sup>  
<sup>1</sup>(HONG KONG, CHINA), <sup>2</sup>(TURKEY)

15:30 - 16:00 **Break**

16:00 - 17:30 **Free Papers – Spine: Deformities II**

*Moderators:*

Marc HANSCHEN (GERMANY), Zezhang ZHU (CHINA)

- 39908 USE OF ULTRASOUND TO MONITOR DISTRACTIONS BY MAGNETICALLY CONTROLLED GROWING RODS: A LONGITUDINAL CORRELATION STUDY**  
Cora BOW, Jason Pui Yin CHEUNG, Dino SAMARTZIS, Kenny KWAN, Kenneth Man-Chee CHEUNG (HONG KONG, CHINA)

- 40527 PROXIMAL RIB VS. PROXIMAL SPINE ANCHORS IN GROWING RODS: A MULTI-CENTRE PROSPECTIVE COHORT STUDY**  
David ROYE<sup>1</sup>, Michael VITALE<sup>1</sup>, Hiroko MATSUMOTO<sup>1</sup>, Mark SULLIVAN<sup>1</sup>, Evan TRUPIA<sup>1</sup>, Julie YOSHIMACHI<sup>1</sup>, Diana LEE<sup>1</sup>, Sumeet GARG<sup>1</sup>, John FLYNN<sup>1</sup>, Peter STURM<sup>1</sup>, Paul SPONSELLER<sup>1</sup>, Francisco SANCHEZ PEREZ-GRUESO<sup>2</sup>, David SKAGGS<sup>1</sup>, Children's Spine Study Group<sup>1</sup>, Growing Spine Study Group<sup>1</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(BOLIVIA)
- 39189 MANAGING EARLY ONSET SCOLIOSIS WITH MAGNETICALLY-CONTROLLED GROWING RODS FOR MANAGING SCOLIOSIS: DOES THE LAW OF DIMINISHING RETURNS APPLY?**  
Jason Pui Yin CHEUNG, Cora BOW, Dino SAMARTZIS, Kenny KWAN, Kenneth Man Chee CHEUNG (HONG KONG, CHINA)
- 39656 DUAL GROWING ROD TREATMENT IN EARLY ONSET SCOLIOSIS: THE EFFECT OF REPEATED LENGTHENING SURGERIES ON THORACIC GROWTH AND DIMENSIONS**  
Zhijian SUN (CHINA)
- 39188 RANDOMISED DOUBLE-BLINDED CLINICAL TRIAL TO EVALUATE THE SAFETY AND EFFICACY OF SUPER-ELASTIC MEMORY ALLOY SPINAL ROD VERSUS STANDARD TITANIUM SPINAL ROD IN PATIENTS WITH ADOLESCENT IDIOPATHIC SCOLIOSIS: FIVE-YEAR FOLLOW-UP RESULTS**  
Jason Pui Yin CHEUNG, Kelvin YEUNG, Dino SAMARTZIS, Michael TO, Kenny KWAN, Keith Dip Kei LUK, Kenneth Man Chee CHEUNG (HONG KONG, CHINA)
- 41805 CURVE FLEXIBILITY AND MAINTENANCE OF CURVE CORRECTION IN ALTERNATE LEVEL PEDICLE SCREW FIXATION IN ADOLESCENT IDIOPATHIC THORACIC SCOLIOSIS**  
Dino SAMARTZIS, Anne Kathleen B. GANAL-ANTONIO, Hideke SHIGEMATSUI, Hiroaki MATSUMORI, Cora BOW, Kin-Cheung MAK, Keith LUK, Kenneth Man-Chee CHEUNG (HONG KONG, CHINA)
- 40271 A PROSPECTIVE COMPARISON OF SURGICAL OUTCOMES OF TWO DIFFERENT SURGICAL TECHNIQUES IN CORRECTING THORACIC ADOLESCENT IDIOPATHIC SCOLIOSIS**  
Keith LUK<sup>1</sup>, Boon-Beng TAN<sup>2</sup>, Darren HUI<sup>1</sup>, Hideki SHIGEMATSU<sup>3</sup>, Cora BOW<sup>1</sup>, Yat-Wa WONG<sup>1</sup>, Kenneth Man-Chee CHEUNG<sup>1</sup>, Dino SAMARTZIS<sup>1</sup>  
<sup>1</sup>(HONG KONG, CHINA), <sup>2</sup>(MALAYSIA), <sup>3</sup>(JAPAN)
- 42352 TOUCH VERTEBRA – A NEW STANDARD FOR THE CHOICE OF LOWEST INSTRUMENTED VERTEBRA IN SELECTIVE POSTERIOR THORACOLUMBAR OR LUMBAR FUSION FOR ADOLESCENT IDIOPATHIC SCOLIOSIS**  
Shengru WANG (CHINA)



**Friday, 18 September**

**Hall 14 Qingyuan**

10:30 - 12:00

**Short Oral Presentations – Trauma - Miscellaneous**

*Moderators:*

Jun OKAMOTO (JAPAN), Canjun ZENG (CHINA)

**40267 SINGLE PARARECTUS APPROACH FOR BOTH-COLUMN ACETABULAR FRACTURE**

Shicai FAN, Xiaodong YANG, Guang XIA (CHINA)

**39817 SCHWANNOMA OR NEURILEMMOMA IN BRACHIAL PLEXUS: A CLINICAL REVIEW OF 29 CASES**

Gang ZHONG (CHINA)

**40467 A BIOMECHANICAL INVESTIGATION ON CURRENT FIXATION OPTIONS FOR PROXIMAL HUMERUS FRACTURES: LOCKED INTRAMEDULLARY NAIL AND LOCKED PLATE**

Hui ZHAO, Yongchao QIN, Junlin ZHOU (CHINA)

**40761 THE TREATMENT OF UNSTABLE DISTAL CLAVICLE FRACTURES (NEER II) USING DIFFERENT INTERNAL FIXATIONS**

Jian XIONG, Jianhai CHEN, Yu DANG (CHINA)

**40572 MANAGEMENT OF COMPLEX VASCULAR INJURY IN UPPER EXTREMITY WITH TEMPORARY INTRAVASCULAR SHUNT FOLLOWED BY IMMEDIATE FLOW-THROUGH FLAP TRANSFER**

Qingtang ZHU, Jian QI (CHINA)

**41285 COMPARISON OF FUNCTIONAL RESULTS BETWEEN PARALLEL VERSUS ORTHOGONAL PLATING IN THE MANAGEMENT OF DISTAL HUMERAL FRACTURES (AO TYPE C)**

Samrat Smrutiranjana SAHOO, Saurabh SINGH, Hemant BANSAL, Pritesh GUPTA (INDIA)

**41731 MANAGEMENT OF NON-UNION OF EXTREMITY LONG BONES USING MODIFIED BONE GRAFTING METHODS WITH SWAN-LIKE SHAPE MEMORY CONNECTOR – REPORT OF 143 CASES**

Shuogui XU, Panfeng WANG, Chuncai ZHANG, Yuntong ZHANG, Panyu ZHOU (CHINA)

**40860 TO STUDY MANAGEMENT OF FIFTY ADULT PATIENTS WITH INTRA-ARTICULAR LOWER END RADIUS FRACTURES TREATED WITH DIFFERENT MODALITIES OF SURGICAL MANAGEMENT**

Vishal MANDLEWALA, Ashish SURYAWANSHI (INDIA)

- 40705 MANAGEMENT OF RADIAL NERVE PALSY FOLLOWING OPEN REDUCTION AND INTERNAL FIXATION OF HUMERAL SHAFT FRACTURES**  
Xianyou ZHENG, Fu KAI, Yimin CHAI, Bingfang ZENG (CHINA)
- 39380 EFFECTS OF THE ALTERATION OF EARLY IMMUNE FUNCTION FOLLOWING POST-TRAUMATIC SPLENECTOMY ON FRACTURE HEALING**  
Yang WANG, Jianjun LI (CHINA)
- 42429 CLINICAL OUTCOMES OF ALLOGRAFT WITH LOCKING COMPRESSION PLATES FOR ELDERLY FOUR-PART PROXIMAL HUMERUS FRACTURES**  
Hua CHEN, Peifu TANG, Ming HAO, Wei ZHANG, Xiangdang LIANG, Qun ZHANG, Yizhu GUO, Lihai ZHANG (CHINA)
- 42428 HEMIARTHROPLASTY FOR COMPLEX PROXIMAL HUMERAL FRACTURE WITH A MEAN 5 YEARS' FOLLOW-UP**  
Xinghuo ZHANG (CHINA)
- 42427 A USEFUL SURGICAL STRATEGY FOR PROXIMAL TIBIAL FRACTURES (AO/OTA TYPE 41-C) WITH DIAPHYSEAL INVOLVEMENT**  
Dankai WU (CHINA)
- 42426 THE VALUE OF TIP-APEX DISTANCE IN EVALUATING THE CLINICAL APPLICATION OF BIAxIAL SYSTEM FOR PROXIMAL FEMORAL FRACTURES**  
Jia ZHANG, Qiang LI, Sheng ZHU (CHINA)
- 42425 ANTEGRADE INTRAMEDULLARY NAILING: ANOTHER CHOICE FOR DISTAL FEMORAL FRACTURE**  
Jianhong WU, Jiandong WANG, Qiugen WANG (CHINA)

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**  
Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

**Press Conference for Osteoporotic Fractures**

**EXPERT OPINIONS ON THE TREATMENT OF OSTEOPOROTIC FRACTURES IN CHINA**  
Guixing QIU (CHINA)

13:30 - 14:00

**Break**

14:00 - 15:30

**Short Oral Presentations – Research I**

*Moderators:*  
Xuan HUANG (CHINA), An QIN (CHINA)



- 41787 A NOVEL GOAT MODEL OF ACUTE CERVICAL SPINAL CORD INJURY UTILISING A PERCUTANEOUS EPIDURAL BALLOON CATHETER: METHOD FEASIBILITY AND PRELIMINARY OBSERVATIONS**  
Xuan HUANG, Hongxing SHEN (CHINA)
- 41180 CT MORPHOMETRIC ANALYSIS TO DETERMINE A RELIABLE GUIDE IN DIRECTING THE SAGITTAL ANGLE OF PEDICLE SCREWS IN SUBAXIAL CERVICAL SPINE**  
Jun YAN, Ka LI, Yanping ZHENG, Jianmin LI (CHINA)
- 41131 USEFULNESS AND TROUBLE OF MINIMUM OPEN (1 INCH) OPEN-DOOR LAMINOPLASTY**  
Kanji SASAKI (JAPAN)
- 41088 ASSOCIATION BETWEEN RS4753426 POLYMORPHISM IN MTNR1B GENE AND ADOLESCENT IDIOPATHIC SCOLIOSIS: A META-ANALYSIS OF 7,072 PARTICIPANTS**  
Kai ZHOU, Zongke ZHOU (CHINA)
- 40094 EXPERIMENTAL STUDY OF TISSUE ENGINEERING TENDON**  
Zhou XIANG (CHINA)
- 40093 CLINICAL APPLICATION OF BIO-DERIVED BONE TRANSPLANTATION WITH TISSUE ENGINEERING TECHNIQUE: 7-YEAR FOLLOW-UP**  
Kun PENG, Zhou XIANG (CHINA)
- 41715 IN VITRO PROLIFERATION AND CHONDROGENESIS OF RABBIT BONE MARROW MESENCHYMAL STEM CELLS INDUCED BY BMP-7-LOADED PLGA MICROSPHERES**  
Jialei CHEN (CHINA)
- 41115 THE STUDY OF SECURITY AND BIOCOMPATIBILITY OF INJECTABLE ABSORBABLE POLY AMINO ACID / CALCIUM SULFATE (PAA/CS) COMPOSITES IN VIVO**  
Chang ZOU (CHINA)
- 41075 COMPARING STUDY OF THE HISTOPATHOLOGICAL FINDS AND LEVEL OF RELATED FACTORS BETWEEN GLUCOCORTICOID-INDUCED OSTEO NECROSIS OF FEMORAL HEAD AND HIP OSTEOARTHRITIS**  
Xiaowei XIE, Fuxing PEI (CHINA)
- 41067 THROMBOPROPHYLAXIS WITH RIVAROXABAN AFTER TOTAL JOINT REPLACEMENT INCREASES THE INCIDENCE OF WOUND LEAKAGE**  
Yingchun CAI, Fuxing PEI (CHINA)
- 41149 THE PROGNOSTIC VALUE OF HER-2 EXPRESSION IN OSTEOSARCOMA PATIENTS: A SYSTEMATIC REVIEW AND META-ANALYSIS**  
Jian TU, Zhiyong LI, Jingnan SHEN (CHINA)
- 42411 RATIONAL REGIMEN OF CRYOTHERAPY IN TOTAL KNEE ARTHROPLASTY**  
Chu WANG, Wenwei QIAN (CHINA)

- 42410 MIR-26A REGULATES PGE2 PRODUCTION IN LIPOPOLYSACCHARIDE INDUCED THP-1 MACROPHAGE CELLS BY INHIBITING COX-2**  
Jiaquan LUO, Tin YU (CHINA)
- 42409 EXPERIMENTAL STUDY OF SURVIVAL OF PEDICLED PERFORATOR FLAP WITH FLOW-THROUGH AND FLOW-END BLOOD SUPPLY**  
Yang WANG, Yong HU, Zhengxun LI, Zheng HUANG, Songhua CAO, Wenpeng XU, Weiyang GAO (CHINA)
- 42447 INTEGRATIVE ANALYSIS OF GWASS, HUMAN PROTEIN INTERACTION AND GENE EXPRESSION IDENTIFIED GENE MODULES ASSOCIATED WITH BMD**  
Hongwen DENG (CHINA)

15:30 - 16:00 **Break**

16:00 - 17:30 **Short Oral Presentations – Hand**

*Moderators:*

Mohamed KOTB (EGYPT), Yongqing XU (CHINA)

- 41736 HAS THE MODE OF OPERATIVE TREATMENT AN EFFECT ON THE INCIDENCE OF CRPS IN DISTAL RADIUS FRACTURES?**  
Evelyn MURPHY, Derek CAWLEY, Michael O'SULLIVAN (IRELAND)
- 41933 CLINICAL POSSIBILITIES OF THE METHOD OF POLYFUNCTIONAL COMPRESSION-DISTRACTION OSTEOSYNTHESIS IN HAND SURGERY**  
Guseynali ISMAYLOV (RUSSIA)
- 40119 MINI-EXTERNAL FIXATOR VS. BUTTERS PLATE FOR TREATMENT OF LOWER END RADUIS**  
Mohamed ELDEEB (EGYPT)
- 39522 TOPOGRAPHIC MATCHING OF DISTAL RADIUS AND PROXIMAL FIBULA ARTICULAR SURFACE FOR DISTAL RADIUS OSTEOARTICULAR RECONSTRUCTION**  
Shanlin CHEN, Hailong ZHANG (CHINA)
- 39759 COMPLICATIONS OF DISTAL RADIUS LOCKING PLATES – EXTENSOR TENDON IRRITATION**  
Yen Liang LAI (CHINESE TAIPEI)
- 41803 ARTHROSCOPIC VERSUS OPEN DORSAL WRIST GANGLION EXCISION: A 7 YEARS' RETROSPECTIVE STUDY TO COMPARE THE RATES OF RECURRENCE**  
Altat AHMED, Mohamad HACHEM, Karthik KARUPPAIAH (UNITED KINGDOM)

- 40985 LIMIT OF CONTROLLED WOUND HEALING IN HAND'S LOSS OF SKIN SUBSTANCE MANAGEMENT AFTER SCORPION AND VIPER BITES**  
Amine HAMZA, Chanez AIT ALI (ALGERIA)
- 41862 TUBERCULOSIS OF HAND AND WRIST – OUR SERIES OF 29 PATIENTS**  
Jatin PRAKASH (INDIA)
- 41394 AGE- AND GENDER-RELATED COLLAGEN DISTRIBUTION CHANGES IN TRANSVERSE CARPAL LIGAMENT IN PATIENTS WITH CARPAL TUNNEL SYNDROME (CTS)**  
Koichi SASAKI<sup>1</sup>, Srinath KAMINENI<sup>2</sup>, Anthony SINAI<sup>2</sup>  
<sup>1</sup>(JAPAN), <sup>2</sup>(UNITED STATES)
- 41090 RICE BODY FORMATION OF THE SMALL FINGER IN A NON-TUBERCULOSIS PATIENT: A CASE REPORT**  
Michael SATURNINO (PHILIPPINES)
- 39633 MUTILATING HAND INJURIES: PRINCIPLES AND MANAGEMENT PROTOCOL**  
Mohamed KOTB (EGYPT)
- 41579 DUPUYTREN'S CONTRACTURE, AS A MANIFESTATION OF SYSTEMIC PATHOLOGICAL PROCESS OF CONNECTIVE TISSUE IN PATIENTS WHO HAVE IN THE PAST BEEN EXPOSED TO IONISING RADIATION**  
Sergiy GURYEV, Nataliya ISKRA (UKRAINE)
- 41767 THE USE OF CROSS KIRSCHNER WIRE FIXATION FOR COMMUNUTED PHALANGEAL FRACTURE WITH NAIL LOSS**  
Shen LIU, Wei WANG, Cunyi FAN (CHINA)



**Friday, 18 September**

**Hall 15 Yunfu**

08:00 - 10:30

**Symposium – Trauma: Cross-Strait I (Chinese Programme)**

08:00 - 08:30

*Presidents:*

Bingfang ZENG, Manyi WANG (CHINA)

*Moderator:*

Peifu TANG (CHINA)

**WELCOME SPEECH**

Manyi WANG, Peiyuan LEE (CHINA)

08:30 - 09:30     **Session 1 – LOCKING PLATE: MISCONCEPTION AND RECONSIDERATION**

*Moderators:*

Yingze ZHANG, Changqing ZHANG, Kuichou HUANG, Iming JOU (CHINA)

**REVIEW**

Peiyuan LEE (CHINA)

**CASE DISCUSSION I: COMPLICATIONS**

Yihwen TARNG (CHINA)

**CASE DISCUSSION II: COMPLICATIONS**

Yimin CHAI (CHINA)

*Discussion Penalists:*

Yichin FONG, Honlok LO, Hungchang CHEN, Pochun CHANG, Chihhong YANG, Chuijia FARN, Chihiting CHENG, Tingkuo YAO, Nanhsun YIN, Pinhao HUANG, Yinchih FUN, Zhenqi DING, Pengcheng WANG, Yuehua SUN, Fang JI, Guohui LIU, Guangyao LIU, Kejian WU, Lihai ZHANG, Bin YU, Kainan LI, Zhong CHEN, Kun ZHANG, Peng LIN, Baoqing YU, Zhiyong HOU, Liqiang GU, Xiaoshan GUO (CHINA)

09:30 - 10:30     **Session 2 – QUESTIONS AND ANSWERS OF PROXIMAL HUMERAL COMMINUTED FRACTURE**

*Moderators:*

Bingfang ZENG, Xinlong MA, Hungmaan LEE, Jinn LIN (CHINA)

**REVIEW**

Baoguo JIANG (CHINA)

**CASE DISCUSSION I: ORIF**

Yingchao CHOU (CHINA)

**CASE DISCUSSION II: REVERSE SHOULDER ARTHROPLASTY**

Yi LU (CHINA)

*Discussion Penalists:*

Chunkuan LU, Chunghsun CHANG, Chiehszu YANG, Chihuan LI, Yungcheng CHIU, Liwei HUNG, Tzungshen HUNG, Kaoshang SHIH, Chengpu HSIEH, Siuning TSANG, Yenliang LAI, Lei WANG, Qiugen WANG, Gang WANG, Aiguo WANG, Zhongguo FU, Zhenggang BI, Aimin CHEN, Shou ZHANG, Baozhong ZHANG, Yakui ZHANG, Hua CHEN, Hua LU, Junlin ZHOU, Dongsheng ZHOU, Zhi YUAN, Fuguo HUANG, Qingwei LIANG, Jianhua HUANG (CHINA)

10:30 - 10:45     **Break**

10:45 - 12:00

**Symposium – Trauma: Cross-Strait II (Chinese Programme)**

**Session 3 – THE TRAPS AND MISUNDERSTANDINGS OF COMPLEX FRACTURES OF TIBIAL PLATEAU**

*Moderators:*

Guoxian PEI, Fan LIU, Wenling YEH, Jianchih CHEN (CHINA)

**REVIEW**

Peifu TANG (CHINA)

**CLASSIFICATION AND MECHANISM**

Fang ZHOU (CHINA)

**MECHANISM AND FIXATION**

Xin TANG (CHINA)

**FIXATION AND APPROACHES**

Chihhui CHEN (CHINA)

*Discussion Panelists:*

Weihsun WANG, Chiahung CHU, Jianming CHEN, Yuchih CHEN, Chiachi TU, Yusheng YANG, Yatyin LAW, Chisheng CHIEN, Yucheng PEI, Tawei TAI, Deshui YU, Dong WANG, Baojun WANG, Zhi LIU, Yuqiang SUN, Dahui SUN, Xiaodong CHEN, Yunfeng CHEN, Jun YANG, Dianying ZHANG, Bosong ZHANG, Zhou XIANG, Yongqing XU, Yanfei JIA, Xiangdang LIANG, Xianhua CAI, Zhijun PAN (CHINA)

12:00 - 12:30

**Plenary Lecture – Emily Chan (in Hall 1 Lingnan)**

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

**Industry-Sponsored Symposium**

13:30 - 15:05

**AO Trauma China Symposium – Upper Limbs (Chinese Programme)**

13:30 - 13:35

**WELCOME SPEECH**

Manyi WANG (CHINA)

13:35 - 15:05

*Moderator:*

Peifu TANG (CHINA)

**REDUCTION EVALUATION AND TECHNICAL APPLICATION OF PROXIMAL HUMERAL FRACTURES**

Zhongguo FU (CHINA)

**DISTAL RADIUS: THE NEED OF THE DAY**

Fan LIU (CHINA)

**FOCUS ON THE COMPLICATIONS OF PROXIMAL HUMERAL FRACTURES**

Lei WANG (CHINA)

**PROBLEMS AND STRATEGIES OF FRACTURE AND DISLOCATION OF ELBOW JOINT**

Peifu TANG (CHINA)

**REVELATION OF THE FAILURE OF FRACTURE TREATMENT OR ANATOMICAL OBSERVATION OF THE DISTAL HUMERUS APPROACH**

Baoqing YU (CHINA)

**PROBLEMS AND STRATEGIES OF SHOULDER JOINT INJURY**

Yi LU (CHINA)

15:05 - 15:20 **Break**

15:20 - 17:35

***AO Trauma China Symposium – Lower Limbs (Chinese Programme)***

*Moderator:*

Bingfang ZENG (CHINA)

**SELECTION OF INTERNAL FIXATION FOR FEMORAL NECK FRACTURES**

Zhijun PAN (CHINA)

**APPLICATION OF ILIAC PLATE IN THE SURGICAL OPERATION OF COMPLEX ACETABULAR FRACTURES**

Zhong CHEN (CHINA)

**SELECTION OF INTERNAL FIXATION FOR POSTERIOR ACETABULAR FRACTURES**

Gang WANG (CHINA)

**MINIMALLY INVASIVE TREATMENT OF CALCANEAL FRACTURES**

Fang ZHOU (CHINA)

**DIAGNOSIS AND TREATMENT OF NON-UNION AFTER INTRAMEDULLARY NAILING FIXATION**

Kun ZHANG (CHINA)

**LOGSPLITTER INJURY**

Xin TANG (CHINA)

**INTERNAL FIXATION OF FEMORAL INTERTROCHANTERIC FRACTURES:  
CLINICAL PROBLEMS AND COUNTERMEASURES**

Fang JI (CHINA)

**FRACTURE NON-UNION AND INTERNAL FIXATION FAILURE**

Jie WEI (CHINA)

**SURGICAL TREATMENT OF DISLOCATED TIBIAL PLATEAU FRACTURE**

Xiangdang LIANG (CHINA)



**Friday, 18 September**

**Hall 16 Hongmian**

12:00 - 12:30

*Plenary Lecture – Emily Chan (in Hall 1 Lingnan)*

**UPDATES AND CHALLENGES TOWARDS THE DELIVERY OF  
HUMANITARIAN MEDICINE (BY CLINICIANS) IN RESOURCES DEFICIENT  
SETTINGS IN THE 21ST CENTURY**

Emily CHAN (HONG KONG, CHINA)

12:30 - 13:30

*Industry-Sponsored Symposium*