

Saturday, 19 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	Symposium Trauma Polytrauma Page 194	Free Papers Hip Dysplasia Osteotomy Page 196	Instructional Course Sports Medicine Meet the Experts - Anterior Cruciate Ligament Page 200	Instructional Course Spine Failed Back Syndrome Page 203	Free Papers Research Clinical & Miscellaneous Page 206	Symposium Leadership & Management Page 210	Free Papers Developing World Page 214	Free Papers Trauma Femur Proximal & Shaft Page 216
10:00-10:30	Break	Break	Break	Break	Break	Break	Break	Break
10:30-12:00	Symposium Trauma Spine Injuries Page 194	Free Papers Hip Total Hip Arthroplasty & Dual Mobility Cup Page 197	Free Papers Sports Medicine Knee Arthroscopy - Anterior Cruciate Ligament Page 200	Free Papers Spine Minimally Invasive Page 203	Free Papers Research Tissue Engineering Page 207	Free Papers Tumours I Page 211	APOA Symposium Page 215	Free Papers Trauma Proximal Femur Page 217
12:00-12:30	Plenary Lecture (in Hall 1 Lingnan) – Wei GUO (CHINA) ONE STAGE POSTERIOR TOTAL SACRECTOMY							
12:30-14:00	Break	Break	SICOT General Assembly	Break	Break	Break	Break	Break
14:00-15:30	Symposium Shoulder & Elbow Anterior Shoulder Instability Page 195	Free Papers Hip Surgical Approach of Bilateral Total Hip Prosthesis Page 198	Symposium Sports Medicine What's New in Sports Medicine - What's Hot & What's Not Page 201	Symposium Perioperative Management of Pain Page 204	Free Papers Research Nerves & Tendons Page 208	Free Papers Tumours II Page 212	Free Papers Conservative Treatment Page 215	Free Papers Trauma Miscellaneous Page 219
15:30-16:00	Break	Break	Break	Break	Break	Break	Break	Break
16:00-17:30	Symposium Shoulder & Elbow Reverse Shoulder Replacement Page 195	Free Papers Hip Complications & Miscellaneous Page 199	Free Papers Sports Medicine Knee Arthroscopy - Meniscus Page 202	Free Papers Hand II Page 205	Free Papers Research Stem Cells Page 209	Free Papers Tumours III Page 213		Free Papers Trauma Distal Femur & Knee Page 220
17:30-18:30			Closing Ceremony					

Hall 9 Jiangmen	Hall 10 Jieyang	Hall 11 Maoming	Hall 12 Shenzhen	Hall 13 Shantou	Hall 14 Qingyuan	Hall 15 Yunfu
	<i>Free Papers</i> Foot & Ankle Trauma I Page 224	<i>Free Papers</i> Trauma Upper Limb II Page 228	<i>Free Papers</i> Spine Degenerative Page 232	<i>Short Oral</i> <i>Presentations</i> Trauma - Pelvis & Miscella- neous Page 236	<i>Short Oral</i> <i>Presentations</i> Tumours Page 242	<i>Short Oral</i> <i>Presentations</i> Spinal Fracture & Infection Page 248
Break	Break	Break	Break	Break	Break	Break
<i>Free Papers</i> Knee Total Knee Arthroplasty - Infection & Revision Page 221	<i>Free Papers</i> Foot & Ankle Trauma II Page 225	<i>Free Papers</i> Trauma Upper Limb III Page 229	<i>Free Papers</i> Spine Miscella- neous Page 233	<i>Short Oral</i> <i>Presentations</i> Research II Page 238	<i>Short Oral</i> <i>Presentations</i> Minimally Invasive Surgery & Spine I Page 243	<i>Short Oral</i> <i>Presentations</i> Knee Page 249
Plenary Lecture (in Hall 1 Lingnan) – Wei GUO (CHINA) ONE STAGE POSTERIOR TOTAL SACRECTOMY						
Break	Break	Break	Break	Break	Break	Break
<i>Free Papers</i> Knee Total Knee Arthroplasty Page 222	<i>Free Papers</i> Foot & Ankle Miscella- neous Page 226	<i>Symposium</i> Trauma Road Trauma Page 230	<i>Free Papers</i> Spine Lumbar Spine I Page 234	<i>Short Oral</i> <i>Presentations</i> Research III Page 239	<i>Short Oral</i> <i>Presentations</i> Miscella- neous Page 245	<i>Short Oral</i> <i>Presentations</i> Minimally Invasive Surgery & Spine II Page 251
Break	Break	Break	Break	Break	Break	Break
<i>Free Papers</i> Knee Arthroplasty & Miscella- neous Page 223	<i>Free Papers</i> Foot & Ankle Deformities & Trauma Page 227	<i>Symposium</i> Orthopaedics of Disasters & Catastrophes Page 231	<i>Free Papers</i> Spine Lumbar Spine II Page 235	<i>Short Oral</i> <i>Presentations</i> Research IV Page 240	<i>Short Oral</i> <i>Presentations</i> Arthroscopy & Sports Medicine III Page 246	<i>Short Oral</i> <i>Presentations</i> Cervical Spine & Scoliosis Page 252



Saturday, 19 September

Hall 1 Lingnan

08:30 - 10:00

Symposium – Trauma: Polytrauma

Moderators:

Hans-Christoph PAPE (GERMANY), Gershon VOLPIN (ISRAEL)

INITIAL TREATMENT OF POLYTRAUMATISED PATIENT AT THE SITE OF INJURY

Roman PFEIFER (GERMANY)

THE OPTIMAL PATIENT FOR EARLY TOTAL CARE

James WADDELL (CANADA)

WHEN DO I PERFORM DCO?

Gershon VOLPIN (ISRAEL)

SAFE DEFINITIVE SURGERY FOR DELAYED PRESENTATION BASED ON PHYSIOLOGY

Hans-Christoph PAPE (GERMANY)

POLYTRAUMA – THE TIME OF SURGERY

Vilmos VECSEI (AUSTRIA)

DAMAGE CONTROL OF MANGLED LIMBS

Reinhard SCHNETTLER (GERMANY)

DISCUSSION

10:00 - 10:30

Break

10:30 - 12:00

Symposium – Trauma: Spine Injuries

Moderators:

Thami BENZAKOUR (MOROCCO), Cody BÜNGER (DENMARK)

ODONTOID FRACTURES

Shanmuganathan RAJASEKARAN (INDIA)

MANAGEMENT OF CERVICAL SPINE FRACTURES

Jordan SAVESKI (MACEDONIA)

FAILURES OF OPERATIVE TREATMENT IN THE CERVICAL SPINE

Vilmos VECSEI (AUSTRIA)

POSTERIOR FIXATION OF THORACOLUMBAR FRACTURES

Thami BENZAKOUR (MOROCCO)

SURGICAL TREATMENT OF THORACOLUMBAR FRACTURES

Cody BÜNGER (DENMARK)

MANAGEMENT OF SPINO-PELVIC DISSOCIATION

Peter BIBERTHALER (GERMANY)

SPINE INJURIES IN UNSTABLE POLYTRAUMA PATIENTS

Roman PFEIFER (GERMANY)

DISCUSSION

12:00 - 12:30

Plenary Lecture – Wei Guo

ONE STAGE POSTERIOR TOTAL SACRECTOMY

Wei GUO (CHINA)

12:30 - 14:00

Break

14:00 - 15:30

Symposium – Shoulder & Elbow: Anterior Shoulder Instability

Moderators:

Hatem SAID (EGYPT), Yiming ZHU (CHINA)

TIPS & TRICKS IN BANKART REPAIR

Jianhai CHEN (CHINA)

TECHNIQUE: REMPLISSAGE

Peter YAU (HONG KONG, CHINA)

MANAGING BONE DEFECTS

Yiming ZHU (CHINA)

TECHNIQUE: LATARJET PROCEDURE

Hatem SAID (EGYPT)

CASE PRESENTATIONS

15:30 - 16:00

Break

16:00 - 17:30

Symposium – Shoulder & Elbow: Reverse Shoulder Replacement

Moderators:

José Sérgio FRANCO (BRAZIL), Marius SCARLAT (FRANCE)

INDICATIONS OF REVERSE PROSTHESIS

Zhongguo FU (CHINA)

REVERSE SHOULDER ARTHROPLASTY FOR THE TREATMENT OF ACUTE PROXIMAL HUMERAL FRACTURES

Chunyan JIANG (CHINA)

RSA USING THE SUPERIOR APPROACH

Marius SCARLAT (FRANCE)

COMPLICATIONS OF RSA

Ahmed KANDIL (EGYPT)

CASE PRESENTATIONS

Marius SCARLAT (FRANCE)



Saturday, 19 September

Hall 2 Guangdong Grand

08:30 - 10:00

Free Papers – Hip: Dysplasia Osteotomy

Moderators:

Qi LI (CHINA), Mikhail ZIMLITSKI (GEORGIA)

- 42294 BIOMECHANICAL ANALYSIS AND CLINICAL OUTCOME OF ECCENTRIC ROTATIONAL ACETABULAR OSTEOTOMY**
Ziqing LI (CHINA)
- 41387 TRIPLE PELVIC OSTEOTOMY IN THE TREATMENT OF DYSPLASTIC COXARTHROSIS IN ADULTS**
Pavel VOLOTOVSKI, Ivan MINAKOUSKY, Aleh SAKALOUSKI, Darya SAKALOUSKAYA (BELARUS)
- 39258 PERIACETABULAR OSTEOTOMY UNDER DIRECT VISION**
Khaled EMARA, Ramy DIAB, Khaled GHAFAR (EGYPT)
- 41693 LABRAL TEAR LEADING CAUSE OF OSTEOARTHRITIS OF THE HIP**
Anton PLAKSEYCHUK¹, Pisit LERTWANICH², Akira MAEYAMA³
¹(UNITED STATES), ²(THAILAND), ³(JAPAN)
- 41854 LATE CORRECTION OF NECK DEFORMITY IN HEALED SLIPPED CAPITAL FEMORAL EPIPHYSIS – A RELIABLE OPTION WITH ENCOURAGING CLINICAL OUTCOMES**
Balakumar BALASUBRAMANIAN (UNITED KINGDOM)

- 40642 OUTCOMES OF CURVED INTERTROCHANTERIC VARUS OSTEOTOMY COMBINED WITH BONE IMPACTION GRAFTING FOR OSTEONECROSIS OF THE FEMORAL HEAD**
Yukiharu HASEGAWA, Taisuke SEKI, Takafumi AMANO, Yasuhiko TAKEGAMI (JAPAN)
- 39138 WHY TO PLACE FEMORAL STEM FIRST IN SURGICAL MANAGEMENT OF CONGENITAL HIP DYSPLASIA**
Mikhail ZIMLITSKI, Levan NATCHKEBIA, Giorgi LORIA, Giorgi ZIMLITSKI, Gaphrindashvili VAGA (GEORGIA)
- 42320 GENOME-WIDE COPY NUMBER VARIATION AND COPY-NEUTRAL LOSS OF HETEROZYGOSITY ANALYSES IDENTIFIED NOVEL GENES IN LEGG-CALVE-PERTHES DISEASE**
Renhao ZE (CHINA)

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

10:30 - 12:00 **Free Papers – Hip: Total Hip Arthroplasty & Dual Mobility Cup**

Moderators:

Jean Louis PRUDHON (FRANCE), You WANG (CHINA)

- 41410 DUAL MOBILITY CUPS FOR RECURRENT THA DISLOCATION**
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 40545 PROSPECTIVE STUDY OF A NEW DUAL MOBILITY CUP MODEL: COMPARISON OF SURVEY AND EFFICACY WITHIN DEGENERATIVE CASES AND FRACTURES USING THA WITH DUAL MOBILITY CUP**
André FERREIRA, François STEFFANN, Jean-Louis PRUDHON, Jean-Marc PUCH, Loys DESCAMPS (FRANCE)
- 39529 DUAL MOBILITY CUP (DMC): A SAFE SOLUTION FOR HIGH RISK PATIENTS (HRP) WITH PROXIMAL FEMORAL FRACTURES (PFF)**
Jacques CATON, François STEFFANN, Jean Louis PRUDHON, André FERREIRA, Régis VERDIER, Thierry ASLANIAN (FRANCE)
- 39355 COMPARISON OF CAUSES FOR REVISION BETWEEN DUAL MOBILITY AND STANDARD PRIMARY TOTAL HIP ARTHROPLASTY: PROSPECTIVE MULTI-CENTRE STUDY OF 2,044 IMPLANTS**
Jean Louis PRUDHON (FRANCE)
- 41367 ANALYSIS OF 237 REVISION TOTAL HIP ARTHROPLASTIES IN NORTHEASTERN CHINA**
Bojian LIANG, Wenchuan ZHAO, Changyue GU (CHINA)
- 39145 CEMENTED POLYETHYLENE LINER IN CEMENTLESS METAL CUP: 10-YEAR FOLLOW-UP**
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR (IRAN)

- 39615 OUTCOME OF A MODULAR TAPERED UNCEMENTED TITANIUM FEMORAL STEM IN REVISION HIP ARTHROPLASTY**
Maximilian RUDERT, Christian KONRADs, Maik HOBERG (GERMANY)
- 40171 OUR EXPERIENCE OF THE USE OF REVISION MODULAR SYSTEMS OF ASEPTIC LOOSENING FEMORAL COMPONENTS OF THE ENDOPROSTHESIS**
Tsimafei TALAKO, Andrey VORONOVICH (BELARUS)
- 41636 NON-MODULAR STEMS IN HIP REVISION SURGERY**
Valeriy MURYLEV, Gennadiy KAVALERSKIY, Yaroslav RUKIN, Alexander GUCHKOV, Alexey MUZYCHENKOV (RUSSIA)
- 39514 THE MID-TERM THERAPEUTIC EFFECT OF IMPACTING BONE GRAFT COMBINED WITH TITANIUM MESH CUP IN THE RECONSTRUCTION OF SEGMENTAL BONE DEFECT OF ACETABULUM IN REVISION HIP ARTHROPLASTY**
Weiming LIAO (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Free Papers – Hip: Surgical Approach of Bilateral Total Hip Prosthesis*

Moderators:

Laurent SEDEL (FRANCE), Yonggang ZHOU (CHINA)

- 41941 THE DIRECT ANTERIOR VERSUS OTHER APPROACHES IN PRIMARY TOTAL HIP ARTHROPLASTY: A SYSTEMATIC REVIEW AND META-ANALYSIS**
Fatih KUCUKDURMAZ¹, Mohamed SUKEIK², Javad PARVIZI³
¹(TURKEY), ²(UNITED KINGDOM), ³(UNITED STATES)
- 39225 DOES THE SURGICAL APPROACH INFLUENCE DIGITAL TEMPLATING ACCURACY IN THA USING A SHORT MODULAR STEM?**
Alfonso MANZOTTI, Andrea CORRIERO, Norberto CONFALONIERI (ITALY)
- 41949 PRIMARY TOTAL HIP ARTHROPLASTY USING MODIFIED POSTERIOR APPROACH THROUGH QUADRATUS FEMORIS FLAP OSTEOTOMY: COMPARISON WITH CONVENTIONAL POSTERIOR APPROACH**
Se-Won LEE, Weon-Yoo KIM, Ji-Yoon HA (SOUTH KOREA)
- 39572 SIMULTANEOUS, SEQUENTIAL HIP REPLACEMENTS AT STAVANGER UNIVERSITY HOSPITAL (SUS), NORWAY**
Elin HAARR, Knut HARBOE (NORWAY)

41197 BILATERAL TOTAL HIP ARTHROPLASTY: ONE-STAGE VERSUS TWO-STAGE PROCEDURE

Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)

39290 THA: 108 UNILATERAL VS. 108 BILATERAL IMPLANTATIONS (IN 54 PATIENTS) USING A CEMENTLESS SHORT-STEM – A COMPARISON

Karl Philipp KUTZNER, Dominik PFEIL, Mark Predrag KOVACEVIC, Philipp REHBEIN, Joachim PFEIL (GERMANY)

39515 THE KEY TECHNIQUE IN TOTAL HIP ARTHROPLASTY OF ANKYLOSING SPONDYLITIS AND THE MIDDLE-TERM FOLLOW-UP

Weiming LIAO (CHINA)

15:30 - 16:00 *Break*

16:00 - 17:30 **Free Papers – Hip: Complications & Miscellaneous**

Moderators:

Mingting LIU (CHINA), Pia ZURMUEHLE (SWITZERLAND)

41635 THE PAIN AFTER HIP ARTHROPLASTY

Alexey DENISOV, Viktor SHILNIKOV, Rashid TIKHILOV, Igor SHUBNYAKOV (RUSSIA)

41631 THE STRUCTURE OF HIP ARTHROPLASTY EARLY REVISIONS

Alexey DENISOV, Rashid TIKHILOV, Anton KOVALENKO, Stanislav BILYK, Igor SHUBNYAKOV (RUSSIA)

39226 PROBLEMS, OBSTACLES AND COMPLICATIONS IN MORE THAN 400 NAVIGATED MODULAR SHORT STEMS IN HIP ARTHROPLASTY

Alfonso MANZOTTI, Andrea CORRIERO, Norberto CONFALONIERI (ITALY)

41930 14-YEAR FOLLOW-UP OF THE CEMENTED WEBER STEM: SURVIVORSHIP, CLINICAL AND RADIOLOGICAL RESULTS

Pia ZURMUEHLE, Kerstin SCHNEIDER, Karl GROB, Johannes B. ERHARDT (SWITZERLAND)

41073 THE EFFECT AND BALANCE OF ANTI-COAGULATION SEQUENTIAL ANTI-FIBRINOLYSIS ON VTE AND TRANSFUSION FOLLOWING PRIMARY THA: A LARGE, SINGLE CENTRE, PROSPECTIVE OBSERVATIONAL STUDY OF CONSECUTIVE CASES

Jinwei XIE, Fuxing PEI (CHINA)

41924 WHICH ROUTE OF TRANEXAMIC ACID ADMINISTRATION DECREASES THE POSTOPERATIVE HEMORRHAGE? LOCAL VERSUS INTRAVENOUS ADMINISTRATION

Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)

41077 A PROSPECTIVE STUDY OF DIFFERENT SINGLE-DOSE TRANEXAMIC ACIDS FOR REDUCING BLEEDING AND TRANSFUSIONS IN TOTAL HIP ARTHROPLASTY

Chen YUE, Jing YANG (CHINA)



Saturday, 19 September

Hall 3 Qinghe

08:30 - 10:00

**Instructional Course – Sports Medicine: Meet the Experts
- Anterior Cruciate Ligament**

Moderators:

Stephen ABELOW (UNITED STATES), William RODKEY (UNITED STATES)

ANATOMY AND EMBRYOLOGY OF ACL: REVIEW

Pedro GUILLEN (SPAIN)

SINGLE BUNDLE – AUTOGRAFT HAMSTRING

Pedro GUILLEN (SPAIN)

SINGLE BUNDLE – AUTOGRAFT BTB

Vikas KHANDUJA (UNITED KINGDOM)

DOUBLE BUNDLE

Deepak PATEL (UNITED STATES)

GRAFT SELECTION – AUTOGRAFT

Pedro GUILLEN (SPAIN)

GRAFT SELECTION – ALLOGRAFT

Rene VERDONK (BELGIUM)

REVIEW OF WORLD EXPERIENCE

Stephen ABELOW (UNITED STATES)

10:00 - 10:30

Break

10:30 - 12:00

**Free Papers – Sports Medicine: Knee Arthroscopy - Anterior
Cruciate Ligament**

Moderators:

Stefan MOGOS (ROMANIA), Bo YANG (CHINA)

- 39607 COMPARATIVE STUDY BETWEEN ANATOMIC SINGLE BUNDLE (ASB) AND ANATOMIC DOUBLE BUNDLE (ADB) ANTERIOR CRUCIATE LIGAMENT (ACL) RECONSTRUCTION**

Ahmed GAD, Ahmed REZK, Ahmed AZIZ (EGYPT)

- 42273 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING SEMITENDINOSUS AND GRACILIS TENDONS KNOT AND BONE LOCK-BOLT IMPLANT FIXATION UNDER ARTHROSCOPE: RESULTS AT 10 YEARS' FOLLOW-UP**

Chunbao LI, Yujie LIU (CHINA)

- 40919 OUTCOME OF ACL RECONSTRUCTION BY USING BONE PATELLAR TENDON BONE GRAFT THROUGH MINI-ARTHROTOMY TECHNIQUE**
Irfan MEHBOOB, Zubair KARIM, Muhammad Abdul BASIT (PAKISTAN)
- 41934 THE AUGMENTATION VERSUS THE STANDARD TECHNIQUE FOR THE RECONSTRUCTION OF PARTIAL ANTERIOR CRUCIATE LIGAMENT TEARS**
Stefan MOGOS, Ioan-Cristian STOICA, Nicolae MIHAILIDE, Rudolf VEICHEL, Radu ORFANU, George VISCOPOLEANU (ROMANIA)
- 42129 RELATIONSHIPS BETWEEN STATIC LAXITY AND DYNAMIC KNEE FUNCTION AFTER ACL RECONSTRUCTION**
Yong MA (CHINA)
- 42258 THE CAUSES OF FAILURE OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Chun ZENG, Daozhang CAI, Jianying PAN, Chang ZHAO (CHINA)
- 42272 KNEE STABILITY AND SYNOVIAL FLUID ALTERATIONS IN ALLOGENEIC AND AUTOLOGOUS ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A COMPARATIVE STUDY**
Rui YANG (CHINA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY

Wei GUO (CHINA)

12:30 - 14:00

SICOT General Assembly

14:00 - 15:30

Symposium – Sports Medicine: What's New in Sports Medicine - What's Hot & What's Not!

Moderators:

Stephen ABELOW (UNITED STATES), Vikas KHANDUJA (UNITED KINGDOM)

ACL

Rene VERDONK (BELGIUM)

MENISCUS

William G. RODKEY (UNITED STATES)

CARTILAGE

Pedro GUILLEN (SPAIN)

PRP/ORTHOBIOLIGICS

Stephen P. ABELOW (UNITED STATES)

DISCUSSION

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

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

Moderators:

Deepak PATEL (UNITED STATES), Yadong ZHANG (CHINA)

41675 DOES DISCOID MEDIAL MENISCUS AFFECT THE LOWER LIMB ALIGNMENT?

Ahmed WALY (EGYPT)

42275 EARLY FOLLOW-UP RESULTS OF ALL INSIDE SUTURE REPAIR OF BUCKET-HANDLE MENISCUS TEARS

Hong WANG (CHINA)

40045 ARTHROSCOPIC ALL INSIDE MENISCAL REPAIR VERSUS INSIDE OUT REPAIR: A COMPARATIVE STUDY

Amr RASHWAN, Ahmed GALAL, Alaa Eldin SOLIMAN (EGYPT)

42276 RESULTS OF FAST-FIX ALL INSIDE REPAIR FOR THE POSTERIOR LATERAL MENISCAL ROOT TEAR

Bin SONG (CHINA)

42277 ARTHROSCOPIC MANAGEMENT ON THE UNSTABLE INFERIOR LEAF OF THE LATERAL MENISCUS ANTERIOR HORN AND ASSOCIATED CYSTS THROUGH A DIRECT INFRA-MENISCAL PORTAL: TECHNIQUE NOTE AND CLINICAL OUTCOME

Dongyang CHEN (CHINA)

41380 ARTHROSCOPIC TREATMENT OF THE POSTERIOR ROOT TEARS OF THE LATERAL MENISCUS

Ning LIU, Yuqiang LIU, Xupeng WANG, Bin HU (CHINA)

39499 THE TREATMENT OF MENISCAL INJURIES USING ARTIFICIAL MENISCAL IMPLANT ACTIFIT

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

42274 THE CLINICAL SIGNIFICANCE OF ARTHROSCOPIC AREA-DIVISION OF MENISCUS

Wenhui ZHU (CHINA)

17:30 - 18:30 **Closing Ceremony**



Saturday, 19 September

Hall 4 Foshan

08:30 - 10:00

Instructional Course – Spine: Failed Back Syndrome

Moderators:

Cody BÜNGER (DENMARK), Wei TIAN (CHINA)

ASSESSMENT OF A FAILED BACK PATIENT

Keith LUK (HONG KONG, CHINA)

IMPLANT-RELATED INFECTIONS – CONTROVERSIES AND MANAGEMENT

Kenny KWAN (HONG KONG, CHINA)

THORACOLUMBAR FRACTURE NON-UNIONS – TREATMENT BY KYPHOPLASTY

Huilin YANG (CHINA)

PROXIMAL JUNCTIONAL KYPHOSIS – AVOIDANCE AND TREATMENT

Jianguo ZHANG (CHINA)

SAGITTAL BALANCE IN REVISION SURGERIES

Cody BÜNGER (DENMARK)

10:00 - 10:30

Break

10:30 - 12:00

Free Papers – Spine: Minimally Invasive

Moderators:

Evalina BURGER (UNITED STATES), Zhaoming ZHENG (CHINA)

41659 EXPERIENCE OF USING AN OPTIMISED METHOD OF VERTEBROPLASTY IN PATIENTS WITH OSTEOLYTIC SPINAL LESIONS

Mikalai CHUMAK, Andrei BABKIN, Oleg DULUB, Zinaida YAHORAVA (BELARUS)

40665 ROLE OF EARLY VERTEBROPLASTY IN ALTERING LIFE-THREATENING COMORBIDITY IN THE ELDERLY

Vishal MANDLEWALA, Abhijeet SHROFF (INDIA)

42316 TEMPORARY UNIPEDICLE SCREW REDUCTION IN PERCUTANEOUS KYPHOPLASTY COMPARED TO SIMPLE PERCUTANEOUS KYPHOPLASTY IN OSTEOPOROTIC COMPRESSION VERTEBRAL FRACTURES: A RETROSPECTIVE COMPARATIVE STUDY

Tengjia ZHU (CHINA)

- 42317 COMPARISON OF PERCUTANEOUS VERTEBROPLASTY AND BALLOON KYPHOPLASTY FOR THE TREATMENT OF SINGLE LEVEL VERTEBRAL COMPRESSION FRACTURES: A META-ANALYSIS OF THE LITERATURE**
Zhaoming ZHENG (CHINA)
- 40166 PREDICTING VALUE OF SHORT TAU INVERSION RECOVERY MRI IN EARLY PAINFUL OSTEOPOROTIC VERTEBRAL FRACTURES TREATED BY PERCUTANEOUS KYPHOPLASTY**
Jian WANG (CHINA)
- 40687 MINI-OPEN TRANS-SPATIUM INTERMUSCULAR VERSUS PERCUTANEOUS PEDICLE SCREWS FIXATION ON THORACOLUMBAR MONO-SEGMENTAL VERTEBRAL FRACTURES WITHOUT NEUROLOGICAL DEFICITS**
Wei hu MA, Guoqing LI (CHINA)
- 40424 COMPARATIVE STUDY OF MIS-TLIF AND PLIF IN THE TREATMENT OF LUMBAR SPINAL STENOSIS**
Jixian QIAN (CHINA)
- 41050 NAVIGATION CAN MAKE TLIF LESS INVASIVE**
Yu WANG, Hong LIU, Chunde LI, Yongkai HU (CHINA)
- 41432 PERCUTANEOUS NOVEL TRANSPEDICULAR LAG-SCREW FIXATION FOR HANGMAN'S FRACTURE USING INTRAOPERATIVE, THREE-DIMENSIONAL IMAGE (O-ARM): A PRELIMINARY REPORT**
Weimin JIANG (CHINA)
- 41732 TITANIUM MINI-PLATES PREVENT SPRINGBACK CLOSURE IN SINGLE-DOOR CERVICAL LAMINOPLASTY**
Kin Cheung MAK¹, Hai Qiang WANG², Tarek ELFIKY³, Dino SAMARTZIS¹, Keith LUK¹, Kenneth CHEUNG¹
¹(HONG KONG, CHINA), ²(CHINA), ³(EGYPT)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Symposium – Perioperative Management of Pain*

Moderators:

Ajeya ADHIKARI (UNITED KINGDOM), Richard LANGFORD (UNITED KINGDOM)

INTRODUCTION AND OVERVIEW
Sonia MONGIA (UNITED KINGDOM)

CONTEMPORARY ANAESTHETIC AND ANALGESIC TECHNIQUES IN ORTHOPAEDIC SURGERY

Bernadette RATNAYAKE (UNITED KINGDOM)

NEW PHARMACOLOGICAL APPROACHES IN PERIOPERATIVE PAIN MANAGEMENT

Richard LANGFORD (UNITED KINGDOM)

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

16:00 - 17:30 **Free Papers – Hand II**

Moderators:

Yongqing XU (CHINA), Youlai ZHANG (CHINA)

42312 TWO FOOT FLAPS COMBINED WITH ILIAC GRAFT FOR RECONSTRUCTION OF THE THUMB

Guangliang ZHANG (CHINA)

42311 FINGER RECONSTRUCTION BY TOE-TO-HAND TRANSPLANTATION COMBINED WITH CALLUS DISTRACTION

Youlai ZHANG (CHINA)

42310 FREE DIGITAL ARTERY PERFORATOR FLAP TRANSFER FOR RECONSTRUCTION OF FINGERTIP

Lei ZHU (CHINA)

42308 MICROSURGICAL REPAIR OF DISTAL INDEX FINGER DEFECTION

Jianwen LIAO (CHINA)

42309 PRESERVING THE RECIPIENT ARTERY AND VEIN: END-TO-SIDE MICROVASCULAR VESSEL ANASTOMOSIS FOR PERFORATOR FLAP IN HAND SOFT TISSUE RECONSTRUCTION

Xueyuan LI (CHINA)

42313 THE TREATMENT OF NEAR PHALANX BONE FRACTURE WITH CLOSED REDUCTION UNDER MINOR EXTERNAL FIXATIONS

Jun HU (CHINA)

42307 DORSAL TANGENTIAL FLUOROSCOPIC VIEW DETECTING DORSAL SCREWS PENETRATING INTRAOPERATIVELY IN THE VOLAR PLATING OF DISTAL FRACTURES

Haifeng LI (CHINA)

42285 EVALUATION OF DRUJ STABILITY USING ULTRASOUND IN THE TREATMENT OF GALEAZZI FRACTURE

Yao XU (CHINA)



Saturday, 19 September

Hall 5 Zhaoqing

08:30 - 10:00

Free Papers – Research: Clinical & Miscellaneous

Moderators:

Shiqing FENG (CHINA), Maximilian KASPAREK (AUSTRIA)

- 40943 THE PREVALENCE AND FACTORS ASSOCIATED WITH NECK, SHOULDER AND LOW BACK PAINS AMONG MEDICAL STUDENTS AT UNIVERSITY HOSPITALS**
Abdulrahman ALGARNI (SAUDI ARABIA)
- 40902 UTILISING WEIGHT-BEARING CT TO EVALUATE SYNDESMOTIC RECONSTRUCTIONS**
Boyko GUEORGUIEV¹, Jennifer HAGEN¹, Geoff RICHARDS¹, Mark LENZ², Paul SIMONS², Kajetan KLOS²
¹(SWITZERLAND), ²(GERMANY)
- 39530 WEAR AND DUAL MOBILITY CUP (DMC): EXPERIMENTAL STUDY AND CLINICAL RESULTS**
Jacques Henri CATON, André FERREIRA, Jean Louis PRUDHON, Thierry ASLANIAN (FRANCE)
- 39630 RECIPROCAL ACTIVATION OF PLATELETS AND CD4+ TREGS FOLLOWING TRAUMA**
Marc HANSCHEN, Christian BERGMANN, Friederike HEFELE, Marina UNGER, Stefan HUBER-WAGNER, Peter BIBERTHALER, Martijn VAN GRIENSVEN (GERMANY)
- 40035 PREDICTING MEDICAL COMPLICATIONS IN SPINE SURGERY TO ENHANCE PATIENT SAFETY**
Maximilian KASPAREK, Petra KREPLER, Anna RIENMÜLLER, Reinhard WINDHAGER, Grohs JOSEF (AUSTRIA)
- 41222 A STUDY EVALUATING THE AUTOLOGOUS PLATELET RICH PLASMA (PRP) AS A MONOTHERAPY IN THE MANAGEMENT OF INFECTED COMPLEX WOUNDS**
Sandeep SHRIVASTAVA, Pradeep SINGH, Shounak TAYDE (INDIA)
- 41603 EFFECT OF STORAGE TEMPERATURE ON POLYMETHYL METHACRYLATE (PMMA) BONE CEMENT POLYMERISATION IN JOINT REPLACEMENT SURGERY**
Bryan Thean Howe KOH, Jonathan Jiong Hao TAN, Amit Kumarsing RAMRUTTUN, Wilson WANG (SINGAPORE)

41174 THE INHIBITORY EFFECT OF MAGNESIUM DEGRADATION PRODUCTS ON OSTEOCLAST FORMATION AND BONE RESORPTION VIA BLOCKING CA2+/CN/NFATC1 SIGNALING PATHWAY

Zanjin ZHAI, Xinhua QU, Haowei LI, Xuqiang LIU, Zhengxiao OUYANG, Guangwang LIU, Qiming FAN, Tingting TANG, An QIN, Xiaodong CHEN, Kerong DAI (CHINA)

40929 COMPARISON OF A LOCAL ORTHOPAEDIC RESIDENCY TRAINING PROGRAM WITH A NORTH AMERICAN PROGRAM

Abdulrahman ALGARNI (SAUDI ARABIA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Free Papers – Research: Tissue Engineering*

Moderators:

Lianfu DENG (CHINA), Xinyun ZHAI (HONG KONG, CHINA)

40563 NANOFIBROUS HEPARIN-CONJUGATED GELATIN SCAFFOLDS WITH CONTROLLED RHBMP-2 RELEASE FOR ENHANCED BONE REGENERATION
Chen DING, Hao LIU (CHINA)

40025 THE USE OF COMPOSITE MATERIAL COLLAPAN-S (CONTAINING SILVER NANOPARTICLES, COLLAGEN AND NANOSTRUCTURED SYNTHETIC HYDROXYAPATITE) FOR REPLACEMENT OF BONE DEFECTS AND ACTIVATION OF REPARATIVE OSTEOGENESIS
Gennady BERCHENKO (RUSSIA)

40878 BMP-7 COULD INDUCE THE CHONDROGENIC DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELL ON TRICALCIUM PHOSPHATE-COLLAGEN SCAFFOLDS
Aishan HE (CHINA)

40695 USE OF BIOREACTORS IN AUTOLOGOUS CHONDROCYTE CULTURE OVER THREE-DIMENSIONAL BIODEGRADABLE SCAFFOLDS TO REPAIR ARTIFICIALLY CREATED CHONDRAL DEFECTS IN RABBIT
Kumar PRITESH, Amit RASTOGI, Pradeep SRIVASTAVA, Gyanendra JHA (INDIA)

39832 TISSUE ENGINEERING STRATIFIED SCAFFOLDS FOR ARTICULAR CARTILAGE AND SUBCHONDRAL BONE DEFECTS REPAIR
Ming LIU (CHINA)

41253 SYNTHESIS OF A NOVEL CLAY-BASED NANOCOMPOSITE HYDROGEL WITH SUITABLE MECHANICAL PROPERTIES AND ITS APPLICATIONS IN TISSUE ENGINEERING

Xinyun ZHAI¹, William Weijia LU¹, Wenguang LIU²
¹(HONG KONG, CHINA), ²(CHINA)

- 41520 BIOCOMPATIBILITY OF POLYVINYL ALCOHOL/NANO-HYDROXYAPATITE+ POLYAMIDE66 COMPOSITE MATERIAL IN REPAIRING ARTICULAR CARTILAGE IN VIVO**
Yang LIU, Tian-Fu YANG (CHINA)
- 40152 OSTEOGENIC ACTIVITY IN VITRO AND VIVO OF THE NOVEL VANCOMYCIN-LOADED BONE-LIKE HYDROXYAPATITE/POLYAMINO ACID SCAFFOLD**
Zhidong CAO, Dianming JIANG (CHINA)
- 40325 CONTROLLED RELEASE OF RHBMP-2 AND VANCOMYCIN FROM NHAC/ α -CSH SCAFFOLD FOR TREATMENT OF CHRONIC OSTEOMYELITIS**
Kezheng MAO (CHINA)
- 42340 BILAYERED ECM/HYDROXYAPATITE SCAFFOLD WITH LOW PERMEABILITY FOR OSTEOCHONDRAL INTERFACE IN SITU REGENERATION**
Haoye MENG (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Free Papers – Research: Nerves & Tendons*

Moderators:
Jiasong GUO (CHINA), Hamish SIMPSON (UNITED KINGDOM)

- 41783 TISSUE ENGINEERED 3-DIMENSIONAL BIOIMPLANT FOR TREATMENT OF LARGE TENDON DEFECTS**
Abdolhamid MEIMANDI PARIZI, Ahmad ORYAN, Ali MOSHIRI (IRAN)
- 41512 STEPWISE DIFFERENTIATION OF HIPSCS FOR TENOGENESIS BY CHANGE OF PHYSICAL SUBSTRATE**
Xiao CHEN, Can ZHANG (CHINA)
- 42337 FUNCTIONAL EVALUATION ON THE MODEL OF RADIAL NERVE DEFECT IN PRIMATE**
Xijun HUANG (CHINA)
- 42336 A TRAIL OF THREE-DIMENSIONAL VISUALISATION TECHNIQUE TO OBSERVE INTRANEURAL MICROVESSELS OF SCIATIC NERVES IN SD RATS**
Zhaowei ZHU (CHINA)
- 42335 DENDRITIC CELLS OF SYNOVIUM IN EXPERIMENTAL MODEL OF OSTEOARTHRITIS OF RABBITS**
E. XIAOQIANG (CHINA)

- 42334 THE IMPROVEMENT OF DIFFERENTIATION FROM ADIPOSE DERIVED STEM CELLS TO SCHWANN CELLS THROUGH INTERMITTENT INDUCING**
Yun ZHU (CHINA)
- 41029 SENSORY AND SYMPATHETIC NERVE RELEASE OF NEUROPEPTIDES PLAYS AN IMPORTANT ROLE IN THE RAT FEMUR FRACTURE HEALING PROCESS**
Guolin MENG, Peng TANG, Jian LIU, Chunguang DUAN, Chunmei WANG (CHINA)
- 40452 INTRATHECAL INJECTION OF 3-METHYLADENINE REDUCES NEURONAL DAMAGE AND PROMOTES FUNCTIONAL RECOVERY VIA AUTOPHAGY ATTENUATION IN A RAT MODEL OF SPINAL CORD ISCHEMIA/ REPERFUSION INJURY**
Wei XING, Xiaozhong ZHOU (CHINA)

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

16:00 - 17:30 **Free Papers – Research: Stem Cells**

Moderators:

Xiaochun BAI (CHINA), Fangang MENG (CHINA)

- 39109 AUTOLOGOUS TRANSPLANTATION OF MESENCHYMAL STEM CELLS FOR REGENERATIVE RESTORATION OF ARTICULAR CARTILAGE INJURY (EXPERIMENTAL RESEARCH)**
Dzmitry BUKACH, Alexander BELETSKY, Oleg EISMONT (BELARUS)
- 40993 SYNOVIAL FLUID AS A POTENTIAL NEW SOURCE OF MESENCHYMAL STEM CELLS TO TREAT OSTEOCHONDRAL DEFECTS AND OSTEOARTHRITIS**
Eduardo BRANCO DE SOUSA, Gabriel CORREA DE FARIAS, Maria Eugenia LEITE DUARTE, Diego PINHEIRO AGUIAR, Vivaldo MOURA NETO (BRAZIL)
- 40952 IN VITRO AND IN VIVO GENERATION OF CHONDRAL DIFFERENTIATION OF MESENCHYMAL STEM CELLS IN NOVEL HYALURONATE-COLLAGEN-TRICALCIUM PHOSPHATE SCAFFOLDS FOR KNEE REPAIR**
Fangang MENG (CHINA)
- 42339 CONDITIONED MEDIUM FROM OSTEOBLAST PROMOTES THE PROLIFERATION AND OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELL BY VEGF/HEME OXYGENASE-1 PATHWAY**
Lianfang ZHANG (CHINA)
- 39875 AUTOGENOUS CULTURED GROWTH PLATE CHONDROCYTES TRANSPLANTATION IN TREATMENT OF PHYSEAL INJURY IN RABBITS**
Ryszard TOMASZEWSKI (POLAND)
- 40632 STEM CELLS IN NON-UNION OF FRACTURES**
Satish Chandra GOEL, Kumar V. SENTHIL (INDIA)

- 39678 ISOLATION, CHARACTERISATION AND MULTIPOTENT DIFFERENTIATION OF MESENCHYMAL STEM CELLS DERIVED FROM MENISCAL DEBRIS**
Wei FU (CHINA)
- 39674 BASIC RESEARCH AND CLINICAL APPLICATION OF THE MSCS FROM PERIPHERAL BLOOD FOR ORTHOPAEDIC RESEARCH**
Weili FU (CHINA)
- 42338 COMPARATIVE RESEARCH OF BONE MARROW- AND SYNOVIUM-DERIVED MESENCHYMAL STEM CELLS FROM HUMAN WITH OSTEOARTHRITIS OR RHEUMATOID ARTHRITIS**
Li JIANG (CHINA)



Saturday, 19 September

Hall 6 Yangjiang

08:30 - 10:00

Symposium – Leadership & Management

Moderator:

Mohamed SUKEIK (UNITED KINGDOM)

DEFINING LEADERSHIP AND MANAGEMENT

Mohamed SUKEIK (UNITED KINGDOM)

LEADERSHIP BEHAVIOURS AND TYPES

Mohamed SUKEIK (UNITED KINGDOM)

PERSONALITY TRAITS/PREFERENCES

Mohamed SUKEIK (UNITED KINGDOM)

THE EFFECTIVE TEAM

Mohamed SUKEIK (UNITED KINGDOM)

MANAGING CONFLICT AND ASSERTIVENESS

Mohamed SUKEIK (UNITED KINGDOM)

MANAGING CHANGE

Mohamed SUKEIK (UNITED KINGDOM)

10:00 - 10:30

Break

10:30 - 12:00

Free Papers – Tumours I

Moderators:

M. Mofakhkharul BARI (BANGLADESH), Wei GUO (CHINA)

- 41153 ILIZAROV APPLICATIONS TO BENIGN BONE TUMOURS**
M. Mofakhkharul BARI (BANGLADESH)
- 39889 OUTCOME OF ANEURYSMAL BONE CYSTS TREATED BY EXTENDED CURETTAGE, CRYOSURGERY AND BONE GRAFTING**
Osman Abd Ellah MOHAMED (EGYPT)
- 41137 THE IMPACT OF LONG BONE CHONDROBLASTOMA SURGERY ON THE DEVELOPMENT OF EPIPHYSIS IN TEENAGERS**
Hong DUAN (CHINA)
- 41917 FUNCTIONAL OUTCOME OF ENDOPROSTHETIC RECONSTRUCTION FOR OSTEOSARCOMAS OF THE DISTAL FEMUR**
Jeya Venkatesh PALANISAMY, Rishi Ram POUDEL, Shah Alam KHAN, Shishir RASTOGI (INDIA)
- 41324 LIMB SALVAGE WITH TUMOUR ENDOPROSTHESES FOR MALIGNANT TUMOURS OF THE KNEE**
Yong ZHOU (CHINA)
- 41185 IMPACT ANALYSIS OF FIBULAR HEAD RESECTION FOR TUMOUR TIBIA PROSTHESIS IN LIMB SALVAGE RECONSTRUCTION**
Zhaoming YE (CHINA)
- 40612 RECONSTRUCTION WITH MODULAR HEMIPELVIC ENDOPROSTHESIS AFTER PELVIC TUMOUR RESECTION: A REPORT OF 50 CONSECUTIVE CASES**
Jingnan SHEN, Bo WANG, Xianbiao XIE, Junqiang YIN, Jin WANG, Gang HUANG, Changye ZOU (CHINA)
- 41809 THE ROLE OF AUTOGRAFT AND ALLOGRAFT IN SPINAL COLUMN RECONSTRUCTION AFTER TOTAL EN BLOC RESECTION OF SPINAL TUMOURS**
Yat Wa WONG, Kenny KWAN, Kenneth Man-Chee CHEUNG, Dino SAMARTZIS, Keith LUK (HONG KONG, CHINA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY

Wei GUO (CHINA)

12:30 - 14:00

Break

Moderators:

Dariush GOURAN SAVADKOOHI (IRAN), Xiaohui NIU (CHINA)

- 41721 GIGANT CELL TUMOUR OF BONE IN EXTREMITIES – AN ANALYSIS OF 272 CASES**
Chongqi TU (CHINA)
- 41191 CLINICAL RESEARCH OF BONE CEMENT IMPACT ON THE ARTICULAR CARTILAGE OF THE KNEE AFTER CURETTAGE FOR GCT**
Zhaoming YE (CHINA)
- 40540 TREATMENT OF PRIMARY SARCOMA OF BONE IN THE LOWER LIMB, ENDOPROSTHETIC REPLACEMENT VERSUS BIOLOGICAL RECONSTRUCTION**
Awad Abdel-Moniem A. RAFALLA (EGYPT)
- 39520 INTERCALARY CUSTOM-MADE COMPRESSIVE® IMPLANTS FOR THE RECONSTRUCTION OF MALIGNANT FEMORAL DIAPHYSIS TUMOURS – CASE REPORT AND THREE-DIMENSIONAL FINITE ELEMENT ANALYSIS**
Chunlin ZHANG (CHINA)
- 40626 LIMB SALVAGE SURGERY WITH THE EXPANDABLE PROSTHESIS IN THE SKELETALLY IMMATURE CHILD OF MALIGNANT BONE TUMOURS**
Jingnan SHEN, Jin WANG, Gang HUANG, Junqiang YIN, Changye ZOU (CHINA)
- 39417 NATIVE-JOINT-PRESERVING LIMB SALVAGE SURGERY AFTER EXCISION OF JUXTA-ARTICULAR OSTEOSARCOMA AROUND THE KNEE: CLINICAL OUTCOMES AND RECONSTRUCTION METHODS**
Xiuchun YU (CHINA)
- 41350 LARS RECONSTRUCTION IMPROVES THE OUTCOME OF SHOULDER TUMOUR JOINT REPLACEMENT SURGERY**
Rui SHI, Chongqi TU, Hong DUAN (CHINA)
- 39451 AN ANALYSIS OF EPIDEMIOLOGY AND PROGNOSTIC FACTORS FOR CHINESE PATIENTS WITH OSTEOSARCOMA – 13-YEAR EXPERIENCE IN 365 PATIENTS TREATED AT A SINGLE INSTITUTION**
Wei WANG (CHINA)
- 40930 IMPORTANT VARIABLES IN MUSCULOSKELETAL TUMOUR STUDIES**
Dariush GOURAN SAVADKOOHI, Ehsan PENDAR, Mohammad SAVADKOOHI, Babak SIAVASHI (IRAN)
- 39345 A STUDY ON EFFICACY OF CORECUT BIOPSY IN BONE LESIONS**
M. JYOTHIPRASANTH, T.S. GOPAKUMAR, Khan PRINCE, Nambiar AKHIL R. (INDIA)

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

16:00 - 17:30 **Free Papers – Tumours III**

Moderators:

Haomiao LI (CHINA), Chongqi TU (CHINA)

- 42383 PHYSEAL DISTRACTION DURING SURGICAL TREATMENT OF OSTEOSARCOMA OF THE FEMUR**
Weitao YAO (CHINA)
- 42382 LIMB PRESERVATION OPERATIONS IN THE TREATMENT OF GROWING YOUNG PATIENTS**
Weitao YAO (CHINA)
- 42381 TREATMENT AND CLINICAL RESULT OF PATIENTS WITH DEEP INFECTION AFTER LIMB SALVAGE OF OSTEOSARCOMA**
Changye ZOU (CHINA)
- 42380 TECHNIQUE OF THE PELVIC REGION II RESECTION AND RECONSTRUCTION**
Cheng LI (CHINA)
- 42379 TRANSPEDICULAR LATERAL DEBRIDEMENT, BONE GRAFTING AND POSTERIOR INSTRUMENTATION FOR PRIMARY SPINAL TUMOUR**
Jianzhong HU (CHINA)
- 42378 ADAMANTINOMA OF THE LONG BONES – A RETROSPECTIVE STUDY OF 18 CASES**
Zhiping DENG (CHINA)
- 42377 RISK FACTORS OF POSTOPERATIVE NEUROLOGICAL DEFICITS AFTER NERVE ROOT RESECTION IN THE TREATMENT OF SPINAL INTRADURAL SCHWANNOMA**
Fei ZOU (CHINA)
- 42376 CHONDROBLASTOMA OF BONE IN THE EXTREMITIES: A MULTI-CENTRED RETROSPECTIVE STUDY**
Hairong XU (CHINA)
- 42375 IMAGE-GUIDED RADIOFREQUENCY ABLATION (RFA) OF OSTEOLYTIC SPINAL TUMOURS**
Xiaoguang LIU (CHINA)
- 42374 DOES INTRA-EPIPHYSEAL RESECTION LEAD TO LIMBS DISCREPANCY IN SKELETALLY IMMATURE PATIENTS OF DISTAL FEMUR OSTEOSARCOMA?**
Songfeng XU (CHINA)



Saturday, 19 September

Hall 7 Zhongshan

08:30 - 10:00

Free Papers – Developing World

Moderators:

Dadi JIN (CHINA), Michael LAURENCE (UNITED KINGDOM)

- 41566 PATTERN OF SECTARIAN ASSAULT INJURIES IN KANO, NIGERIA**
Kabir ABUBAKAR, Okoh NDUBUISI (NIGERIA)
- 40494 CO-MORBIDITIES IN ORTHOPAEDICS AND TRAUMATOLOGY IN DEVELOPING NATIONS**
Arindam BANERJEE (INDIA)
- 39722 EPIDEMIOLOGY & IMPACT OF EARLY REHABILITATION OF SPINAL TRAUMA AFTER THE 2005 EARTHQUAKE OF KASHMIR, INDIA**
Sanjay KESHKAR, Nirmal DEY (INDIA)
- 41175 EXTERNAL FIXATOR AS DEFINITIVE TREATMENT FOR OPEN FEMUR FRACTURE – SYRIAN WAR EXPERIENCE**
Abduljabbar ALHAMMOUD¹, Bakry MAAZ², Zakwan SHAHHOUD³
¹(QATAR), ²(ALGERIA), ³(SYRIA)
- 40482 REVISION TOTAL HIP REPLACEMENT IN A RESOURCE LIMITED ENVIRONMENT: A REVIEW OF 22 CASES**
Lieven DOSSCHE¹, Jan NOYEZ¹, Windemi OUEDRAOGO², Eustache KALMOGHO²
¹(BELGIUM), ²(BURKINA FASO)
- 40775 COST REDUCTION FOR KNEE ARTHROPLASTY IN A DEVELOPING COUNTRY**
Mahmoud HAFEZ, Hazem YASSIN, Ahmed NABEEL (EGYPT)
- 39177 PREVALENCE OF SKELETAL DEFORMITY DUE TO CLINICAL NUTRITIONAL RICKETS IN CHILDREN 1 TO 18 YEARS IN TEA GARDEN COMMUNITY IN DIBRUGARH DISTRICT (ASSAM, INDIA)**
Tarun CHABRA, Ayush SHARMA, Pranjal TAHBILDAR, Chirag PARSANA, Amrut RAJE, Rajat MAHAJAN, Chatterjee RUPAK (INDIA)
- 41828 PATTERN OF MUSCULOSKELETAL TUBERCULOSIS IN A DEVELOPING COUNTRY**
Udo Ego ANYAEHIE, Omolade Ayoola LASEBIKAN, Obidiche Solomon OLEWE, Valentine Ogochukwu OGBU (NIGERIA)

10:00 - 10:30

Break

10:30 - 12:00

APOA (Asia Pacific Orthopaedic Association) Symposium

Moderator:

Graham MERCER (AUSTRALIA)

APOA REGIONAL EDUCATIONAL INITIATIVES

David CHOON (MALAYSIA)

EARLY SURGICAL TREATMENT IN ORTHOPAEDIC INJURIES – IS IT RECOMMENDED?

Jamal ASHRAF (INDIA)

STEM CELLS FOR KNEE PAIN – WHAT IS THE EVIDENCE IN 2016?

K.S. SIVANANTHAN (MALAYSIA)

HOW DO NATIONAL JOINT REGISTRIES INFLUENCE ORTHOPAEDIC SURGICAL PRACTICE?

Graham MERCER (AUSTRALIA)

CAN ASIA PACIFIC EQUAL EUROPE AND NORTH AMERICA IN ORTHOPAEDIC RESEARCH AND EDUCATION?

K.S. SIVANANTHAN (MALAYSIA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY

Wei GUO (CHINA)

12:30 - 14:00

Break

14:00 - 15:30

Free Papers – Conservative Treatment

Moderators:

Khaled EMARA (EGYPT), Gang LIU (CHINA)

40297 TOPICAL INJECTION AND INFUSION FOR PAIN MANAGEMENT OF POST-LUMBAR SPINE SURGERY

Chihuan LI (CHINESE TAIPEI)

40667 STUDY OF ROOT BLOCK PROCEDURE AS A DIAGNOSTIC AND THERAPEUTIC AID IN LUMBOSACRAL RADIOCULOPATHY

Yuvraj HIRA (INDIA)

- 40110 EFFICACY OF POSTOPERATIVE PAIN MANAGEMENT OF THE ILIAC CREST BONE GRAFT HARVESTING SITE IN ADOLESCENT IDIOPATHIC SCOLIOSIS PATIENTS: A PARALLEL, DOUBLE-BLINDED, RANDOMISED CONTROLLED TRIAL**
Dino SAMARTZIS, Cora BOW, Jason Pui Yin CHEUNG, Phoebe SHAM, Kin-Cheung MAK, Wai-Yen CHEUNG, Yat-Wa WONG, Keith LUK, Kenneth CHEUNG, Jean-Claude LAWMIN (HONG KONG, CHINA)
- 39404 EFFECT OF CRYOTHERAPY AFTER ELBOW ARTHROLYSIS: A PROSPECTIVE, SINGLE-BLIND, RANDOMISED CONTROLLED STUDY**
Shiyang YU, Shuai CHEN, Cunyi FAN (CHINA)
- 41583 ROLE OF A CHRONIC CARE PROGRAM APPROACH IN THE MANAGEMENT OF OSTEOARTHRITIS: AN ANALYSIS FROM A PROSPECTIVE WAIT-LISTED COHORT IN A REGIONAL HEALTH SERVICE**
Niranjan SARJAPURAM, Andrew LEICESTER, Loretta ANDREWSON, Loretta ANDERSON (AUSTRALIA)
- 39719 QUICK FABRICATED NON-MODIFIED PROSTHETIC SOCKET FOR TRANSTIBIAL (BELOW KNEE) AMPUTEE – AN ALTERNATIVE, COST EFFECTIVE APPROACH OF PROSTHETIC MANAGEMENT**
Nirmal DEY, Sanjay KESHKAR (INDIA)
- 39260 BRACE MODIFICATION IN TALIPES-EQUINO-VARUS (TEV): BETTER PATIENT COMPLIANCE**
Khaled EMARA, Ramy DIAB (EGYPT)
- 42318 POSTERIOR HEMIVERTEBRA RESECTION AND DEFORMITY CORRECTION ASSISTED BY INTRAOPERATIVE THREE-DIMENSIONAL FLUOROSCOPY NAVIGATION**
Guanyu CUI (CHINA)



Saturday, 19 September

Hall 8 Dongguan

08:30 - 10:00

Free Papers – Trauma: Femur Proximal & Shaft

Moderators:

Sangam NAGRANI (UNITED KINGDOM), Qiugen WANG (CHINA)

- 41748 ROLE OF LOCKING PLATE WITH DYNAMIC HIP SCREW IN TROCHANTERIC FRACTURES IN ELDERLY PATIENTS**
Aartis DEWAN, Harjot Singh GURUDATTA (INDIA)

- 41747 TANGENTIAL SCREWS OF THE FEMORAL HEAD/NECK IN HIP FRACTURES**
Nenad SESIC (CROATIA)
- 41128 ASSESSMENT OF THE GEOMETRY OF PROXIMAL FEMURS FOR ADEQUACY OF THE PLACEMENT OF PROXIMAL FEMORAL NAILS – STUDY IN DRY HUMAN FEMORA AND LIVING SUBJECTS**
Rehan UL HAQ, Devendra PATHROT (INDIA)
- 41580 SAFETY AND EFFICACY OF A NEW OSTEOSYNTHESIS DEVICE IN THE TREATMENT OF INTRACAPSULAR HIP FRACTURE IN OCTOGENARIAN POPULATION**
Sangam NAGRANI, Sandesh LAKKOL, Joel HUMPHREY, Rajan JANDOO, Alistair TINDALL (UNITED KINGDOM)
- 41573 WHAT IS THE SIGNIFICANCE OF HEMIARTHROPLASTY IN THE MANAGEMENT OF UNDISPLACED INTRACAPSULAR HIP FRACTURES?**
Sangam NAGRANI, Pouya AKHBARI, Alister TINDALL, Sandesh LAKKOL (UNITED KINGDOM)
- 39839 REAMED INTRAMEDULLARY NAILING VERSUS UNREAMED INTRAMEDULLARY NAILING FOR SHAFT FRACTURE OF FEMUR: A SYSTEMATIC LITERATURE REVIEW**
Xin DUAN (CHINA)
- 42362 CORONAL MISMATCH OF FEMORAL LOCKING PLATES ON ASIAN FEMUR: AN INSIDIOUS TRAP LEADING TO VALGUS MALUNION OR NON-UNION IN MID-DISTAL FEMORAL FRACTURES**
Jian LIN (CHINA)
- 41151 INFECTED GAP NON-UNIONS OF SHAFT FRACTURES TREATED WITH ILIZAROV COMPRESSION-DISTRACTION DEVICE**
M. Mofakhkharul BARI (BANGLADESH)
- 39328 NAIL-MEDULLARY CANAL RATIO AFFECTS MECHANICAL AXIS DEVIATION DURING FEMORAL LENGTHENING WITH AN INTRAMEDULLARY DISTRACTOR**
Nael HAWI¹, Christian KRETTEK¹, Timo STUEBIG¹, Mohamed KENAWAY², Emmanouil LIODAKIS¹
¹(GERMANY), ²(EGYPT)

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

10:30 - 12:00 **Free Papers – Trauma: Proximal Femur**

Moderators:

Abhishek ABHISHEK (UNITED KINGDOM), Kai YU (CHINA)

- 41893 USE AND INDICATION OF SHORT BARREL DHS PLATES**
Abhishek ABHISHEK, Rajan MAHESHWARI, Tamer TADROSS, Bassam KUFFASH (UNITED KINGDOM)

- 40762 FLOATING HIP INJURIES: SEQUENCE OF FRACTURE FIXATION – A RETROSPECTIVE STUDY**
Arul Jothi VAITHILINGAM, Vivek TRIKHA (INDIA)
- 40624 BIOMECHANICAL COMPARISON OF VARIOUS IMPLANTS IN PAUWEL'S GRADE III FRACTURE OF NECK OF FEMUR**
Satish Chandra GOEL, Birju MANJHI (INDIA)
- 39374 MISMATCH OF THE SHORT STRAIGHT CEPHALOMEDULLARY NAIL (PFNA-II) WITH THE ANTERIOR BOW OF THE FEMUR IN CHINESE POPULATION**
Shimin CHANG (CHINA)
- 41577 SUBTROCHANTERIC FRACTURE TREATED WITH DHS & LONG PLATE & PRIMARY BONE GRAFTING (STUDY OF 50 CASES)**
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)
- 41618 OPTIONS OF FIXATOR-ASSISTED INTERNAL FIXATION IN PERIPROSTHETIC FRACTURES OF THE FEMUR**
Alexander CHELNOKOV¹, Igor PIVEN¹, Igor SHLYKOV¹, Konstantin PIASTOPULO¹, Igor SHUGOL²
¹(RUSSIA), ²(UNITED KINGDOM)
- 42387 ELECTROMAGNETIC NAVIGATION INTERLOCKING INTRAMEDULLARY NAIL TECHNOLOGY FOR TREATMENT OF DISTAL TIBIA SHAFT FRACTURES**
Xuedong ZHANG (CHINA)
- 42386 THE ANTEROLATERAL AND ANTEROMEDIAL THIGH FLAP VASCULARISED BY DESCENDING BRANCH OF LATERAL CIRCUMFLEX FEMORAL ARTERY**
Honghao CHEN (CHINA)
- 42385 COMPLICATIONS OF INTERTROCHANTERIC FRACTURES OF FEMUR IN SENILE PATIENTS**
Peng GAO (CHINA)
- 42370 EVALUATION OF PERIOPERATIVE RISK FACTORS OF GERIATRIC PATIENTS WITH HIP FRACTURE**
Yaonan ZHANG, Zilong YIN, Qingyun XUE (CHINA)
- 42369 CONTRALATERAL HIP FRACTURE AFTER FEMORAL INTERTROCHANTERIC FRACTURE OPERATION: RISK FACTOR ANALYSIS**
Huang YANG (CHINA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00

Break

14:00 - 15:30

Free Papers – Trauma: Miscellaneous

Moderators:

Fang LI (CHINA), Amith SHETTY (INDIA)

- 40585 A LONG-TERM FUNCTIONAL FOLLOW-UP ON 47 FOREARM REPLANTATION CASES**
Yongjun RUI (CHINA)
- 41015 AN EXPLORATORY STUDY OF SCHOOL INJURIES: ANALYSIS OF 2,956 MEDICAL ENTRIES**
Amith SHETTY, Sourabh KULKARNI, Nikhil SHETTY, Vijay SHETTY (INDIA)
- 41746 LOCAL STRESS RATIO = YINYANG IN BONE HEALING AGAINST AO “STABILITY”**
Nenad SESIC (CROATIA)
- 40858 A STUDY OF 50 CASES OF TIBIAL PLATEAU FRACTURE IN ADULTS**
Vishal MANDLEWALA, Ashish SURYAWANSHI (INDIA)
- 41034 DEFINITION OF THE SAFE ZONE FOR ANTEGRADE LAG SCREW FIXATION OF ACETABULAR POSTERIOR COLUMN FRACTURE BY 3D TECHNOLOGY**
Xiaoreng FENG, Sheng ZHANG, Chaowen LIN, Bin CHEN, Jintao FANG (CHINA)
- 40079 PERCUTANEOUS SCREW FIXATION FOR PELVIC FRACTURES WITH FLUOROSCOPY-BASED NAVIGATION**
Xiang ZHOU (CHINA)
- 42366 SENSATE SOLE RECONSTRUCTION USING LATERAL SURAL NEURO CUTANEOUS FLAP**
Chunyang WANG, Yimin CHAI, Pei HAN (CHINA)
- 42365 CONTRALATERAL C7 TRANSFER VIA THE PRESPINAL AND RETROPHARYNGEAL ROUTE TO REPAIR BRACHIAL PLEXUS ROOT AVULSION**
Yulai ZHANG (CHINA)
- 42364 CURRENT PERCEPTION THRESHOLD APPLIES TO OBSERVING SENSORY NERVE REGENERATION AFTER SURGICAL REPAIR**
Jie CHEN, Dong TIAN, Lei XU (CHINA)
- 42363 EMERGENT FREE FLOW-THROUGH ANTEROLATERAL THIGH FLAPS FOR UPPER LIMB SALVAGE**
Jian QI (CHINA)

15:30 - 16:00

Break

Moderators:

Wilson LI (HONG KONG, CHINA), Fan LIU (CHINA)

- 41433 TREATMENT OF COMPLEX DISTAL FEMORAL FRACTURE WITH DEFLECTION BY USING LCP PLUS BONE TRANSPLANTATION**
Zhanyu CHEN, Zongke ZHOU (CHINA)
- 40824 FUNCTIONAL OUTCOME OF DISTAL FEMUR INTRA-ARTICULAR FRACTURES MANAGED WITH ANATOMICALLY CONTOURED LOCKED PLATES THROUGH MIPO TECHNIQUE**
Arul Jothi VAITHILINGAM, Vivek TRIKHA (INDIA)
- 40501 163 UNICONDYLAR FEMORAL FRACTURES AO 33B3: ORIF**
Jean-Christophe BEL, Charles COURT, Paul BONNEVIALLE, Christophe HULET, Christophe CHANTELOT, Franck DUJARDIN, Xavier FLECHER, Matthieu EHLINGER, Raoul BERTIN, Laurent PIDHORZ, Guy PIETU, Eric VANDENBUSSCHE (FRANCE)
- 39571 SURGICAL TREATMENT OF COMMINUTED DISTAL FEMORAL FRACTURES BY LOCKED PLATES IN OSTEOPOROTIC PATIENTS**
Mohamed HOSNI, Atef MORSY, Ahmed GABER (EGYPT)
- 41554 ANTEGRADE CLOSED INTERLOCKED NAILING IN FRACTURES ABOVE TOTAL KNEE ARTHROPLASTY**
Alexander CHELNOKOV¹, Igor SHUGOL², Johangir KARIMOV¹
¹(RUSSIA), ²(UNITED KINGDOM)
- 41954 COMPARISON OF FUNCTIONAL OUTCOME IN SUPRACONDYLAR FEMUR FRACTURE WITH INTERCONDYLAR EXTENSION AO TYPE C1 AND C2 TREATED WITH IMIL NAIL WITH CC SCREWS VERSUS DFCLP**
Saurabh GUPTA, Sohan Lal GUPTA, Om SHAH (INDIA)
- 42361 BIFOCAL OSTEOSYNTHESIS FOR TREATMENT OF DISTAL FEMORAL DEFORMITY WITH SHORTENING: ACUTE CORRECTION AND GRADUAL LENGTHENING**
Qinglin KANG (CHINA)
- 41457 FUNCTIONAL OUTCOME OF PATELLAR FRACTURE FIXATION USING BRAIDED POLYESTER AND ENDOBUTTONS**
Srikanth THALANKI, Rajesh GOEL, Chirag BHATIA, Shivbhagwan SHARMA, Ashwani BAGARIA, Avinash RAI (INDIA)
- 40109 CONCOMITANT POSTERIOR CRUCIATE LIGAMENT INJURIES WITH DIRECTLY INJURED PATELLAR FRACTURES**
Jae Ang SIM, Yong Cheol YOON, Beom Koo LEE, Byung Kag KIM (SOUTH KOREA)
- 41630 FLOATING KNEE INJURIES – AN INDIAN EXPERIENCE OF 43 CASES**
Jefferson GEORGE (INDIA)



Saturday, 19 September

Hall 9 Jiangmen

10:30 - 12:00

Free Papers – Knee: Total Knee Arthroplasty - Infection & Revision

Moderators:

Nael HAWI (GERMANY), Li SUN (CHINA)

- 39126 ARTICULATING AND NON-ARTICULATING SPACERS IN TREATMENT OF DEEP PERIPROSTHETIC INFECTION**
Alexey MUZYCHENKOV (RUSSIA)
- 39329 SEPTIC SINGLE-STAGE KNEE ARTHRODESIS AFTER FAILED TOTAL KNEE ARTHROPLASTY USING A CEMENTED COUPLED NAIL**
Nael HAWI, Kendoff DANIEL, Christian KRETTEK, Mustafa CITAK, Thorsten GEHRKE, Carl HAASPER (GERMANY)
- 41646 TANTALUM TRABECULAR METAL CONES ARE ASSOCIATED WITH LOWER RATES OF PERIPROSTHETIC JOINT INFECTION FOLLOWING REVISION TOTAL KNEE ARTHROPLASTY**
Alvin ONG, Ronald HUANG, Danijel PERICIC, Fabio OROZCO, Zachary POST, Victor HERNANDEZ (UNITED STATES)
- 42359 EFFECTIVE PREVENTION OF PERIOPERATIVE INFECTION IN TOTAL KNEE ARTHROPLASTY**
Xinghuo ZHANG (CHINA)
- 40329 LONG-TERM RESULTS OF ROTATING HINGED KNEE PROSTHESIS IN COMPLEX PRIMARY AND REVISION CASES**
Mostafa AZAB¹, Mohamed ELRAKAYBI², Enjie IBRAHIM²
¹(EGYPT), ²(SAUDI ARABIA)
- 40066 COMPLEX PRIMARY TKR USING ROTATING HINGE KNEE AND PROPHYLACTIC GASTROCNEMIUS FLAP IN NEGLECTED POST-TRAUMATIC INFECTIVE ARTHRITIS OF KNEE – A CASE REPORT**
Sanjeev PATNAIK, Biswaranjan NAYAK (INDIA)
- 40508 TOTAL KNEE REPLACEMENT USING REVISION HYBRID STEMS**
David LIONBERGER, Karen LIN (UNITED STATES)
- 39211 IS SYNOVECTOMY NECESSARY IN TOTAL KNEE ARTHROPLASTY WITH SEVERE CHONDROCALCINOSIS?**
Philippe HERNIGOU, Alexandre POIGNARD (FRANCE)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY

Wei GUO (CHINA)

12:30 - 14:00

Break

14:00 - 15:30

Free Papers – Knee: Total Knee Arthroplasty

Moderators:

Jacques Henri CATON (FRANCE), Yisheng WANG (CHINA)

40580 LOW MORBIDITY IN 5 YEARS IN UNICONDYLAR KNEE ARTHROPLASTY BY APPROPRIATE SURGICAL ALGORITHMS AND PATIENT SELECTION

Yusuf ERDEM, Bulent KARSLIOGLU (TURKEY)

41574 IS UKA A DEFINITIVE TREATMENT FOR TRICOMPARTMENTAL ARTHRITIS IN OCTOGENARIANS: RESULTS IN 55 KNEES

Rajiv THUKRAL, S.K.S. MARYA (INDIA)

42357 MID-TERM CLINICAL OUTCOME OF OXFORD III UNICOMPARTMENTAL KNEE REPLACEMENT

Yaonan ZHANG (CHINA)

39990 ALL CEMENTLESS TOTAL KNEE ARTHROPLASTY WITH MOBILE BEARING: A PROSPECTIVE STUDY WITH RESULTS AT MINIMUM 8-YEAR FOLLOW-UP

Jacques Henri CATON, Jean-Marie RAGOT, Xavier NORMAND, Jean-Louis PINCON (FRANCE)

41208 AN INTERESTING ASYMMETRICAL CAM DESIGNED TO RAPIDLY RESTORE FUNCTION AFTER TOTAL KNEE ARTHROPLASTY

André FERREIRA (FRANCE)

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)

39090 DIGGING DEEPER INTO THE PATELLOFEMORAL JOINT: PATELLOFEMORAL COMPOSITE – A NEW DIMENSION FOR THE OVERSTUFFING OF PATELLOFEMORAL JOINT

Vikram KANDHARI, Mohan DESAI, Surendarsingh BAVA, Roshan WADE (INDIA)

42358 THE TREATMENT OF STIFF KNEE AFTER TOTAL KNEE ARTHROPLASTY

Qi LI (CHINA)

- 42356 ADJUSTED FEMORAL OSTEOTOMY DURING TKA ACCORDING TO THE ANATOMICAL FEATURES IN CHINESE POPULATION – A RANDOMISED, DOUBLE-BLIND, CONTROLLED STUDY**
Heng LI (CHINA)

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

16:00 - 17:30 **Free Papers – Knee: Arthroplasty & Miscellaneous**

Moderators:

David LIONBERGER (UNITED STATES), Zhengang ZHA (CHINA)

- 39135 PATIENT SPECIFIC INSTRUMENTS DO NOT IMPROVE THE RADIOLOGICAL AND CLINICAL OUTCOMES IN TOTAL KNEE ARTHROPLASTY: A RANDOMISED CONTROLLED TRIAL WITH MINIMUM 2 YEARS' FOLLOW-UP**
Chun Hoi YAN, Kwong Yuen CHIU, Fu Yuen NG, Ping Keung CHAN, Christian Xinshuo FANG (HONG KONG, CHINA)
- 40512 CAN CAS CURE ACCURACY DEFICIENCIES IN PSI-TKR?**
David LIONBERGER (UNITED STATES)
- 39506 THE EFFECT OF TIBIAL COMPONENT ALIGNMENT ON PERIPROSTHETIC BONE REMODELLING AFTER TOTAL KNEE ARTHROPLASTY**
Haytham ABDELAZIM (EGYPT)
- 40903 IMPACT OF TIBIA PLATEAU ANATOMICAL VARIATIONS ON KNEE ARTHROPLASTY OUTCOMES**
Gurpal SINGH, Muhammed Yaser HASAN (SINGAPORE)
- 41599 BIOMECHANICAL PROPERTIES OF POLYMETHYL METHACRYLATE (PMMA) BONE CEMENT CONTAMINATED WITH BLOOD**
Bryan Thean Howe KOH, Jonathan Jiong Hao TAN, Amit Kumarsing RAMRUTTUN, Wilson WANG (SINGAPORE)
- 39286 POSTOPERATIVE ANALGESIA AFTER TKA – INTRA-ARTICULAR CATHETER VS. CONTINUOUS FEMORAL NERVE BLOCK**
Karl Philipp KUTZNER, Christopher PAULINI, Marlene HECHTNER, Philipp REHBEIN, Joachim PFEIL (GERMANY)
- 41837 ROUTINE USE OF MECHANICAL CALF PUMPS AS VENOUS THROMBOEMBOLISM PROPHYLAXIS IN ASIAN PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY: A SINGLE INSTITUTION'S EXPERIENCE**
Jing Loong Moses LOH, Keng Lin WONG, Eng Soo YAP, Deborah Chia Hsin CHEW, Wilson WANG, Stephrene Seok Wei CHAN (SINGAPORE)
- 39584 CONSENT FORMS IN ELECTIVE TOTAL KNEE REPLACEMENT (TKR) IN A LARGE TEACHING HOSPITAL**
Mathias NAGY, John ROWLES (UNITED KINGDOM)

- 41423 WHEN IS IT SAFE FOR PATIENTS TO DRIVE AFTER RIGHT TOTAL KNEE ARTHROPLASTY?**
Victor HERNANDEZ, Fabio OROZCO, Anne Marie MADDEN, Zachary POST, Alvin ONG (UNITED STATES)
- 42315 THE EXPERIENCE OF ONE-STAGED IPSILATERAL TOTAL HIP AND KNEE ARTHROPLASTY: 13-CASE (15 HIPS AND KNEES) REPORT**
Hu LI (CHINA)



Saturday, 19 September

Hall 10 Jieyang

08:30 - 10:00

Free Papers – Foot & Ankle: Trauma I

Moderators:

Thami BENZAKOUR (MOROCCO), Jianzhong ZHANG (CHINA)

- 39629 REPAIR OF THE ACUTE DELTOID LIGAMENT COMPLEX RUPTURE ASSOCIATED WITH ANKLE FRACTURES: A MULTI-CENTRE CLINICAL STUDY**
Guangrong YU, Mingzhu ZHANG, Xin TANG, Ming XIE, Linru ZENG, Yunfeng YANG, Youguang ZHAO (CHINA)
- 39920 IS MORPHOLOGY OF FIBULAR FRACTURE A CORRELATION FACTOR OF SYNDESMOSIS SYNOSTOSIS IN SURGICALLY TREATED ANKLE FRACTURE?**
Lu BAI (CHINA)
- 42304 OPERATIVE INDICATIONS FOR POSTERIOR MALLEOLAR FRACTURES**
Xiaofeng GONG (CHINA)
- 39653 BONE PEG FIXATION FOR OSTEOCHONDRAL LESIONS OF THE TALUS**
Ichiro HIGASHIYAMA, Tsukasa KUMAI, Yasushi SHINOHARA, Tomohiro MATSUI, Yasuhito TANAKA (JAPAN)
- 42306 LIMITED LATERAL INCISIONAL APPROACH WITH THE OPEN REDUCTION AND INTERNAL FIXATION (ORIF) OF DISPLACED CALCANEAL FRACTURES**
Junfeng ZHAN (CHINA)
- 41534 COMPARISON BETWEEN LOCKED AND UNLOCKED PLATES IN TREATING INTRA-ARTICULAR CALCANEAL FRACTURES**
Hatem SAID, Joseph ISAAK, Mohammad EL-SHARKAWI (EGYPT)
- 40175 CLOSED REDUCTION AND INTERNAL FIXATION WITH MIPPO TECHNIQUE FOR CALCANEAL FRACTURES**
Yan GUO, Fang ZHOU (CHINA)

- 39357 TREATMENT OF CALCANEAL FRACTURES USING A NOVEL MINIMALLY INVASIVE NON-METAL WORK TECHNIQUE: THE ROLE OF BONE GRAFTS**
Chinyelu MENAKAYA, B. ZWAN (UNITED KINGDOM)
- 39234 PLANNED SEMI-ELECTIVE FIXATION OF DISPLACED INTRA-ARTICULAR CALCANEAL FRACTURES MAY REDUCE POSTOPERATIVE INFECTION AND WOUND COMPLICATION RATES**
Mohammed ALI, Mustafa ALNAIB, Paul PATTERSON (UNITED KINGDOM)
- 42305 DORSAL BRIDGE PLATING OF LISFRANC INJURIES: A MID-TERM FOLLOW-UP STUDY**
Xudong MIAO (CHINA)

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

10:30 - 12:00 **Free Papers – Foot & Ankle: Trauma II**

Moderators:

Aleh KORZUN (BELARUS), Xiangyang XU (CHINA)

- 41781 EVALUATION OF TREATMENT OF SUPINATION-ADDUCTION INJURIES OF THE ANKLE BY PERCUTANEOUS WIRES AND SCREWS**
Nehad EL MAHBOUB, Waleed ARAFAT, Alaa AL TAHAN, Mina MALAK (EGYPT)
- 39084 SUCCESSFUL OSTEOSYNTHESIS IN CASES OF COMMUNUTED FRACTURE OF NECK OF TALUS: OUR EXPERIENCE OF 7 CASES WITH MEDIAL SCREW AND LATERAL PLATE CONSTRUCT**
Raghuveer Chander ALLURI, Aditya Krishna MOOTHA (INDIA)
- 40918 HINDFOOT STABILITY FOLLOWING MEDIAL TALAR FACET EXCISION**
Boyko GUEORGUIEV¹, Jannifer HAGEN¹, Andrew SANDS², Geoff RICHARDS¹, Michael SWORDS², Stefan RAMMELT³
¹(SWITZERLAND), ²(UNITED STATES), ³(GERMANY)
- 41648 DELAYED ORIF IN TREATMENT OF OPEN CALCANEAL FRACTURES**
Aleh KORZUN, Alexander BELETSKY (BELARUS)
- 40953 INTERNAL FIXATION OF CALCANEUS FRACTURES**
Atef MORSY, Emad ELBANA, Ahmed Gaber MOSTAFA (EGYPT)
- 39725 CALCANEAL NAIL – THE MIDDLE LONG-TERM RESULTS**
Martin POMPACH¹, Martin CARDA¹, Lubos ZILKA¹, Hans ZWIPP², Michael AMLANG²
¹(CZECH REPUBLIC), ²(GERMANY)
- 41545 THE USE OF MEMORY STAPLES IN TREATMENT OF LISFRANC INJURIES**
Seyed ALI, Ismail FATHALLA (UNITED KINGDOM)

- 41692 STAGED MANAGEMENT OF MISSED LISFRANC INJURIES**
Hui ZHANG (CHINA)
- 42292 THE MEDIAL DISPLACEMENT CALCANEAL OSTEOTOMY WITH MODIFIED KIDNER PROCEDURE FOR THE FLATFOOT RELATED WITH ACCESSORY NAVICULAR**
Binghua ZHOU (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Free Papers – Foot & Ankle: Miscellaneous*

Moderators:

Yong WU (CHINA), Henry Sui Fai YIP (HONG KONG, CHINA)

- 40243 ACUTE ACHILLES TENDON RUPTURE: SEARCHING FOR A TREATMENT ALGORITHM**
Andrea MANENT, Alejandro SANTAMARIA, Maria Eulalia LOPEZ, Isabel PARADA, Juan Manuel RIOS, Jorge MURIANO (SPAIN)
- 40994 SURGICAL TREATMENT OF HEMOPHILIAC ACHILLES TENDON CONTRACTURES**
Peng GAO (CHINA)
- 40600 RETURN TO ACTIVITY AFTER ARTHROSCOPIC DEBRIDEMENT SURGERY FOR ANTERIOR ANKLE SOFT TISSUE IMPINGEMENT SYNDROME**
Jingwen NG, Gowreeson THEVENDRAN (SINGAPORE)
- 42289 CLINICAL STUDY ON ARTHROSCOPIC CHARACTERISTICS OF CHRONIC LATERAL ANKLE INSTABILITY AND ITS RECONSTRUCTION**
Wenhui ZHU (CHINA)
- 40405 LITERATURE REVIEW OF ISOLATED TALONAVICULAR ARTHRODESIS AND A FINITE ELEMENT ANALYSIS FOR OPTIMAL SCREW PLACEMENT**
Dan JIN, Shenghui MA (CHINA)
- 41469 MANAGEMENT OF LISFRANC FRACTURE DISLOCATION INJURY BY CLOSED REDUCTION & PINNING**
Ataf MORSY, Emad ELBANA, Ahmed Gaber MOSTAFA (EGYPT)
- 42287 A PROSPECTIVE STUDY OF MIDFOOT OSTEOTOMY COMBINED WITH ADJACENT JOINT SPARING INTERNAL FIXATION IN TREATMENT OF RIGID PES CAVUS DEFORMITY**
You ZHOU (CHINA)

- 42296 CLASSIFICATION OF CALCANEAL SPURS AND THEIR RELATIONSHIP WITH PLANTAR FASCIITIS**
Binghua ZHOU (CHINA)
- 42297 INTERMEDIATE RESULTS OF LARGE CYSTIC MEDIAL OSTEOCHONDRAL LESIONS OF THE TALUS TREATED WITH OSTEOPERIOSTEAL CYLINDER AUTOGRAFTS FROM MEDIAL TIBIA**
Kanglai TANG (CHINA)
- 42298 DIAGNOSIS AND TREATMENT OF FOOT AND ANKLE SCHWANNOMA**
Jiazhang HUANG (CHINA)
- 42288 ACCURATE DETERMINATION OF SCREW POSITION IN TREATING FIFTH METATARSAL BASE FRACTURES TO SHORTEN RADIATION EXPOSURE TIME**
Xu WANG (CHINA)

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

16:00 - 17:30 **Free Papers – Foot & Ankle: Deformities & Trauma**

Moderators:

Xin MA (CHINA), Henry Sui Fai YIP (HONG KONG, CHINA)

- 41914 HYBRID FIXATOR AS A DEFINITIVE MANAGEMENT OF DISTAL TIBIAL FRACTURES – THREE YEARS' FOLLOW-UP**
Jeya Venkatesh PALANISAMY, Fakhruddin FAROOK, R. BALACHANDRAN (INDIA)
- 40256 POSTERIOR/POSTEROLATERAL PLATING FOR DISTAL FIBULA FRACTURES**
Turner VOSELLER, Danica VANCE, Alejandro PLANA, Anna FU, Justin GREISBERG (UNITED STATES)
- 41551 NON-UNION OF FRACTURES OF THE DISTAL FIBULA**
Seyed ALI, Ismail FATHALLA (UNITED KINGDOM)
- 39597 OSTEOTOMY RECONSTRUCTION SURGERY FOR PILON FRACTURE MALUNION**
Zhongmin SHI, Tonglong XU (CHINA)
- 41670 WEIL OSTEOTOMY OF THE FIRST METATARSAL: 179 CASES**
Isabel PARADA AVENDAÑO, Alejandro SANTAMARÍA FUMAS, Jorge MURIANO ROYO, Alejandro DOMINGUEZ SEVILLA, Juan Manuel RIOS RUTH, Laia LÓPEZ CAPDEVILA (SPAIN)
- 41818 TO EVALUATE THE CLINICAL AND RADIOLOGICAL OUTCOME FOLLOWING THE FOREFOOT RECONSTRUCTION IN RHEUMATOID ARTHRITIS**
Nipun RANA (INDIA)

- 40692 FLAT SHOE IN POSTOPERATIVE CARE OF THE FIRST METATARSOPHALANGEAL JOINT ARTHRODESIS**
Andrea MANENT, Alejandro SANTAMARIA, Maria Eulalia LOPEZ, Eduardo GARDELLA, Isabel PARADA, Juan Manuel RIOS, Jorge MURIANO (SPAIN)
- 40662 TREATMENT OF RELAPSED RIGID IDIOPATHIC CLUBFOOT IN ELDER CHILDREN BY THE PONSETI METHOD COMBINED WITH ILIZAROV TECHNIQUE**
Qiang SHI, Xu LI (CHINA)



Saturday, 19 September

Hall 11 Maoming

08:30 - 10:00

Free Papers – Trauma: Upper Limb II

Moderators:

José Sérgio FRANCO (BRAZIL), Peixun ZHANG (CHINA)

- 40416 OPERATIVE VERSUS NONOPERATIVE TREATMENT FOR COMPLEX PROXIMAL HUMERAL FRACTURES: A META-ANALYSIS OF RANDOMISED CONTROLLED TRIALS**
Zhiwei JIA, Wei LI, Dike RUAN (CHINA)
- 40536 THE ISOLATED GREATER TUBEROSITY FRACTURE WITH INFERIOR DISPLACEMENT ON THE INITIAL AP VIEW CAN BE A RELIABLE SIGN OF THE UNRECOGNISED HUMERAL NECK FRACTURE**
Xiaoming WU (CHINA)
- 41597 ELASTIC STABLE INTRAMEDULLARY NAILING IN EXTRA-ARTICULAR DISTAL HUMERAL FRACTURES**
Alexander CHELNOKOV, Alexey BAZHENOV (RUSSIA)
- 39170 PROXIMAL HUMERUS FRACTURE TREATED WITH TRANSDeltaT LATERAL (MIPO) APPROACH**
Asen BALTOV¹, Mihail RASHKOV¹, Dian ENCHEV¹, Tabet AL SADEK²
¹(BULGARIA), ²(UNITED ARAB EMIRATES)
- 39751 MINIMALLY INVASIVE PERCUTANEOUS PLATE OSTEOSYNTHESIS (MIPPO) FOR PROXIMAL HUMERUS FRACTURES WITH A T-SHAPE INCISION: A CLINICAL STUDY**
Changqing ZHANG, Sen LIN, Dongxu JIN (CHINA)

- 40986 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, Yunfeng CHEN, Congfeng LUO, Yimin CHAI (CHINA)
- 39634 OPEN REDUCTION AND INTERNAL FIXATION VERSUS RADIAL HEAD ARTHROPLASTY IN THE TREATMENT OF ADULT CLOSED COMMUNUTED RADIAL HEAD FRACTURES (MODIFIED MASON TYPE III AND IV)**
Ghalib AHMED, Salah AL-BURDENI, Yousef ABUODEH, Talal IBRAHIM (QATAR)
- 41521 A STUDY ON TFCC STATUS AFTER VOLAR PLATE FIXATION IN DISTAL RADIUS FRACTURES**
Margaret Woon Man FOK, Boris Kwon Keung FUNG, Kelvin YEUNG, Shew Ping CHOW (HONG KONG, CHINA)
- 39733 INITIAL IMMOBILISATION OF COLLES' FRACTURE IN PATIENTS OLDER THAN 70 YEARS: A RADIAL OR DORSAL BACKSLAB**
Shakir HUSSAIN, Riaz AHMED, Umer BUTT, Robert SPENCER (UNITED KINGDOM)
- 42286 COMPARATIVE STUDY OF PHRENIC AND INTERCOSTAL NERVE TRANSFERS FOR ELBOW FLEXION AFTER GLOBAL BRACHIAL PLEXUS INJURY**
Yuzhou LIU (CHINA)

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

10:30 - 12:00 **Free Papers – Trauma: Upper Limb III**

Moderators:

Jianhai CHEN (CHINA), Mohamed SUKEIK (UNITED KINGDOM)

- 39102 COMPARISON BETWEEN CONSERVATIVE TREATMENT AND PLATING IN MANAGEMENT OF FRACTURE OF SHAFT OF HUMERUS**
Boujaylah AQWUYIDIR (LIBYA)
- 41666 THE VARIABLE ANATOMY OF THE RADIAL NERVE IN THE BRACHIUM: A CADAVERIC STUDY AND REVIEW**
Aparna VISWANATH, Andrew MCKEE (UNITED KINGDOM)
- 41669 THE USE, VERSATILITY AND OUTCOMES OF SPECIALISED HINGED EXTERNAL FIXATOR IN COMPLEX ELBOW TRAUMA**
Rasheed AFINOWI, Sandra Janina BONCZEK, Manjit BHAMRA (UNITED KINGDOM)
- 39287 HINGED EXTERNAL FIXATION FOR REGAN-MORREY TYPES I AND II FRACTURES AND FRACTURE-DISLOCATIONS**
Salvatore D'AMICO, Alberto CASTELLI, Giacomo STRIGINI, Francesco BENAZZO (ITALY)

- 41529 CLINICAL, FUNCTIONAL AND RADIOLOGICAL OUTCOMES FOLLOWING HERBERT SCREW FIXATION OF CAPITELLAR FRACTURES**
Chirag BHATIA, Srikan THALANKI, Rajesh GOEL, Avinash RAI, Ashwin GONDANE, Sumer SINGH (INDIA)
- 39074 COMPARISON BETWEEN CONSERVATIVE TREATMENT AND PLATING IN THE MANAGEMENT OF FRACTURE OF SHAFT OF ULNA**
Boujaylah AQWUYIDIR (LIBYA)
- 41028 VOLAR PLATE FIXATION IN THE TREATMENT OF DISTAL RADIUS FRACTURES**
Bruno CORREIA, Álvaro BOTELHO, Maria Miguel CARVALHO, Pedro MARTINS, Filipe MEDEIROS (PORTUGAL)
- 42373 CURATIVE EFFECT COMPARISON OF DISTAL RADIUS FRACTURES TYPE C: VOLAR LOCKING PLATE VERSUS EXTERNAL FIXATION AND SUPPLEMENTARY K-WIRE FIXATION**
Dong WANG (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Symposium – Trauma: Road Trauma*

Moderators:

Günter LOB (GERMANY), Shanmuganathan RAJASEKARAN (INDIA)

ORGANISATION OF A TRAUMA NETWORK IN NEIGHBOURING COUNTRIES

Hans-Christoph PAPE (GERMANY)

ROAD SAFETY AND INJURY PROJECTS IN BRAZIL

Marcos MUSAFIR (BRAZIL)

INDIAN HIGH COURT AND THE BURDEN OF ROAD TRAUMA

Shanmuganathan RAJASEKARAN (INDIA)

WHAT CAN BE DONE TO LOWER THE BURDEN OF ROAD TRAUMA?

Günter LOB (GERMANY)

HEAD INJURIES IN DEVELOPED, DEVELOPING, AND UNDEVELOPED COUNTRIES – POPULATION-BASED TRENDS SINCE 2010

Dirk STENGEL (GERMANY)

LONG BONE INJURIES IN VICTIMS OF TRAFFIC ACCIDENTS

Sergiy GURYEV, Sergiy SATSYK, Vyacheslav YEVDOSHENKO, Ruslan NATSEVYCH (UKRAINE)

GERIATRIC POLYTRAUMA PATIENTS WITH PELVIC FRACTURE

Shozo KANEZAKI, Masashi MIYAZAKI, Masanori KAWANO, Hiroshi TSUMURA (JAPAN)

ESTIMATED ECONOMIC BURDEN TO UGANDA DUE TO ROAD TRAFFIC CRASHES

Tito BEYEZA (UGANDA)

BLUNT MAJOR ARTERIAL INJURY IN THE EXTREMITY: DEMOGRAPHICS, TREATMENT, AND EARLY OUTCOME

Canbin ZHENG, Qingtang ZHU, Liqiang GU, Xiaolin LIU (CHINA)

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

16:00 - 17:30 *Symposium – Orthopaedics of Disasters & Catastrophes*

Moderator:

Nikolaj WOLFSON (UNITED STATES)

INTRODUCTION AND OVERVIEW

Nikolaj WOLFSON (UNITED STATES)

EARTHQUAKE IN NEPAL 2015

Bachchu Ram KC (NEPAL)

AMPUTATION: HISTORY IN A WAR AND CIVILIAN TRAUMA

Khaled EMARA (EGYPT)

DAMAGE CONTROL IN MASS CASUALTIES AND DISASTERS

Hans-Christoph PAPE (GERMANY)

INFECTION IN DISASTERS

Pavel MEDINSKY (RUSSIA)

ROLE OF EXTERNAL FIXATION

Nikolaj WOLFSON (UNITED STATES)

LIMB SALVAGE VS. AMPUTATION: DO SCORING SYSTEMS WORK?

Shanmuganathan RAJASEKARAN (INDIA)

DISCUSSION



Saturday, 19 September

Hall 12 Shenzhen

08:30 - 10:00

Free Papers – Spine: Degenerative

Moderators:

Dongbin QU (CHINA), Saurabh SINGH (INDIA)

- 39325 ADJACENT SEGMENT DEGENERATION VERSUS DISEASE AFTER LUMBAR SPINE FUSION FOR DEGENERATIVE PATHOLOGY: A SYSTEMATIC REVIEW WITH META-ANALYSIS OF THE LITERATURE**
Chao ZHANG¹, Sigurd BERVEN², Michael WEBER²
¹(CHINA), ²(UNITED STATES)
- 40328 IS LUMBAR FACET JOINT TROPISM DEVELOPMENTAL OR SECONDARY TO REMODELLING CHANGES? AN INTERNATIONAL, LARGE-SCALE MULTI-CENTRE STUDY BY THE AOSAP COLLABORATION CONSORTIUM**
Dino SAMARTZIS¹, Jason Pui Yin CHEUNG¹, Shanmuganathan RAJASEKARAN², Yoshiharu KAWAGUCHI³, Shankar ACHARYA², Mamoru KAWAKAMI³, Shigenobu SATOH³, Wen-Jer CHEN⁴, Chun-Kun PARK⁵, Chong-Suh LEE⁵, Thanit FOOCHAROEN⁶, Hideki NAGASHIMA³, Sunguk KUH⁵, Zhaomin ZHENG⁷, Richard CONDOR⁸, Manabu ITO³, Motoki IWASAKI³, Je Hoon JEONG⁵, Keith Dip Kei LUK¹, Bambang PRIJAMBODO⁹, Amol REGE², Tae-Ahn JAHNG⁵, Zhuojing LUO⁷, Warat Anant TASSANAWIPAS⁶, Rohit POKHAREL¹⁰, Yong SHEN⁷, Takui ITO³, Zhihai ZHANG⁷, Janardhana AITHALA², Gomatam Vijay KUMAR², Rahyussalim Ahmad JABIR⁹, Saumyajit BASU², Baojun LI⁷, Vishal MOUDGIL², Ben GOSS¹¹, Phoebe SHAM¹, Richard WILLIAMS¹¹
¹(HONG KONG, CHINA), ²(INDIA), ³(JAPAN), ⁴(CHINESE TAIPEI), ⁵(SOUTH KOREA), ⁶(THAILAND), ⁷(CHINA), ⁸(PHILIPPINES), ⁹(INDONESIA), ¹⁰(NEPAL), ¹¹(AUSTRALIA)
- 40323 T1 RHO MRI QUANTITATIVE PROTEOGLYCAN PROFILING OF LUMBAR DISC DISPLACEMENT**
Dino SAMARTZIS¹, Henry PANG¹, Edward Sai-Kam HUI¹, Cora BOW¹, Jason Pui Yin CHEUNG¹, Ari BORTHAKUR², Jaro KARPPINEN³, Nozomu INOUE², Keith Dip Kei LUK¹, Kenneth Man-Chee CHEUNG¹
¹(HONG KONG, CHINA), ²(UNITED STATES), ³(FINLAND)
- 40314 NOVEL “UTE MRI DISC SIGN” (UDS) AND ITS CLINICAL RELEVANCE**
Dino SAMARTZIS¹, Henry PANG¹, Edward HUI¹, Cora BOW¹, Jason Pui Yin CHEUNG¹, Ari BORTHAKUR², Nozomu INOUE², Jaro KARPPINEN³, Hai Qiang WANG⁴, Keith Dip Kei LUK¹, Kenneth Man-Chee CHEUNG¹
¹(HONG KONG, CHINA), ²(UNITED STATES), ³(FINLAND), ⁴(CHINA)

- 40559 FLUOROSIS AS A CAUSE OF COMPRESSIVE MYELOPATHY DUE TO OSSIFICATION OF LIGAMENTUM FLAVUM – A RARE ENTITY**
Saurabh SINGH, Hemant BANSAL, Samrat Smrutiranjana SAHOO, Vivek SRIVASTAVA, Kumar PRITESH (INDIA)
- 39215 RISK FACTORS FOR CHRONIC BACKACHE IN ADVANCED COUNTRIES**
Vasudeva S. PAI, Vishal PAI (NEW ZEALAND)
- 39778 SPONTANEOUS IMPROVEMENT OF LUMBOSACRAL ALIGNMENT IN DEGENERATIVE LUMBAR DISEASE WITH SHORT FUSION: IT HAPPENS AND RELATES TO RECIPROCAL CHANGE**
Zezhang ZHU (CHINA)

10:00 - 10:30 *Break*

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

Moderators:

Abdulrahman ALGARNI (SAUDI ARABIA), Huiyong SHEN (CHINA)

- 39742 A CADAVER AND FINITE ELEMENT ANALYSIS OF NEW ANATOMICAL CERVICAL INTERBODY CAGE BASED ON ENDPLATE CURVATURES**
Fan ZHANG (CHINA)
- 40684 IS THE ZERO-PROFILE IMPLANT SUITABLE FOR MULTILEVEL ANTERIOR CERVICAL FUSION: AN INITIAL EXPERIENCE AND ANALYSIS**
Lei LIANG, Huajiang CHEN, Wen YUAN (CHINA)
- 40928 CONSERVATIVE VERSUS SURGICAL TREATMENT FOR SPONDYLOLISTHESIS**
Abdulrahman ALGARNI (SAUDI ARABIA)
- 42354 TREATMENT OF KÜMMELL'S DISEASE VIA TRANSPEDICULAR SUBTRACTION AND DISC RESECTION OSTEOTOMY**
Xuesong ZHANG (CHINA)
- 42353 SELECTIVE DECOMPRESSION OF NERVE ROOT UNDER DIRECT VISION FOR DEGENERATIVE LATERAL LUMBAR SPINAL STENOSIS IN ELDERLY PATIENTS**
Shiqing FENG (CHINA)
- 41649 THE MODIFIED METHOD OF A LUMBAR-SACRAL SPONDYLODESIS**
Andrei MAZURENKA, Alexander BELETSKY, Sergei MAKAREVICH (BELARUS)
- 40479 A DIAGNOSTIC STUDY OF THORACIC MYELOPATHY DUE TO OSSIFICATION OF LIGAMENTUM FLAVUM**
Fabo FENG, Zhongqiang CHEN, Chuiguo SUN (CHINA)

- 40426 SIGNIFICANCE OF LIGAMENTUM FLAVUM HYPERTROPHY IN DEVELOPMENTAL SPINAL STENOSIS**
Jason Pui Yin CHEUNG, Prudence Wing Hang CHEUNG, Dino SAMARTZIS, Vivian TAM, Victor Yu-Leong LEUNG, Kenneth Man Chee CHEUNG (HONG KONG, CHINA)
- 40678 THE DIFFERENTIAL EFFECT OF MATRIX ELASTICITY ON CARTILAGE ENDPLATE-DERIVED STEM CELLS BEHAVIOUR DURING DISC DEGENERATION**
Minghan LIU, Yue ZHOU (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

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

Moderators:
Hitesh GOPALAN (INDIA), Huilin YANG (CHINA)

- 40981 EFFECT OF CORTICOSTEROIDS INFILTRATION ON THE SEDATION OF THE PAINFUL SYMPTOMATOLOGY IN THE LUMBAGO-SCIATICA: PROSPECTIVE STUDY OF 37 CASES**
Amine HAMZA, Chanez AIT ALI (ALGERIA)
- 41349 ROLE OF END PLATE FAILURE IN SYMPTOMATIC LUMBAR DISC HERNIATION**
Madan Mohan SAHOO, Sudhir MAHAPATRA, Jitendra SARANGI (INDIA)
- 41788 THE IDENTIFICATION OF STEM CELLS IN THE DEGENERATIVE HUMAN NUCLEUS PULPOSUS**
Xuefeng LI, Weimin JIANG, Huilin YANG (CHINA)
- 42295 A COMPARATIVE STUDY OF FULL-ENDOSCOPIC DISCECTOMY AND MICROENDOSCOPIC DISCECTOMY FOR THE SURGICAL TREATMENT OF L5/S1 DISC HERNIATION**
Qun YANG (CHINA)
- 41936 INTERSPINOUS STABILISATION, AN EFFECTIVE AND SAFE PROCEDURE – STUDY OF THE FIRST 100 CASES OF “FLEXIS” WITH A FOLLOW-UP LONGER THAN 6 YEARS**
Sami KHALIFE (FRANCE)
- 40688 ANALYSIS OF OUTCOME OF TRANSLUMBAR INTERBODY FUSION IN THE MANAGEMENT OF SPONDYLOLISTHESIS**
Vamsi Krishna KOMMOJU, Dinesh CHOUDARY (INDIA)

39300 LENKE 5C CURVES IN ADOLESCENT IDIOPATHIC SCOLIOSIS: ANTERIOR VS. POSTERIOR SELECTIVE FUSION

Yulei DONG, Hong ZHAO, Xisheng WENG (CHINA)

41738 A REVIEW OF THE SURGICAL MANAGEMENT OF SACRAL METASTASES OVER A 10-YEAR PERIOD IN A TERTIARY INSTITUTION AND REVIEW OF THE LITERATURE

Evelyn MURPHY, Sudarshan MUNIGANGAIAH, Mutaz JADAAN, Aiden DEVITT, John MCCABE (IRELAND)

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

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

Moderators:

Evalina BURGER (UNITED STATES), Hong XIA (CHINA)

39121 OUTCOME OF SINGLE LEVEL DISC PROLAPSE TREATED WITH TRANSFORAMINAL STEROID VERSUS EPIDURAL STEROID VERSUS CAUDAL STEROIDS

Ayush SHARMA, Vijay SINGH, Tarun CHABRA, Prashant KAMBLE, B. NATRAJ, Darshan DEVANI (INDIA)

40356 THE ASSOCIATION OF MODIC CHANGES WITH SEVERE AND DISABLING LOW BACK PAIN: A LARGE-SCALE POPULATION-BASED STUDY

Dino SAMARTZIS¹, Juhani MÄÄTTÄ², Jaro KARPPINEN², Markus PAANANEN², Cora BOW¹, Keith Dip Kei LUK¹, Kenneth Man-Chee CHEUNG¹

¹(HONG KONG, CHINA), ²(FINLAND)

39935 AN INTERNATIONAL, LARGE-SCALE MULTI-CENTRE STUDY ASSESSING THE ROLE OF FACET JOINT ANGULATION AND TROPISM WITH THE DEVELOPMENT OF LUMBAR DEGENERATIVE SPONDYLOLISTHESIS – A STUDY FROM THE AOSAP RESEARCH COLLABORATION CONSORTIUM

Dino SAMARTZIS¹, Jason Pui Yin CHEUNG¹, Shanmuganathan RAJASEKARAN², Yoshiharu KAWAGUCHI³, Shankar ACHARYA², Mamoru KAWAKAMI³, Shigenobu SATOH³, Wen-Jer CHEN⁴, Chun-Kun PARK⁵, Chong-Suh LEE⁵, Thanit FOOCHAROEN⁶, Hideki NAGASHIMA³, Sunguk KUH⁵

¹(HONG KONG, CHINA), ²(INDIA), ³(JAPAN), ⁴(CHINESE TAIPEI), ⁵(SOUTH KOREA), ⁶(THAILAND)

39566 ANATOMIC POSITION OF L5 VERTEBRA RELATIVE TO THE ILIAC CRESTS MAY INFLUENCE THE ACCURACY OF PERCUTANEOUSLY PLACED PEDICLE SCREW IN LUMBOSACRAL JUNCTION

Jing GUO, Lianjin GUO, Juzhou GAO, Zhixun YIN, Zhiyong GUO, Erxing HE (CHINA)

- 41097 WHAT IS THE CLINICAL RELEVANCE OF NON-UNION AFTER LUMBAR ARTHRODESIS? A META-ANALYSIS OF THE YODA PROJECT DATABASE**
Evalina BURGER, Andriy NOSHCHENKO, Emily LINDLEY, Christopher CAIN, Vikas PATEL (UNITED STATES)
- 39152 PREVALENCE OF TARSAL TUNNEL SYNDROME IN PATIENTS WITH LUMBOSACRAL RADICULOPATHY**
Chaojun ZHENG, Jianyuan JIANG, Feizhou LU, Xiang JIN (CHINA)
- 41396 A COMPARISON OF POSTERIOR LUMBAR INTERBODY FUSION AND TRANSFORAMINAL LUMBAR INTERBODY FUSION: A LITERATURE REVIEW AND META-ANALYSIS**
Yongxin REN, Qunhu ZHANG, Zhen YUAN, Min ZHOU, Huan LIU, Yong XU (CHINA)
- 40211 CLINICAL STUDY OF MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION WITH UNILATERAL OR BILATERAL PEDICLE SCREW FIXATION**
Yu LIANG, Wenjian WU, Xinkai ZHANG, Hongwei TANG, Peng CAO (CHINA)
- 41141 FACET JOINT ORIENTATION AND SAGITTAL SPINOPELVIC ALIGNMENT IN PATIENTS WITH DEGENERATIVE LUMBAR SCOLIOSIS**
Xuhua LU (CHINA)
- 41674 3D MORPHOMETRIC ANALYSIS OF NORMAL SACROILIAC JOINTS: A NEW CLASSIFICATION OF SURFACE SHAPE VARIATION**
Evalina BURGER, Christopher KLECK, Mary JESSE, Damian ILLING, Adam WILLIAMS, Brian PETERSEN, Kenneth MILLIGAN, Deborah GLUECK, Kimberly LIND, Vikas PATEL (UNITED STATES)



Saturday, 19 September

Hall 13 Shantou

08:30 - 10:00

Short Oral Presentations – Trauma - Pelvis & Miscellaneous

Moderators:

Maher HALAWA (EGYPT), Peifu TANG (CHINA)

39217 THA IN ACETABULAR FRACTURES

Maher HALAWA (EGYPT)

41685 ACUTE TREATMENT OF ACETABULAR FRACTURES

Masafumi KISHIMOTO, Jun OKAMOTO (JAPAN)

- 41792 TECHNICAL ERROR RELATED TO UNUSUAL STRESS RISER FRACTURES**
Jihyo HWANG (SOUTH KOREA)
- 40321 LATERAL-RECTUS APPROACH AND ILIAC ARTERY EMBOLISATION FOR TREATMENT OF SACRAL FRACTURE WITH SACRAL NERVE DAMAGE**
Shicai FAN, Guang XIA, Xiaodong YANG (CHINA)
- 40462 MODIFIED SUBINGUINAL APPROACH IN THE TREATMENT OF ACETABULAR FRACTURES: AN ANATOMICAL STUDY AND CLINICAL EVALUATION**
Xiaodong QIN (CHINA)
- 41124 MODIFIED STOPPA APPROACH COMBINED WITH ILIAC CREST APPROACH FOR THE TREATMENT OF ACETABULAR FRACTURES: A RETROSPECTIVE REVIEW OF 42 PATIENTS**
Yue FANG (CHINA)
- 40157 PRELIMINARY CLINICAL OBSERVATION ON TREATMENT OF COMPLEX DISTAL FEMUR FRACTURE BY RETROGRADE INTERLOCKING INTRAMEDULLARY NAIL COMBINED WITH LOCK PLATES**
Zhidong CAO, Dianming JIANG, Jingyue GOU (CHINA)
- 42441 CLINICAL STUDY OF MINIMALLY INVASIVE TREATMENT FOR UNSTABLE PELVIC RING INJURIES USING MODIFIED STOPPA INCISION COMBINED WITH PERCUTANEOUS SACROILIAC FIXATION**
Longpo ZHENG (CHINA)
- 42440 AN IMPROVED BENDING PLATE FOR SACRAL DENIS II FRACTURES**
Wei WANG, Jun YANG (CHINA)
- 42439 SAFE ZONE FOR SCREW INSERTION IN THE TREATMENT OF THE COMMUNUTED QUADRILATERAL PLATE FRACTURE INVOLVING ACETABULAR FOSSA: AN ANATOMICAL STUDY AND CLINICAL EVALUATION**
Chengla YI (CHINA)
- 42438 COMPARATIVE STUDY ON THE ENDOBUTTON DEVICE FIXATION AND RECONSTRUCTION PLATE FIXATION IN THE TREATMENT OF PUBIC SYMPHYSIS DIASTASIS**
Jianjun HONG (CHINA)
- 42437 THE SIGNIFICANCE OF DOUBLE-OBlique MPR IN THE DECISION-MAKING PROCESS OF THE TREATMENT IN SACRAL FRACTURE WITH NEUROLOGICAL DAMAGE**
Lifeng DING, Jun YANG, Wei WANG, Wang ZHAN, Xudong GAO, Shiyang QIU (CHINA)
- 42436 LUMBOPELVIC FIXATION AND SACRAL DECOMPRESSION FOR U-SHAPED SACRAL FRACTURES: SURGICAL MANAGEMENT AND EARLY RESULTS**
Lin CAI, Yuanlong XIE, Ansong PING, Jun LEI, Zhouting DENG, Chao HU, Bing RAN (CHINA)

42435 THE EFFECT OF THREE-DIMENSIONAL PRINTING MODELING FOR TREATING COMPLEX ACETABULAR FRACTURES – A RANDOMISED PROSPECTIVE STUDY

Hu WANG, Kun ZHANG (CHINA)

42434 ILIOINGUINAL APPROACH AND INFRAPECTINEAL PLATE FIXING POSTERIOR COLUMN FOR COMPLEX ACETABULAR FRACTURES

Hu WANG (CHINA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Short Oral Presentations – Research II*

Moderators:

Minjun HUANG (CHINA), Christopher O'DOWD-BOOTH (UNITED KINGDOM)

41160 THE INFLUENCE OF THE -1997 G/T POLYMORPHISM OF COL1A1 GENE ON THE BIOCHEMICAL FUNCTION OF OSTEOBLASTS

Fei CAO, Bin SHEN (CHINA)

39857 ROLES OF MICRORNA-381 IN LATE STAGE CHONDROGENESIS AND INTERLEUKIN-1- β INDUCED CHONDROCYTE RESPONSES

Ziji ZHANG, Changhe HOU, Weiming LIAO (CHINA)

40294 CARTILAGE OLIGOMERIC MATRIX PROTEIN AND HYALURONIC ACID ARE SENSITIVE SERUM BIOMARKERS FOR EARLY CARTILAGE LESIONS IN THE KNEE JOINT

Qiang JIAO, Xiaochun WEI, Lei WEI (CHINA)

39950 ENDOGENOUS STEM CELL CHEMOTATIC HOMING FOR IN SITU CARTILAGE REGENERATION

Li JIANG, Jianyuan JIANG (CHINA)

40102 INJECTABLE CITRATE-BASED BIOADHESIVE BONE IMPLANTS FOR COMMINUTED BONE FRACTURE

Denghui XIE, Xiaochun BAI (CHINA)

40997 FABRICATION AND SPECIAL FUNCTIONS OF SCAFFOLDS CARRYING ANTI-TUBERCULOSIS DRUG

Dawei LI, Yuanzheng MA (CHINA)

40590 EXPERIMENTAL STUDY ON THE RELEASE PERFORMANCE OF RESORBABLE MATERIAL LOADED WITH ANTI-TUBERCULOSIS DRUGS IN A SPINAL TUBERCULOSIS MODEL

Qian WANG¹, Zili WANG², Xiaoming CONG², Jiangdang SHI², Guangqi GENG², Haitao LIU²

¹(UNITED STATES), ²(CHINA)

- 40336 IN VIVO STUDY OF A NOVEL MAGNESIUM COMPOSED PLGA/TCP POROUS SCAFFOLD FABRICATED BY 3D PRINTING FOR BONE REGENERATION**
Ye LI, Huijuan CAO, Long LI, Xinluan WANG, Yuxiao LAI, Ling QIN (CHINA)
- 40963 ORTHOPAEDIC SIMULATION: PAST, PRESENT AND FUTURE**
Christopher O'DOWD-BOOTH (UNITED KINGDOM)
- 42413 INTERLEUKIN-18 INDUCES INFLAMMATORY RESPONSE OF CHONDROCYTES AND OSTEOARTHRITIC CHANGES IN KNEE JOINTS**
Zhaozong FU, Zhongxian CHEN, Hongjun LEI, Chaohua FU, Ying QIN (CHINA)
- 42412 PROTEOMIC ANALYSIS OF SYNOVIAL FLUID: INSIGHT INTO THE PATHOGENESIS OF KNEE OSTEOARTHRITIS**
Weixiong LIAO, Zhongli LI, Hongli WANG, Jie WANG, Yangmu FU, Xiaowei BAI (CHINA)

12:00 - 12:30 *Plenary Lecture – Wei Guo (in Hall 1 Lingnan)*

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 *Break*

14:00 - 15:30 *Short Oral Presentations – Research III*

Moderators:
Darya TESAKOVA (BELARUS), Liang WANG (CHINA)

- 39710 DIFFERENTIATION OF HUMAN AMNIOTIC EPITHELIAL CELLS INTO SCHWANN-LIKE CELLS VIA INDIRECT CO-CULTURE WITH SCHWANN CELLS IN VITRO**
Shuang ZHU, Xiaolin LIU, Jianping XIANG, Qintang ZHU, Xiang ZHOU, Jiachun LI, Bo HE (CHINA)
- 39809 C-JUN GENE-MODIFIED SCHWANN CELLS: UP-REGULATING MULTIPLE NEUROTROPHIC FACTORS AND PROMOTING NEURITE OUTGROWTH**
Liangliang HUANG (CHINA)
- 41713 CORTICAL EVALUATION BY MIRCO-CT OF HIGH-QUALITY BONE REGENERATION IN RAT FEMORAL DISTRACTION OSTEOGENESIS MODEL TREATED WITH NELL1**
Aiyuan WANG, Jing XUE, Jiang PENG, Mei YUAN, Quanyi GUO, Xinli ZHANG, Shibi LU (CHINA)

- 40603 STUDY OF THE GEOMETRY OF FEMORAL TROCHLEAR GROOVE WITH COMPUTED TOMOGRAPHY**
Bin SHEN (CHINA)
- 41596 ORTHOPAEDIC SPINAL DEFORMITY IN THE REPUBLIC OF BELARUS: PROSPECTS FOR DIAGNOSIS AND TREATMENT**
Darya TESAKOVA, Alexander BELETSKY, Dmitry TESAKOV, Alyaksandar MUKHLIA, Leonid LOMAT (BELARUS)
- 39389 SUPPRESSION OF INFLAMMATION AND OXIDATIVE STRESS BY TETRAHYDROCURCUMIN PROTECTS AGAINST SKIN FLAP ISCHEMIA-REPERFUSION INJURY VIA NF-KAPPAB SIGNALING PATHWAY**
Heng YU, Dingsheng LIN (CHINA)
- 40732 PRECISE SURGERY OF COMPLICATED TIBIAL PLATEAU FRACTURE ASSISTED BY 3D IMPLANT LIBRARY AND 3D-PRINTED NAVIGATIONAL TEMPLATE**
Huajun HUANG, Canjun ZENG, Hanbin OUYANG, Wenhua HUANG (CHINA)
- 41424 INTRA-ARTICULAR HYALURONIC ACID THROUGH PATELLA MEDIAL APPROACH PREFERABLE FOR CHONDROMALACIA PATELLAE**
Jun XIAO, Zhanjun SHI, Yuqiang LUO (CHINA)
- 40075 EFFECTIVENESS AND SAFETY OF ENDOSCOPIC VERSUS OPEN CARPAL TUNNEL DECOMPRESSION**
Long CHEN, Xiang ZHOU (CHINA)
- 39385 A CRITICAL ROLE OF ABNORMAL LEPTIN BIOAVAILABILITY IN THE ETIOLOGY OF ADOLESCENT IDIOPATHIC SCOLIOSIS**
Weiguo ZHU (CHINA)
- 41546 CSF2 INCREASES THE OSTEOBLAST PROLIFERATION INDUCED BY IL3 THROUGH AKT/PI3K SIGNALING**
Yang LIU, Fuguo HUANG (CHINA)

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

16:00 - 17:30 **Short Oral Presentations – Research IV**

Moderators:

Wenhao WANG (CHINA), Denghui XIE (CHINA)

- 41270 TAP73 SWITCH AUTOPHAGY ROLE ON OSTEOSARCOMA CHEMOSENSITIVITY**
Hai LU, Zhongmin ZHANG, Qingchu LI, Dadi JIN (CHINA)
- 41267 CK2 PROMOTE OSTEOSARCOMA CANCER STEM CELLS BY PHOSPHORYLATION OF TAP73**
Hai LU, Qingchu LI, Zhongmin ZHANG, Haomiao LI, Dadi JIN (CHINA)

- 41058 BRAIN PLASTICITY OF PATIENTS WITH ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Dongliang SHI, Yan QI, Xuan YANG (CHINA)
- 40727 NATIONAL REPRESENTATION IN THE SPINE LITERATURE: A BIBLIOMETRIC ANALYSIS OF HIGHLY CITED SPINE JOURNALS**
Fan DING (CHINA)
- 41163 THE EFFECT OF THE -1997G/T POLYMORPHISM OF COL1A1 GENE ON THE BMD OF THE POSTMENOPAUSAL WOMEN IN SOUTH WEST CHINA**
Fei CAO, Bin SHEN (CHINA)
- 40605 NOVEL EXPERIMENTAL SCOLIOSIS MODEL IN IMMATURE RAT BY MODIFIED HEMICIRCUMFERENTIAL EPIPHYSIODESIS**
Jun YAN, Yanping ZHENG, Ka LI, Jianmin LI (CHINA)
- 39216 ASSOCIATION OF GENE POLYMORPHISMS IN COL1A1 AND COL12A1 GENES WITH ACL TEARS – A STUDY IN THE INDIAN POPULATION**
Rakesh JOHN, Mandeep Singh DHILLON, Sharad PRABHAKAR (INDIA)
- 40698 THE EFFECT OF POST-INJURY HYPERGLYCEMIA ON FUNCTIONAL RECOVERY AFTER SPINAL CORD INJURY IN RATS**
Xiaoliang WU¹, Femke STREIJGER², Jie LIU², Wolfram TETZLAFF²
¹(CHINA), ²(CANADA)
- 40091 PLATE FIXATION FOR EXTRA-ARTICULAR DORSALLY COMMINUTED DISTAL RADIUS FRACTURE: A BIOMECHANICAL COMPARISON BETWEEN VOLAR PLATING AND DORSAL PLATING**
Xiang ZHOU (CHINA)
- 41293 CITRATE MECHANISM IN CARTILAGE MINERALISATION AND BONE FORMATION BY REGULATING MTORC1 SIGNALING**
Denghui XIE¹, Xu LI¹, Dadi JIN¹, Xiaochun BAI¹, Jian YANG²
¹(CHINA), ²(UNITED STATES)
- 41130 ANALYSING THE BEHAVIOUR OF A POROUS NANO-HYDROXYAPATITE/ POLYAMIDE 66 (N-HA/PA66) COMPOSITE FOR HEALING OF BONE DEFECTS**
Hong DUAN (CHINA)
- 41103 KNOCKDOWN OF SOX18 EXPRESSION SUPPRESSED THE PROLIFERATION AND METASTASIS, BUT INDUCED THE APOPTOSIS OF OSTEOSARCOMA CELLS**
Fan ZHANG (CHINA)
- 39371 DOSE-RESPONSE ESTROGEN PROMOTES OSTEOGENIC DIFFERENTIATION VIA GPR40 (FFAR1) IN MURINE BMMSCS**
Bo GAO, Yaqian HU, Liu YANG, Zhuojing LUO (CHINA)



Saturday, 19 September

Hall 14 Qingyuan

08:30 - 10:00

Short Oral Presentations – Tumours

Moderators:

Dariusz GOURAN SAVADKOOHI (IRAN), Haomiao LI (CHINA)

- 41450 RECONSTRUCTION WITH SCAPULAR HEMIARTHROPLASTY
ENDOPROTHESIS AFTER SCAPULECTOMY FOR MALIGNANT TUMOUR**
Li MIN, Chongqi TU (CHINA)
- 41416 PATHOLOGICAL FRACTURE IN HIP REGION: WHAT IS UNIQUE?**
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)
- 41408 THE CLINICAL APPLICATION OF RADIO-FREQUENCY IN METASTATIC
TUMOUR OF THE SACRUM**
Xiaojun MA (CHINA)
- 41317 CLINICAL EVALUATION OF LOWER ABDOMINAL AORTA BALLOON
OCCLUSION IN PELVIC OR SACRAL TUMOURS RESECTION**
Yi LUO (CHINA)
- 41232 THE USE OF MEGAPROTHESIS IN PROXIMAL HUMERAL TUMOURS**
Edward Jay Patrick SALAO, Richard ROTOR, Rafael CLAUDIO (PHILIPPINES)
- 41133 CLINICAL ANALYSIS OF ZOLEDRONIC ACID AND IBANDRONATE IN THE
TREATMENT OF METASTATIC BONE DISEASE**
Hong DUAN (CHINA)
- 40694 PELVIC TUMOUR RESECTION AND RECONSTRUCTION IN I-IV AREA**
Xinghua SONG, Zheng TIAN, Jiangtao CHEN, Chong WANG, Leilei XU,
Liwen DING (CHINA)
- 40486 CLINICAL CHARACTERISTICS AND TREATMENT OUTCOME OF CHINESE
NASOPHARYNGEAL CARCINOMA SKELETAL METASTATIC CASES**
Haomiao LI, Bo WANG, Zixiong LEI, Dadi JIN (CHINA)
- 40485 RESECTION ARTHROPLASTY VS. RESECTION ARTHRODESIS: WHICH ONE
WOULD BE FUNCTIONALLY BETTER IN AGGRESSIVE GIANT CELL (GCT)
TUMOUR OF DISTAL RADIUS?**
Dariusz GOURAN SAVADKOOHI, Ehsan PENDAR, Mohammad
SAVADKOOHI, Babak SIAVASHI (IRAN)

- 40301 ONCOLOGICAL AND FUNCTIONAL OUTCOME FOLLOWING SURGICAL TREATMENT FOR SACRAL CHORDOMA: A LONG-TERM FOLLOW-UP STUDY OF 115 CONSECUTIVE PATIENTS**
Tao JI, Wei GUO, Rongli YANG, Xiaodong TANG, Yi YANG, Yifei WANG (CHINA)
- 40178 GROWTH INHIBITORY EFFECTS AND MECHANISM OF ATRA COMBINED WITH IFN- β AND GRIM-19 AND STAT3 ON HUMAN OSTEOSARCOMA CELL LINE**
Yan ZHANG, Jiazhen LI (CHINA)
- 40920 LEIOMYOSARCOMA OF BONE – A CONCISE REVIEW OF LITERATURE**
Philipp Theodor FUNOVICS, Madeleine WILLEGGGER, Stephan BRÖNIMANN, Joannis PANOTOPOULOS, Reinhard WINDHAGER (AUSTRIA)
- 40856 ANALYSIS OF CLINICAL DIAGNOSIS AND TREATMENT OF EASY-TO-MISDIAGNOSIS TELANGIECTATIC OSTEOSARCOMA**
Junqiang YIN, Jingnan SHEN, Gang HUANG, Jin WANG, Weihai LIU (CHINA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Short Oral Presentations – Minimally Invasive Surgery & Spine I*

Moderators:

Huajiang CHEN (CHINA), Jianting CHEN (CHINA)

- 40156 COMPARISON OF SURGICAL OUTCOMES BETWEEN BLADE RETRACTOR MINIMAL ACCESS MICRODISCECTOMY AND MICROENDOSCOPIC DISCECTOMY FOR LUMBAR DISC HERNIATION: A PROSPECTIVE RANDOMISED STUDY WITH SURGERY PERFORMED BY THE SAME SPINE SURGEON**
Tao LI (CHINA)
- 40087 TREATMENT OF LUMBAR DEGENERATIVE DISEASE BY MICROENDOSCOPY-ASSISTED MINIMALLY INVASIVE VERSUS OPEN TRANSFORAMINAL LUMBAR INTERBODY FUSION: A RETROSPECTIVE STUDY WITH TWO-YEAR FOLLOW-UP**
Limin RONG (CHINA)
- 40000 PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY: THE COMPLICATIONS AND PREVENTIVE STRATEGIES**
Changqing LI (CHINA)
- 39620 PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY VIA TRANSILIAC APPROACH FOR L5/S1 DISC HERNIATION WITH HIGH ILIAC CREST**
Qingquan KONG (CHINA)

- 39543 NEW INSTRUMENT FOR PERCUTANEOUS POSTEROLATERAL LUMBAR FORAMINOPLASTY: CASE SERIES OF 134 WITH INSTRUMENT DESIGN, SURGICAL TECHNIQUE AND OUTCOMES**
Zhenzhou LI (CHINA)
- 40006 AXIAL LUMBAR INTERBODY FUSION (AXIALIF) PLUS POSTERIOR MICROENDOSCOPIC LUMBAR DISCECTOMY FOR LUMBOSACRAL DEGENERATIVE DISEASES**
Wenjun WANG (CHINA)
- 39191 ANATOMICAL RELATION BETWEEN S1 SACROILIAC SCREWS' ENTRANCE POINTS AND SUPERIOR GLUTEAL ARTERY**
Yong ZHAO (CHINA)
- 40160 A MINIMALLY INVASIVE SURGICAL STRATEGY FOR THORACIC METASTATIC TUMOUR ACCOMPANIED WITH NEUROLOGIC COMPRESSION**
Yutong GU¹, Jian DONG², Xiaoxing JIANG¹, Feng ZHANG², Robot MCGUIRE²
¹(CHINA), ²(UNITED STATES)
- 39972 BIOMECHANICAL ANALYSIS OF A NEW PEDICLE SCREW AND PLATE SYSTEM FOR MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION**
Jie LI, Yue ZHOU (CHINA)
- 42407 THE ANALYSIS OF PERCUTANEOUS FULL ENDOSCOPIC DISCECTOMY COMBINED WITH LOCAL APPLICATION OF STEROID IN LUMBAR DISC HERNIATION: A PROSPECTIVE, RANDOMISED, CONTROLLED TRIAL**
Yi JIANG (CHINA)
- 42406 LOCAL BONE AUTOGRAFT FOR MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION: CLINICAL AND RADIOGRAPHIC OUTCOMES**
Yu LIANG, Wejian WU (CHINA)
- 42405 COMPUTER-ASSISTED, MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION: ONE SURGEON'S LEARNING CURVE**
Yunfeng XU, Wei TIAN, Bo LIU, Qin LI, Guilin ZHANG, Da HE, Qiang YUAN, Ning YUAN, Zhao LANG (CHINA)
- 42404 CASE REPORT: SURGICAL TREATMENT FOR A PARAPLEGIC PATIENT INDUCED BY CONGENITAL FACTOR X DEFICIENCY**
Tianbing WANG, Weicheng LIN, Jing ZHOU, Wei HUANG (CHINA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 **Break**

14:00 - 15:30 **Short Oral Presentations – Miscellaneous**

Moderators:

Muhammad Jamil SABIT (PAKISTAN), Jie ZHAO (CHINA)

41429 PERCUTANEOUS BALLOON KYPHOPLASTY FOR OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES IN PATIENTS WITH CHRONIC LIVER DISEASE

Rugang ZHAO, Qiang ZHANG (CHINA)

41302 EPIDUROSCOPY IN PATIENTS WITH FAILED BACK SURGERY SYNDROME

Muhammad Jamil SABIT¹, Mert AKBAS²
¹(PAKISTAN), ²(TURKEY)

41280 TOPHACEOUS GOUT OF THE SPINE: THE VALUE OF MRI AND CT IN ESTABLISHING A DIAGNOSIS

Hai LU, Hui ZHANG (CHINA)

41125 KYPHOPLASTY USING ‘TEMPERATURE GRADIENT INJECTION TECHNIQUE’ FOR THE TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES

Liu TAO, Huilin YANG (CHINA)

41116 EFFECT OF OSTEOPOROTIC FACTORS ON INTERNAL FIXATION OUTCOMES IN PATIENTS WITH LUMBAR DEGENERATIVE DISEASES

Ning ZHANG, Lipeng YU, Guoyong YIN (CHINA)

41112 METHYLPREDNISOLONE CAN PREVENT THE ACUTE PHASE RESPONSE OF ZOLEDRONIC ACID IN ORTHOPAEDIC PATIENT AFTER SURGERY WITHOUT WEAKENING THE EFFECT AFTER ONE YEAR

Lipeng YU, Jian CHEN, Ning ZHANG, Guoyong YIN (CHINA)

39739 RELATION BETWEEN SELF-IMAGE SCORE OF SRS-22 WITH DEFORMITY MEASURES IN FEMALE ADOLESCENT IDIOPATHIC SCOLIOSIS PATIENTS

Yipeng WANG, Liang WANG, Bin YU, Jianguo ZHANG, Jianxiong SHEN, Guixing QIU (CHINA)

39542 EVALUATION OF ENDOSCOPIC DORSAL RAMUS RHIZOTOMY IN MANAGING FACETOGENIC CHRONIC LOW BACK PAIN

Zhenzhou LI (CHINA)

41506 VALIDATION OF THE CHINESE VERSION OF THE MD ANDERSON SYMPTOM INVENTORY – SPINE TUMOUR MODULE

Nanfeng XU, Zhehuang LI, Feng WEI, Liang JIANG, Xiaoguang LIU, Dang LEI, Fengliang WU, Zhongjun LIU (CHINA)

- 40833 ACCURACY OF JOA SCORE BASED ON PATIENT RECALL OVER A TWO-YEAR PERIOD**
Nanfang XU, Miao YU, Shaobo WANG, Jiang LIANG, Feng WEI, Zhongjun LIU (CHINA)
- 41009 ELEVATED POSTOPERATIVE BLOOD GLUCOSE AND HEMOGLOBIN A1C ARE ASSOCIATED WITH INCREASED PERIPROSTHETIC JOINT INFECTION FOLLOWING TOTAL JOINT ARTHROPLASTY**
Weidong XU, Xuan HUANG (CHINA)
- 40561 THE POSTOPERATIVE ANALGESIA EFFECT OF IBUPROFEN AND TRAMADOL IN SUPRACONDYLE FRACTURE OF HUMERUS IN CHILDREN**
Guanghui ZHU, Haibo MEI, Kun LIU, Jiangyan WU, Jin TANG (CHINA)
- 40509 EVALUATION OF ASSESSMENT OF CAREGIVER EXPERIENCE WITH NEUROMUSCULAR DISEASE (ACEND): RELIABILITY AND RESPONSIVENESS OF A NEW CAREGIVER-REPORTED OUTCOME MEASURE IN PATIENTS WITH CEREBRAL PALSY (CP)**
Nanfang XU, Hiroko MATSUMOTO, Julie YOSHIMACHI, Heakyung KIM, Joseph DUTKOWSKY, Joshua HYMAN, Benjamin ROYE, Michael VITALE, David ROYE (UNITED STATES)
- 40120 MULTIPLE OSTEONECROSIS IN ADOLESCENTS AND YOUNG ADULTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS: A CASE SERIES**
Yuhang GAO (CHINA)
- 40118 EFFECTS OF METFORMIN ON OSTEOCLAST DIFFERENTIATION IN VITRO**
Ming LU, Haomiao LI, Zixiong LEI, Shuangwu DAI, Dadi JIN (CHINA)

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

16:00 - 17:30 **Short Oral Presentations – Arthroscopy & Sports Medicine III**

Moderators:

Farrukh USMONOV (UZBEKISTAN), Wentao ZHANG (CHINA)

- 39163 ARTHROSCOPIC SINGLE-BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING QUADRUPLED HAMSTRING TENDON AUTOGRAFT BY ANTEROMEDIAL TRANSPORTAL TECHNIQUE – A PROSPECTIVE STUDY**
Dilip Chand Raja RAJA, Rajesh PURUSHOTAMAN, Sabin SURENDRAN (INDIA)
- 40935 CLINICAL OUTCOMES FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION UTILISING HAMSTRING TENDON AUTOGRAFTS**
Fares UDDIN, Fahad AL-KHALIFA, Naif ALHAMAM, Abdulla ALJAWDER, Rashad ABUBARIS, Rashid HAMEED (BAHRAIN)

- 41005 OUR EXPERIENCE OF ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH SEMITENDINOSUS AND GRACILIS TENDONS**
Farrukh USMONOV, Mirkhakim AZIZOV, Murodjon IRISMETOV (UZBEKISTAN)
- 41887 IPSILATERAL BONE-PATELLAR TENDON-BONE REHARVEST AUTOGRAFT IN REVISION ACL RECONSTRUCTION**
Haytham ABDEL-MONEIM, Ahmed ELGUINDY (EGYPT)
- 41415 COMPARATIVE STUDY ON SINGLE-BUNDLE AND ANATOMIC 4-TUNNEL DOUBLE-BUNDLE POSTERIOR CRUCIATE LIGAMENT RECONSTRUCTIONS**
Jiakuo YU, Yingfang AO (CHINA)
- 39892 ENHANCED SUTURE REPAIR FOR ANTERIOR CRUCIATE LIGAMENT RUPTURE**
Lei SUN (CHINA)
- 41825 EVALUATION OF PIVOT SHIFT IN ACL DEFICIENT KNEES**
Mustapha Usman IBRAHIM¹, J.V.S. VIDYASAGAR²
¹(NIGERIA), ²(INDIA)
- 39803 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: ANTEROMEDIAL PORTAL VERSUS TRANSTIBIAL DRILLING TECHNIQUES**
Xinghuo ZHANG, Yakui ZHANG (CHINA)
- 40976 ALL-EPIPHYSEAL ANATOMIC SINGLE-BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN SKELETALLY IMMATURE PATIENTS**
Xuan HUANG, Zimin WANG (CHINA)
- 41385 ANATOMIC RECONSTRUCTION OF ANTEROLATERAL LIGAMENT COMBINED WITH ANTERIOR CRUCIATE LIGAMENT USING THE SAME HAMSTRING AUTOGRAFT: TECHNIQUE REPORT**
Zimin WANG, Xuan HUANG, Zhe LU (CHINA)
- 39673 A NOVEL ALL-ARTHROSCOPIC PCL TIBIAL INLAY RECONSTRUCTION**
Jian LI (CHINA)
- 39890 COMBINED RECONSTRUCTION OF INTRA-ARTICULAR AND EXTRA-ARTICULAR LIGAMENTS FOR TREATMENT OF MULTIPLE-LIGAMENT INJURED KNEE**
Lei SUN, Bo WU (CHINA)
- 39644 COMBINED RECONSTRUCTION OF MCL WITH PCL USING BILATERAL HAMSTRING TENDONS IN ACUTE KNEE INJURY MANAGEMENT: A MINIMUM 1-YEAR FOLLOW-UP STUDY**
Pandian SELVARAJ, Ravi Sankar KIRUBANANDAN, Arunkumar PANDIAN (INDIA)
- 40765 ARTHROSCOPIC REPAIR WITH MARROW STIMULATION TECHNIQUE IS EFFECTIVE IN HORIZONTAL MENISCAL TEARS**
Qi ZHOU, Yuli WU, Haishan WU, Yunli ZHU, Qirong QIAN (CHINA)



Saturday, 19 September

Hall 15 Yunfu

08:30 - 10:00

Short Oral Presentations – Spinal Fracture & Infection

Moderators:

Lin HUANG (CHINA), Dasheng LIN (CHINA)

- 40130 INSTRUMENTATION IN SPINAL INFECTION SURGERY OVER A 15-YEAR PERIOD IN SOUTHERN CHINESE: WHAT HAVE WE LEARNT?**
Andrew Siu-Leung YIP, Kam-Kwong WONG, Tik-Koon KWOK, Wing-Cheung WONG (HONG KONG, CHINA)
- 40478 CLINICAL RESEARCH OF SPINAL CANAL DECOMPRESSION THROUGH THE INTERLAMINAR APPROACH COMBINED WITH LOCAL CHEMOTHERAPY IN SPINAL TUBERCULOSIS TREATMENT**
Huadong YANG, Xifeng ZHANG (CHINA)
- 40560 REVISION SURGERY FOR SPINAL TUBERCULOSIS WITH SECONDARY DEFORMITY AFTER TREATMENT WITH DEBRIDEMENT, INSTRUMENTATION, AND FUSION**
Tingxian LING, Limin LIU (CHINA)
- 41461 A NEW TREATMENT APPROACH FOR SIMPLE THORACOLUMBAR COMPRESSION FRACTURES**
Hua GUO, Dingjun HAO (CHINA)
- 41441 TREATMENT FOR ACUTE OR SUBACUTE OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES: PERCUTANEOUS VERTEBROPLASTY VERSUS FACET BLOCKING (A CLINICAL RANDOMISED STUDY)**
Hua GUO, Dingjun HAO (CHINA)
- 40076 TRANSVERSE SACRAL FRACTURE ACCOMPANIED BY NEUROLOGICAL SYMPTOMS: A CASE STUDY**
Jun OKAMOTO, Masafumi KISHIMOTO (JAPAN)
- 39932 NEURAL FUNCTION RECOVERY AFTER SPINAL CORD INJURY: DON'T IGNORE THE BRAIN**
Tiansheng SUN (CHINA)
- 40138 THE COMPARISON STUDY BETWEEN MRI AND IMMUNOHISTOCHEMISTRY IN INFERIOR DISC OF BURST FRACTURE**
Xiaodan ZHAO, Hao LIU (CHINA)
- 39638 COMPARISON OF OUTCOMES BETWEEN UNILATERAL AND BILATERAL APPROACH FOR TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE**
Xingkai ZHANG, Yu LIANG (CHINA)

- 42424 USE OF TERIPARATIDE AS A CONSERVATIVE TREATMENT STRATEGY FOR SPINAL OSTEOPOROTIC FRACTURE**
Dehong YANG, Wei LI, Meng YUE, Song HAO, Shaoyu HU, Guojun TONG (CHINA)
- 42423 ONE-STAGE LUMBOPELVIC FIXATION IN THE TREATMENT OF LUMBOSACRAL JUNCTION TUBERCULOSIS**
Zhengquan XU, Xiyang WANG (CHINA)
- 42422 THERAPEUTIC EFFECT AND COMPLICATION OF PKP/PVP FOR THE TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE**
Yaonan ZHANG, Liang ZHANG, Changtai SUN (CHINA)
- 42421 A NEW DESIGN FOR CEMENT INJECTION PRESSURE MEASUREMENT DURING KYPHOPLASTY**
Linlin ZHANG, Bin MENG, Huilin YANG (CHINA)
- 42420 SURGICAL TREATMENT OF THORACOLUMBAR BURST FRACTURES (DENIS-B TYPE) WITH ANTERIOR OPERATION IN ADULTS**
Chao ZHENG, Ji WU (CHINA)
- 42419 EFFECT OF BONE CEMENT VOLUME FRACTION ON ADJACENT VERTEBRAL FRACTURES AFTER UNILATERAL PERCUTANEOUS KYPHOPLASTY**
Dasheng LIN, Hui LIU, Zhenqi DING, Kejian LIAN (CHINA)

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

10:30 - 12:00 **Short Oral Presentations – Knee**

Moderators:

Procyk PROCYK (FRANCE), Chun ZENG (CHINA)

- 41907 RETENTION VERSUS SACRIFICE OF THE POSTERIOR CRUCIATE LIGAMENT IN TOTAL KNEE ARTHROPLASTY FOR TREATING VARUS OSTEOARTHRITIS**
Alaa EL TAHAN, Atef MORSY, Emad EL BANA, Nehad EL MABOUB, Mina HAKIM (EGYPT)
- 40305 INTERNAL FIXATION TREATMENT OF HOFFA FRACTURE: HOLLOW CANCELLOUS BONE TENSION SCREW COMBINED WITH SUPPORT PLATE**
Bangbao LU, Yong ZHU (CHINA)
- 39420 ARE WE COMPROMISING ON OUR TKA COMPONENT DIMENSIONS? A PROSPECTIVE STUDY ON DISTAL FEMUR DIMENSIONS IN INDIAN PATIENTS**
Melvin George IRIMPEN, Jai Thilak KAILATHUVALAPPIL (INDIA)
- 41590 SURGICAL RESULTS AFTER TOTAL KNEE ARTHROPLASTY FOR POST-TRAUMATIC KNEE ARTHRITIS**
Miroslav HASPL (CROATIA)

- 40041 CLINICAL AND RADIOLOGICAL RESULTS IN TOTAL KNEE ARTHROPLASTY USING A MODIFIED MIDVASTUS APPROACH WITH MINIMALLY INVASIVE TOOLS**
Procyk PROCYK (FRANCE)
- 39284 HETEROPTOPIC OSSIFICATION FOLLOWING TOTAL KNEE ARTHROPLASTY**
Rohit BANSAL, Deepak KAKI, Chittaranjan SAHU, Jagadesh GUDARU (INDIA)
- 41955 VALIDATION OF TRANSEPICONDYLAR AXIS AS AN ACCURATE MEASURE FOR FEMORAL COMPONENT ROTATION IN TOTAL KNEE ARTHROPLASTY**
Saurabh GUPTA, M. Shantharam SHETTY, M. Ajith KUMAR (INDIA)
- 39196 THE EFFECT OF PAIN AND FUNCTION IN PATIENT SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT**
Zenat KHIRED (SAUDI ARABIA)
- 41313 USE OF ANTI-GRANULOCYTE SCINTIGRAPHY WITH 99MTC-LABELED MONOCLONAL ANTIBODIES FOR THE DIAGNOSIS OF PROSTHESIS INFECTION IN PATIENTS AFTER TOTAL JOINT ARTHROPLASTY: A DIAGNOSTIC META-ANALYSIS**
Dan XING, Xinlong MA, Yang YANG (CHINA)
- 40814 THE USE OF RECEIVER OPERATING CHARACTERISTICS ANALYSIS IN DETERMINING CUT-OFF VALUE OF D-DIMER FOR PREDICTION OF CALF INTERMUSCULAR DEEP VEIN THROMBOSIS AFTER TOTAL HIP ARTHROPLASTY**
Qinsheng HU, Bin SHEN (CHINA)
- 41565 BIOLOGICAL PLATING OF PERIPROSTHETIC FRACTURES AROUND KNEE PROSTHESES: INDICATIONS, RESULTS AND COMPLICATIONS IN 31 CASES**
Rajiv THUKRAL, S.K.S. MARYA (INDIA)
- 42403 NO CLEAR BENEFIT TO USING CLOSED SUCTION DRAINAGE AFTER PRIMARY TOTAL KNEE ARTHROPLASTY**
Haibo SI, Zeng YI, Bin SHEN (CHINA)
- 42402 USE OF BARBED SUTURES FOR CLOSURE IN TOTAL JOINT ARTHROPLASTY: ASSESSMENT AND OUR EXPERIENCE – A PROSPECTIVE, RANDOMISED, DOUBLE-BLIND CLINICAL TRIAL**
Rui LI, Ming NI, Zhuo ZHANG, Peng REN, Peng XIN, Jiying CHEN (CHINA)
- 42401 BARBED VERSUS STANDARD SUTURES FOR CLOSURE IN TOTAL KNEE ARTHROPLASTY: A RETROSPECTIVE STUDY**
Guanglei ZHAO, Jun XIA, Yibing WEI, Siqun WANG, Gangyong HUANG, Feiyan CHEN, Jingsheng SHI, Liangda HUANG (CHINA)

12:00 - 12:30

Plenary Lecture – Wei Guo (in Hall 1 Lingnan)

ONE STAGE POSTERIOR TOTAL SACRECTOMY
Wei GUO (CHINA)

12:30 - 14:00 **Break**

14:00 - 15:30 **Short Oral Presentations – Minimally Invasive Surgery & Spine II**

Moderators:

Xiaosheng MA (CHINA), Zezhang ZHU (CHINA)

41201 EFFICACY OF TRANSFORAMINAL ENDOSCOPIC NERVE ROOT DECOMPRESSION IN THE TREATMENT OF DEGENERATIVE LUMBAR SPINAL STENOSIS

Zhengrong YU, Chunde LI (CHINA)

40464 PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY FOR ADOLESCENT LUMBAR DISC HERNIATION UNDER LOCAL ANAESTHESIA

Xifeng ZHANG, Ningdao LI (CHINA)

40454 PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY FOR TREATMENT OF DIFFERENT TYPES OF LUMBAR DISC HERNIATION USING LATERO-POSTERIOR APPROACH

Haoran GAO, Jixian QIAN (CHINA)

40448 THE CLINICAL STUDY OF PERCUTANEOUS TRANSFORAMINAL ENDOSCOPIC DISCECTOMY FOR LUMBAR DISC HERNIATION

Haoran GAO (CHINA)

40154 CLINICAL ASSESSMENT OF REFORMED LUMBAR MICRODISCECTOMY

Tao LI (CHINA)

40162 MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION AS REVISION SURGERY

Jian WANG (CHINA)

40158 MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION FOR OBESE OR OVERWEIGHT PATIENTS

Jian WANG (CHINA)

40813 PELVIC RETROVERSION IS THE KEY PROTECTIVE MECHANISM OF L4-5 DEGENERATIVE SPONDYLOLISTHESIS

Hui LIU, Zhaomin ZHENG (CHINA)

40188 MISS-TLIF ASSISTED BY QUADRANT OR PIPELINE TUBE SYSTEM FOR THE MANAGEMENT OF LUMBAR SPONDYLOLISTHESIS

Jiancheng ZENG (CHINA)

40199 MINIMALLY INVASIVE SCOLIOSIS SURGERY IN LENKE 5C ADOLESCENT IDIOPATHIC SCOLIOSIS: A PRELIMINARY RESULT

Zezhang ZHU, Zhen LIU, Weiguo ZHU, Xingyong LIU, Xu SUN, Yong QIU (CHINA)

39153 PERONEAL AND TIBIAL NERVE F WAVES IN L5 AND S1 RADICULOPATHIES
Chaojun ZHENG, Jianyuan JIANG, Feizhou LU, Xiang JIN (CHINA)

42408 A PILOT STUDY ON THE TREATMENT OF DEGENERATIVE SCOLIOSIS BY USING MIS-TLIF AND PERCUTANEOUS VERTEBRAL PEDICLE SCREW FIXATION
Zhixun YIN (CHINA)

15:30 - 16:00 *Break*

16:00 - 17:30 *Short Oral Presentations – Cervical Spine & Scoliosis*

Moderators:

David ROYE (UNITED STATES), Junlin YANG (CHINA)

39900 DIFFUSION TENSOR MR IMAGING IN CERVICAL SPONDYLOTIC MYELOPATHY
Chao KONG, Xueming CHEN (CHINA)

41481 SURGICAL TREATMENT OF LOWER CERVICAL FRACTURE-DISLOCATIONS WITH SPINAL CORD INJURIES BY ANTERIOR APPROACH (5 TO 15 YEARS' FOLLOW-UP)
Hua GUO, Dingjun HAO (CHINA)

39993 CLINICAL AND RADIOLOGIC COMPARISON OF TWO NON-FUSION TECHNIQUES FOR THE TREATMENT OF SINGLE-LEVEL CERVICAL DEGENERATIVE DISC DISEASE: DYNAMIC CERVICAL IMPLANT ARTHROPLASTY VERSUS CERVICAL TOTAL DISC REPLACEMENT
Shichang LIU, Yueming SONG (CHINA)

40475 THE IMPACT OF MILD OSSIFICATION ON THE RANGE OF MOTION AFTER CERVICAL ARTIFICIAL DISC REPLACEMENT OF CERVICAL DISC HERNIATION PATIENTS
Wei TIAN, Xiao HAN, Bo LIU, Da HE, Yanwei LV, Huadong WANG (CHINA)

39937 IMPACT OF INTERVERTEBRAL OVER DISTRACTION ON AXIAL SYMPTOM AFTER ANTERIOR CERVICAL DISCECTOMY AND FUSION (ACDF)
Wei ZHANG, Jiayue BAI (CHINA)

41602 CRITERIA FOR OBJECTIVE ASSESSMENT OF THE IDIOPATHIC SCOLIOSIS (IS) SPINAL DEFORMITIES SURGICAL CORRECTION RESULTS
Darya TESAKOVA, Helena SOSHNIKOVA, Polina ZUEVA, Dmitry TESAKOV, Sergei MAKAREVICH (BELARUS)

39777 HOW MUCH CORRECTION COULD BE EXPECTED WITH HGT IN NEUROMUSCULAR SCOLIOSIS?
Zezhang ZHU (CHINA)

- 42418 LUNG VOLUME OF SCOLIOSIS ASSOCIATED WITH SYRINGOMYELIA/ CHIARI MALFORMATION: COMPARISON WITH ADOLESCENT IDIOPATHIC SCOLIOSIS**
Guodong WANG, Jianmin SUN, Zhensong JIANG, Xingang CUI, Tao LI (CHINA)
- 42417 RADIOGRAPHIC COMPARISON OF SELECTIVE ANTERIOR AND POSTERIOR THORACOLUMBAR/LUMBAR FUSION FOR PUMC2D1 (LENKE 5C) ADOLESCENT IDIOPATHIC SCOLIOSIS**
Shengru WANG, Jainguo ZHANG (CHINA)
- 42416 ANATOMIC STUDY OF LOWER CERVICAL ANTERIOR TRANSPEDICULAR SCREW FIXATION AND ITS RELATED FACTORS IN CHINESE POPULATION**
Xinjia WANG (CHINA)
- 42415 THE CLINICAL MANIFESTATIONS AND TREATMENT OF ATLANTOAXIAL ROTATORY FIXATION IN ADULTS**
Gang CHEN (CHINA)
- 42414 THE APPLICATION OF MATH IN DOUBLE-DOOR LAMINOPLASTY**
Fei YIN, Ran LI, Kunchi ZHAO, Qing RUAN (CHINA)
- 40497 RISK OF ADOLESCENT IDIOPATHIC SCOLIOSIS (AIS) DIAGNOSIS AMONG PATIENTS EVALUATED IN A TERTIARY ORTHOPAEDIC SETTING**
David ROYE, Benjamin ROYE, Diana LEE, Gregory PACE, Hasani SWINDELL, Hiroko MATSUMOTO, Michael VITALE (UNITED STATES)