

38th SICOT Orthopaedic World Congress



30 November - 2 December 2017
Cape Town  South Africa

e-Posters

Topics and Subtopics

Arthroscopy and Sports Medicine – <i>Foot and Ankle</i>	4
Arthroscopy and Sports Medicine – <i>Hip</i>	4
Arthroscopy and Sports Medicine – <i>Knee</i>	4
Arthroscopy and Sports Medicine – <i>Miscellaneous</i>	6
Arthroscopy and Sports Medicine – <i>Shoulder</i>	6
Emerging Technology – <i>Miscellaneous</i>	7
Emerging Technology – <i>Navigation</i>	7
Emerging Technology – <i>Robotic</i>	7
Emerging Technology – <i>Simulators</i>	7
Foot and Ankle – <i>Deformities</i>	8
Foot and Ankle – <i>Foot Trauma</i>	9
Foot and Ankle – <i>Miscellaneous</i>	10
Foot and Ankle – <i>Reconstruction</i>	10
Hand – <i>Miscellaneous</i>	11
Hand – <i>Reconstruction</i>	12
Hand – <i>Trauma</i>	12
Hip – <i>Arthroplasty</i>	13
Hip – <i>Dysplasia</i>	18
Hip – <i>Hip Preservation</i>	19
Hip – <i>Miscellaneous</i>	19
Hip – <i>Osteotomy</i>	20
Hip – <i>Trauma</i>	20
Knee – <i>Arthroplasty</i>	20
Knee – <i>Miscellaneous</i>	24
Knee – <i>Osteotomy</i>	26
Knee – <i>Soft Tissue Reconstruction</i>	26
Miscellaneous – <i>Arthroplasty</i>	27
Miscellaneous – <i>Developing World</i>	27
Miscellaneous – <i>Infections</i>	28
Miscellaneous – <i>Osteoarticular Infections</i>	28
Miscellaneous – <i>Osteoporosis</i>	29
Miscellaneous – <i>Pain Management</i>	29
Miscellaneous – <i>Prosthetics and Orthotics</i>	29
Miscellaneous – <i>Rheumatology</i>	30
Orthopaedic Oncology – <i>Miscellaneous</i>	30
Orthopaedic Oncology – <i>Operative Treatment</i>	31
Orthopaedic Oncology – <i>Upper Extremity</i>	33
Orthopaedic Oncology – <i>Upper Limb</i>	33
Paediatrics – <i>Clubfoot</i>	33
Paediatrics – <i>Limb Lengthening</i>	33
Paediatrics – <i>Lower Extremity</i>	34
Paediatrics – <i>Miscellaneous</i>	35
Paediatrics – <i>Neuromuscular Disorder</i>	35
Paediatrics – <i>Upper Extremity</i>	35
Research – <i>Basic Science: Allografts</i>	36
Research – <i>Basic Science: Biomaterials and Implants</i>	36
Research – <i>Basic Science: Biomechanics</i>	36

Research – <i>Basic Science: Tissue Engineering</i>	37
Research – <i>Basic Science: Trauma and Bone</i>	37
Research – <i>Clinical</i>	37
Research – <i>Miscellaneous</i>	38
Research – <i>Osteoporosis</i>	39
Shoulder and Elbow – <i>Arthroplasty</i>	39
Shoulder and Elbow – <i>Instability</i>	39
Shoulder and Elbow – <i>Miscellaneous</i>	40
Shoulder and Elbow – <i>Soft Tissue Reconstruction</i>	41
Spine – <i>Cervical Spine</i>	42
Spine – <i>Congenital</i>	42
Spine – <i>Deformities</i>	42
Spine – <i>Degenerative</i>	42
Spine – <i>Infections</i>	43
Spine – <i>Lumbar Spine</i>	43
Spine – <i>Minimally Invasive Surgery</i>	44
Spine – <i>Paediatric</i>	45
Spine – <i>Spinal Cord Injuries</i>	45
Spine – <i>Surgical Techniques</i>	46
Spine – <i>Trauma</i>	46
Trauma – <i>Foot and Ankle</i>	46
Trauma – <i>Hip</i>	47
Trauma – <i>Instability</i>	47
Trauma – <i>Lower Extremity</i>	47
Trauma – <i>Lower Limb</i>	47
Trauma – <i>Miscellaneous</i>	52
Trauma – <i>Paediatric</i>	53
Trauma – <i>Pelvis</i>	53
Trauma – <i>Polytrauma Management</i>	55
Trauma – <i>Upper Limb</i>	55

Arthroscopy and Sports Medicine – Foot and Ankle

- 47225 NOVEL DYNAMIC STABILISATION METHOD FOR MEDIAL INSTABILITY OF THE FIRST METATARSOPHALANGEAL JOINT**
Zoltan KOOS (HUNGARY)
- 47847 ARTHROSCOPIC TREATMENT OF ANTERIOR BONE ANKLE CONFLICTS: ABOUT 04 CASES**
Youssef BENYASS, Valdumir Ravid MENDES TEIXEIRA, Mohamed Jalal EL MEKKAoui, Driss BENCHEBBA, Salim BOUABID, Bouchaib CHAFRY, Mostapha BOUSSOUGA (MOROCCO)

Arthroscopy and Sports Medicine – Hip

- 46462 ARTHROSCOPIC LABRAL REPAIR IN BORDERLINE HIP DYSPLASIA**
Sang Eun PARK, Kugjin CHOI (SOUTH KOREA)
- 46575 ENDOSCOPIC RELEASE OF GLUTEAL MUSCLE CONTRACTURE (GMC) WITH F & C CONTRACTURE RELEASE METHOD**
Saroj RAI, Hong WANG, Chungqing MENG, Shengyang JIN, Xianzhe LIU, Xiaohong WANG, Shuhua YANG, Nira TAMANG, Wei HUANG, Zengwu SHAO (CHINA)
- 47871 HIP ARTHROSCOPY FOR FEMOROACETABULAR IMPINGEMENT: IS THE MINIMUM DATA SET OF THE UK NON-ARTHROPLASTY HIP REGISTER A USEFUL MEASURE OF PATIENT OUTCOMES?**
Julian MAEMPEL, Jason TING, Gavin BROWN, Paul GASTON (UNITED KINGDOM)
- 48204 SHOULD WE USE HETEROTOPIC OSSIFICATION PROPHYLAXIS IN CONSERVATIVE HIP SURGERY?**
Oliver MARIN-PENA¹, Pedro CAMPOS REIS², Mohamed ABD EL-RADI³, Anuj CHAWLA⁴, Fernando OÑORBE-SANFRANCISCO¹, Javier MONTOYA-ADARRAGA¹, Ricardo LARRAINZAR-GARIJO¹
¹(SPAIN), ²(PORTUGAL), ³(EGYPT), ⁴(SINGAPORE)
- 48455 EXPERIENCE WITH CONVERSION OF FUSED HIPS TO TOTAL HIP ARTHROPLASTY**
Josephat J.A.O. MULIMBA (KENYA)

Arthroscopy and Sports Medicine – Knee

- 46254 ANATOMICAL VARIATIONS IN THE TIBIAL INSERTION OF THE ANTERIOR CRUCIATE LIGAMENT - AN MRI STUDY**
Henry MAGILL, Neil JAIN, Clare CULLEN (UNITED KINGDOM)
- 46258 RADIOGRAPHIC ANALYSIS OF RE-RUPTURES OF RECONSTRUCTED ACLS - EVALUATION OF TUNNEL POSITION AS A POSSIBLE CAUSE OF FAILURE**
Andree ELLERMANN, Alexander ZIMMERER, Christian SOBAU (GERMANY)
- 46336 MID-TERM RESULTS AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING FOUR-STRAND SINGLE SEMITENDINOSUS TENDON**
Hee-Soo KYUNG, Hee-June KIM, Jung-Won HAN (SOUTH KOREA)
- 46337 EVALUATION OF ARTHROSCOPIC TRAINING USING A PORCINE KNEE MODEL**
Hee-Soo KYUNG, Hee-June KIM, Dong-Hyun KIM (SOUTH KOREA)
- 46389 DOES CHRONIC ACL INSUFFICIENCY RESULT IN INFERIOR QUALITY HAMSTRING AUTOGRAFT?**
Arjun NAIK, Prashant ACHARYA (INDIA)
- 46395 SEX DOES NOT INFLUENCE THE CLINICAL OUTCOME OF ANATOMIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN THE SHORT-TERM UTILISING THE "ALL-INSIDE" TECHNIQUE**
Tiefenboeck THOMAS, Mark SCHURZ, Stephanie SYRÈ, Roman OSTERMANN, Markus WINNISCH, Julian JOESTL, Marcus HOFBAUER (AUSTRIA)
- 46550 AN ATYPICAL CASE OF COMBINED RUPTURE OF PATELLAR TENDON, ANTERIOR CRUCIATE LIGAMENT, MEDIAL COLLATERAL LIGAMENT AND LATERAL MENISCUS MANAGED OPERATIVELY**
Jagandeep VIRK, Naveen MITTAL, Ankush JINDAL (INDIA)
- 46797 EARLY PATHOLOGICAL DIAGNOSIS OF THE JUVENILE RHEUMATOID ARTHRITIS**
Ludmila PASHKEVICH, Mohammad Taher MOHAMMADI, Mikhail GERASIMENKO, Stanislau TRATSIK (BELARUS)
- 46798 GONARTHROSIS PATHOLOGY IN THE ARTHROPLASTY**
Ludmila PASHKEVICH, Mohammad Taher MOHAMMADI, Pavel SKAKUN (BELARUS)

- 46929 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION HAS GOOD 2-YEAR OUTCOMES IN BOTH YOUNG AND MIDDLE-AGED PATIENTS IN AN ASIAN POPULATION**
Kae Sian TAY, Andrew Hwee Chye TAN (SINGAPORE)
- 46967 REDUCING SURGICAL TIME WITH NEEDLELESS SUTURE TECHNIQUES: A COMPARATIVE STUDY**
Wei-Ren SU, Chih-Kai HONG, Cheng-Li LIN, Jui-Ming YANG, Chien-An SHIH, Yi-Chuan CHOU (TAIWAN)
- 46971 UNHAPPY TRIAD REVISED**
Andrea FERRETTI, Edoardo MONACO, Antonio PONZO, Fabio CONTEDEUCA, Andrea REDLER, Daniele MAZZA (ITALY)
- 47016 HOW THE RESULTS OF CONSERVATIVE TREATMENT FOR ACL TEARS ARE DIFFERENT BY POSTERIOR TIBIAL SLOPE?**
Yoonseok YOUM, Sungdo CHO, Youngjin CHOI, Chaechil LEE (SOUTH KOREA)
- 47366 THE CLINICAL CHARACTERISTICS OF THE KNEE WITH THE ANTEROMEDIAL MENISCOFEMORAL LIGAMENT IN THE ANTERIOR HORN OF THE MEDIAL MENISCUS - A RETROSPECTIVE CASE STUDY**
Young Mo KIM, Yong Bum JOO, Woo Yong LEE (SOUTH KOREA)
- 47380 CADAVERIC STUDY ON THE FEMORAL FOOTPRINT FOR ANATOMICAL SINGLE-BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Young Mo KIM, Yong Bum JOO, Woo Yong LEE (SOUTH KOREA)
- 47392 A COMPARATIVE STUDY ON THE ACCURACY OF MAGNETIC RESONANCE IMAGING IN DETECTING ACL AND MENISCAL TEARS OF THE KNEE AT THE MEDICAL CITY**
Ken Jeffrey MAGCALAS, Rafael CLAUDIO, Carlo Emmanuel SUMPAICO, Jose Eduardo LEGARDA (PHILIPPINES)
- 47419 RELATIONSHIP BETWEEN PREOPERATIVE EXTRUSION OF THE MEDIAL MENISCUS AND SURGICAL OUTCOMES AFTER PARTIAL MENISCECTOMY**
Sangwoo JEON, Junsik KIM, Sung-Jae KIM, Chong Hyuk CHOI, Yong-Min CHUN, Sung-Hwan KIM, Min JUNG, Taehwan YOON, Yoo-Chul JEONG (SOUTH KOREA)
- 47598 COMPARISON OF SINGLE-BUNDLE AND DOUBLE-BUNDLE POSTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Jae Ang SIM, Young Gon NA (SOUTH KOREA)
- 47856 ANALYSIS OF THE MANAGEMENT AFTER CONTAMINATED ANTERIOR CRUCIATE LIGAMENT GRAFT - A PROSPECTIVE STUDY AMONG MEMBERS OF THE POLISH ARTHROSCOPIC SOCIETY**
Jedrzej Jerzy LESMAN, Marcin DOMZALSKI (POLAND)
- 47909 INTRAOPERATIVE GRAFT ISOMETRY IN ANATOMIC SINGLE BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Jae Doo YOO, You Keun KIM (SOUTH KOREA)
- 47918 CORRELATION OF KNEE MRI AND ARTHROSCOPIC FINDINGS AND THE EFFECT OF TIME ON DIAGNOSTIC RELIABILITY**
Thando NCUBE, Sebastian MAGOBOTHA (SOUTH AFRICA)
- 47957 EFFECT OF DURATION OF INJURY AND MODE OF INJURY ON ACL ASSOCIATED MENISCAL AND CHONDRAL DAMAGE**
Anil KAPOOR, Ravi GUPTA, Ashwani SONI, Sourabh KHATRI, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 48027 MENISCUS TRANSPLANT: THE IGNORED OPTION TO PREVENT OSTEOARTHRISIS**
Dan COJOCARU, Sorin FLORESCU, Silviu BRAD, Jenel Marian PATRASCU (ROMANIA)
- 48032 CLINICAL OUTCOME IN CLINICAL TRIAL WITH WALKING SUPPORT MACHINE AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Bura SINDHUPAKORN, Suwittaya THIENPRATHARN, Sirinajch AJCHARIYAMETHAKUL, Tiwaporn CHOTJUMLONG, Tidarat PARSERTNOO (THAILAND)
- 48146 POSTOPERATIVE TESTING OF OBJECTIVE PARAMETERS OF THE RETURN TO PLAY AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION VERSUS A RANDOMISED HEALTHY CONTROL GROUP**
Jörn LANGE, Denis GÜMBEL, Matthias NAPP, Peter HINZ, Axel EKKERNKAMP (GERMANY)
- 48304 RECONSTRUCTION OF ANTERIOR CRUCIATE LIGAMENT BY AUTOLOGOUS HAMSTRING VS. BONE PATELLA TENDON BONE AUTOGRAFT**
Tarun KUKREJA (INDIA)
- 48397 DOES FULL-THICKNESS CHONDRAL FRAGMENT FIXED TO THE BONE IN THE KNEE HEAL? - CLINICAL & RADIOGRAPHIC RESULTS**
Kyoung Dae MIN, Wook Joong KIM (SOUTH KOREA)

- 48421 FASCIA LATA AUTOGRAFT HARVESTING TECHNIQUE**
Anil SINGHAL (INDIA)
- 48545 PRELIMINARY RESULTS OF PRIMARY ACL SUTURE WITH INTERNAL BRACE LIGAMENT AUGMENTATION**
Robert FREI (CZECH REPUBLIC)
- 48561 THREE-DIMENSIONAL CT ANALYSIS OF FEMORAL AND TIBIAL TUNNEL POSITIONS AFTER MODIFIED TRANSTIBIAL SINGLE-BUNDLE ACL RECONSTRUCTION**
Francois-Paul EHKIRCH, Peter UPEX (FRANCE)
- 48601 ARTHROSCOPIC SURGERY FOR DEGENERATIVE TEARS OF MENISCUS - SYSTEMATIC REVIEW AND META-ANALYSIS OF 8 RANDOMISED PUBLISHED CLINICAL TRIALS**
Kunal ANEJA, Parag SANCHETI, Navneet WADHWA, Alisha ARORA, Ayush Kumar SINGH (INDIA)
- 48658 RESULTS OF MEDIAL MENISCAL ROOT REPAIR WITH CONTROLLED TENSION KNOTLESS ANCHOR**
Mohamed ASHRY, Khater AHMED HANY, Abd Algilil HESHAM, Haroon YAHYA (EGYPT)

Arthroscopy and Sports Medicine – Miscellaneous

- 47169 CAMERA COVER PERFORATION AFTER ARTHROSCOPIC SURGERY**
Benjamin Fu Hong ANG, Henry SOEHARNO, Kong Hwee LEE, Shirlena Tieu Kwee WONG, Denny Tjiauw Tjoen LIE, Paul Chee Cheng CHANG (SINGAPORE)
- 47850 VOLLEYBALL IS NOT A SAFE SPORT: PROSPECTIVE ANALYSIS OF PROFESSIONAL PLAYERS' INJURIES DURING TWO LEAGUE SEASONS**
Jedrzej Jerzy LESMAN, Marcin DOMZALSKI (POLAND)

Arthroscopy and Sports Medicine – Shoulder

- 46245 COMPARISON OF CLINICAL EFFICACY AMONG REMIFENTANIL, NICARDIPINE AND REMIFENTANIL PLUS NICARDIPINE CONTINUOUS INFUSION FOR HYPOTENSIVE ANAESTHESIA DURING ARTHROSCOPIC SHOULDER SURGERY**
Joonyub KIM, Yoon JONG PIL, Seok Won CHUNG (SOUTH KOREA)
- 46270 IN VIVO ANALYSIS OF SHOULDER JOINT THREE-DIMENSIONAL TRANSIENT MOTION AFTER CLAVICLE HOOK PLATE FIXATION BASED ON FSA**
Lan CAO, Jinwu WANG (CHINA)
- 46432 CLINICAL OUTCOME AND RETURN TO SPORTS AFTER TYPE II SLAP REPAIR - A PROSPECTIVE STUDY**
Sandra BOESMUELLER, Thomas TIEFENBOECK, Marcus HOFBAUER, Adam BUKATY, Gerhard OBERLEITNER, Wolfgang HUF, Christian FIALKA (AUSTRIA)
- 46510 ARTHROSCOPIC LATARJET WITH DOUBLE BUTTON FIXATION: LEARNING CURVE ANALYSIS AND SHORT-TERM COMPLICATIONS**
Nicolas BONNEVIALLE, Charles THELU, Jérôme VOGEL, Yves BOUJU (FRANCE)
- 46682 FUNCTIONAL OUTCOMES AFTER ARTHROSCOPIC SINGLE-ROW VERSUS DOUBLE-ROW TECHNIQUES FOR REPAIRING DIFFERENT SIZES OF ROTATOR CUFF TEAR**
Chenhao CHIANG, Weihsing CHIH, Minglong YEH, Chihkai HONG, Weiren SU (TAIWAN)
- 46842 BIOMECHANICAL PERFORMANCE OF TRANSTENDINOUS ALL-SUTURE ANCHOR TECHNIQUE FOR SUPRAPECTORAL BICEPS TENODESIS**
Wei-Ren SU, Chih-Kai HONG, Fa-Chuan KUAN (TAIWAN)
- 46936 CLINICAL RESULTS OF ROTATOR CUFF REPAIR IN PATIENT OF GLENOHUMERAL OSTEOARTHRITIS**
Yoon JONG PIL, Seok Won CHUNG, Jae-Wook JUNG (SOUTH KOREA)
- 47135 SURGICAL TREATMENT OF LONG-STANDING CHRONIC RECURRENT INSTABILITY OF THE SHOULDER JOINT**
Andrey KOPYLOV (RUSSIA)
- 47178 HYDRODILATATION FOR THE TREATMENT OF POST-OPERATIVE CAPSULITIS FOLLOWING ARTHROSCOPIC SUBACROMIAL DECOMPRESSION SURGERY (SAD) AND DISTAL CLAVICLE EXCISION**
Caroline DOVER, Stuart HAY (UNITED KINGDOM)
- 47290 ARTHROSCOPIC TREATMENT OF ACROMIOCLAVICULAR JOINT DISLOCATION - CLINICAL AND RADIOLOGICAL REVIEW**
André BARROS, Eduardo CARPINTEIRO, Sergio GONÇALVES, Luís PIRES (PORTUGAL)

- 47883 HOW ACCURATE ARE MRI SCANS IN IDENTIFYING OPERABLE ROTATOR CUFF PATHOLOGIES?**
Chinyelu MENAKAYA, N. RANAELI, G. MURPHY, Omar HADDO (UNITED KINGDOM)
- 47966 CLINICAL AND BIOMECHANICAL RECOVERY FOLLOWING SHOULDER INSTABILITY AND LABRAL REPAIR**
Joanna WALECKA, Piotr KACZMAREK, Paweł CISOWSKI, Przemysław LUBIATOWSKI (POLAND)
- 48244 OUTCOMES OF ARTHROSCOPIC CAPSULOLABRAL RECONSTRUCTION IN ANTERIOR INSTABILITY WITH GLENOID BONE DEFECT MORE THAN 20% - IS LATARJET PROCEDURE ABSOLUTE INDICATION FOR THESE PATIENTS?**
Joo Han OH, Sae Hoon KIM, Dae Ha KIM, Hyeon Jang JEONG, Sung Min RHEE, Kyung Pyo NAM, Joo Hyun PARK, Ji Hyun YEO, Kwang Jin LEE (SOUTH KOREA)
- 48266 DOES CORACOHUMERAL LIGAMENT (CHL) RELEASE IN CONCOMITANT WITH ARTHROSCOPIC ROTATOR CUFF REPAIR PREVENT POSTOPERATIVE STIFFNESS? - A RETROSPECTIVE CASE CONTROL STUDY**
Hyeon Jang JEONG, Joo Han OH (SOUTH KOREA)
- 48290 COMPARISON OF MID-TERM OUTCOME OF SINGLE-ROW AND DOUBLE-ROW REPAIR TECHNIQUES IN MEDIUM SIZED ROTATOR CUFF TEARS IN YOUNG PATIENT**
Inayat PANDA, Roshan WADE, Vipul GUPTA (INDIA)
- 48402 HOW MUCH DO WE NEED TO CUT THE SUBACROMIAL SPUR IN IMPINGEMENT SYNDROME? NEW RADIOLOGIC VIEW TO EVALUATE THE SPUR SIZE**
Chanont KANOKVALEEWONG, Krit BOONTANAPIBUL, Bancha CHERNCHUJIT (THAILAND)
- 48443 WHICH IS THE OPTIMAL METHOD OF PLATELET-RICH PLASMA (PRP) APPLICATION DURING ARTHROSCOPIC ROTATOR CUFF REPAIR: A RANDOMISED CONTROLLED COMPARATIVE TRIAL**
Joo Han OH, Jeong HYEON JANG, Rhee SUNG MIN, Nam KYUNG PYO, Yeo JI HYUN (SOUTH KOREA)
- 48482 MRI AS A ONE-STOP IMAGING TECHNIQUE FOR RECURRENT ANTERIOR INSTABILITY OF SHOULDER - CORRELATION WITH CT SCAN**
Prakash AYYADURAI, Sadem AMER, Suresh PERUMAL, Prabhu RADHAN, Arumugam SIVARAMAN (INDIA)
- 48644 SEXUAL ACTIVITIES AFTER BANKART REPAIR**
Mohamed ASHRY, Khater AHMED HANY, Amr MOHAMED, Abd Alglil HESHAM (EGYPT)
- 48810 ARTHROSCOPIC DECOMPRESSION OF A PARALABRAL CYST CAUSING SUPRASCAPULAR NEUROPATHY**
Catarina BISPO, Goncalo LAVAREDA, Sofia CARVALHO, Filipe MACHADO, Francisco GONCALVES, Mafalda BATISTA, Barbara CAMPOS (PORTUGAL)

Emerging Technology – *Miscellaneous*

- 46272 THE APPLICATION OF 3D PRINTING TECHNOLOGY IN ORTHOPAEDICS AND REHABILITATIVE DEVICES**
Tao LI, Jinwu WANG, Ming XIAO, Yuanjing XU (CHINA)
- 48544 INNOVATION IN ORTHOPAEDICS: VIRTUAL SURGICAL PLANNING AND 3D PRINTING**
Tarun VERMA (INDIA)

Emerging Technology – *Navigation*

- 46978 TRAJECTORY PLANNING AND GUIDED PUNCTURES OF ISOCENTRIC NAVIGATION FOR POSTEROLATERAL ENDOSCOPIC LUMBAR DISCECTOMY IN CADAVERS**
Guoxin FAN, Shisheng HE (CHINA)

Emerging Technology – *Robotic*

- 47973 SIX-AXIS FREE MOTION ROBOT FOR LONG-BONE FRACTURE SURGERY**
Joon-Woo KIM, Il-Hyung PARK, Chang-Wug OH, Kyeong-Hyeon PARK, Dong-Hyun KIM, Sanghyun JOUNG (SOUTH KOREA)

Emerging Technology – *Simulators*

- 46792 COMPUTER-ASSISTED VIRTUAL SIMULATION AND 3D PRINTING FOR TREATMENT OF OPEN BOOK FRACTURE COMBINED WITH STRADDLE FRACTURE: A RARE CASE TREATED WITH A NOVEL TECHNIQUE**
Yuanta LI, Tsu-Te YEH (TAIWAN)

- 46890 A USE OF VR SIMULATION FOR MEDICAL EDUCATION IN TERMS OF ENGAGEMENT AND EFFECTIVENESS**
Bura SINDHUPAKORN, Jessada TANTHANUCH, Suwittaya THIENPRATAN (THAILAND)
- 47848 PLATELET RICH PLASMA INJECTION IN TREATMENT OF DELAYED AND NON-UNION OF LONG BONES**
Shantanu SHANTANU GUPTA, Khan SOHAEL, Akhita SINGHANIA, Jain SHASHANK, Suvarn GUPTA, Sandeep SHRIVASTAVA, Singh PRADEEP, Shraddha SINGHANIA, Saheerish KHAN (INDIA)
- 48103 "STARS THERAPY": A PRP LED COMPREHENSIVE WOUND CARE IN ORTHOPAEDIC PRACTICE**
Sandeep SHRIVASTAVA, Chandrashekar MAHAKALKAR, Vasant GAWANDE, Anurag GUPTA (INDIA)

Foot and Ankle – Deformities

- 46165 ANKLE ARTHRODESIS IN HAEMOPHILIC PATIENTS**
Matthieu EHLINGER, David EICHLER, Adrien D'AMBROSIO, Henri FAVREAU, Philippe ADAM, Francois BONNOMET (FRANCE)
- 46394 MINIMALLY INVASIVE PERCUTANEOUS SURGERY IN TREATMENT OF CALCANEAR SPUR**
Nicola DAU, Roberto PELUCCHI, Valter DEANESI (ITALY)
- 46628 SONOGRAPHY AS A TOOLS FOR VALIDATION OF PIRANI SCORE USING PONSETI TECHNIQUE: A CORRELATION STUDY**
Arun Kumar PANDEY, Saurabh AGRAWAL (INDIA)
- 46844 PROXIMAL OPENING-WEDGE OSTEOTOMY OF THE FIRST METATARSAL FOR CORRECTION OF HALLUX VALGUS**
Kenichi KITAOKA (JAPAN)
- 46863 POSTEROMEDIAL RELEASE FOR SKELETALLY MATURE PATIENTS WITH PES CAVUS DEFORMITY**
Khaled EMARA, Khaled ABDULGHAFAR, Ramy Ahmed DIAB, Ahmed EMARA (EGYPT)
- 47199 OUTCOME OF MODIFIED ANKLE FUSION IN CHARCOT NEUROARTHROPATHY USING REGULAR NARROW PLATE THROUGH ANTERIOR APPROACH**
Essam ELSHERIF, Hossam ABUBEIH (EGYPT)
- 47243 MUELLER WEISS SYNDROME - CASE REPORT**
Pedro Manuel SERRANO, André CARVALHO, Arnaldo SOUSA, Francisco LEITE, Marta SANTOS SILVA, Daniel SOARES, Luis COSTA, José MURAS GEADA (PORTUGAL)
- 47249 SURGICAL TREATMENT FOR HAGLUND'S DEFORMITY**
Pedro Manuel SERRANO, João ESTEVES, Luis BARROS, Marta SANTOS SILVA, Pedro NEVES, Pedro BARREIRA, Luis COSTA, Andre GOMES (PORTUGAL)
- 47439 MANAGEMENT OF CHARCOT FOOT ARTHROPATHY**
Stefan CRISTEA, Radu VISAN, Andrei PRUNDEANU, Stefan CUCULICI (ROMANIA)
- 47473 REHABILITATION OF PATIENTS WITH FOOT DEFORMITIES**
Saodat ASILOVA, Gayrat NURIMOV, Utkir MURADOV, Albert YUGAY, Bekzod UBAYDULLAEV, Elmurod SUPIEV, Ilkhom YULDASHEV (UZBEKISTAN)
- 47489 THE EVALUATION OF LATERAL CALCANEAL LENGTHENING OSTEOTOMY IN TREATMENT OF PLANOVALGUS FOOT DEFORMITY**
Amit NARANG, Alok SUD (INDIA)
- 47800 ARTHRODESIS VERSUS ARTHROPLASTY OF THE FIRST METATARSOPHALANGEAL JOINT IN THE TREATMENT OF HALLUX RIGIDUS - COMPARATIVE STUDY**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Luís BARROS, João ESTEVES, Arnaldo SOUSA, Ricardo RODRIGUES-PINTO, José MURAS (PORTUGAL)
- 47938 PERCUTANEOUS CORRECTION OF HALLUX VALGUS DEFORMITY: CLINICAL AND RADIOGRAPHIC EVALUATION AND COMPLICATIONS**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Luís BARROS, João ESTEVES, Pedro LEITE, Luís COSTA, José MURAS (PORTUGAL)
- 47947 PERCUTANEOUS CORRECTION OF HALLUX VALGUS DEFORMITY: CLINICAL, RADIOGRAPHIC AND COMPLICATIONS**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Pedro NEVES, Luís BARROS, João ESTEVES, Daniel SOARES, José MURAS (PORTUGAL)
- 48457 TREATMENT OF HALLUX VALGUS USING THE ISHAM REVERDIN PERCUTANEOUS TECHNIQUE: ABOUT THE 262 MOROCCAN CASES**
Ali EL KOHEN (MOROCCO)

- 48518 RESULTS OF CORRECTION OF NEGLECTED COMPLEX FOOT DEFORMITIES**
Gaurav SANJAY, Bhupendra K.S. SANJAY, Sujata SANJAY (INDIA)
- 48593 FOOT POSTURE INDEX: A STUDY OF OBSERVER RELIABILITY AND CORRELATION WITH PEDCT**
Matthew WELCK, James THORNTON, Bosun BURAIMOH, Nicholas CULLEN, Andrew GOLDBERG, Dishan SINGH (UNITED KINGDOM)
- 48702 MORTON'S NEUROMA – OPEN VERSUS PERCUTANEOUS SURGERY**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Luís BARROS, João ESTEVES, Luís COUTINHO, Luís COSTA, André GOMES (PORTUGAL)
- 48759 TIBIOTALOCALCANEAL ARTHRODESIS IN CHARCOT ARTHROPATHY**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Bruno MAIA, Luís BARROS, João ESTEVES, Daniel SOARES, José MURAS (PORTUGAL)

Foot and Ankle – Foot Trauma

- 46189 A NOVEL TECHNIQUE FOR AN UNUSUAL PROBLEM - BIOABSORBABLE NAIL FIXATION FOR METATARSAL HEAD FRACTURE**
Thomas HESTER, Ben BARKHAM, Rory CUTHBERT, Laurence JAMES (UNITED KINGDOM)
- 46288 ANATOMICAL EVALUATION OF CALCANEUS IN PATIENTS FOR ACCURATE OPEN REDUCTION AND INTERNAL FIXATION**
Jumpei INOUE, Makoto FUKUTA, Kunio YAMADA (JAPAN)
- 46374 FUNCTIONAL OUTCOMES AFTER FRACTURE-DISLOCATION OF THE ANKLES**
Direk TANTIGATE¹, Gavin HO², Joshua KIRSCHENBAUM², Christina FREIBOTT², Benjamin ASHERMAN², Justin GREISBERG², Turner VOSSELLER²
¹(THAILAND), ²(UNITED STATES)
- 46524 OPERATIVE OUTCOME OF HIGH ENERGY PILON FRACTURES: A RETROSPECTIVE COMPARISON BETWEEN INTERNAL FIXATION AND ILIZAROV EXTERNAL FIXATION**
Naresh Kumar PANIGRAHI, Satya Ranjan PATRA, Dasarath KISAN, Dibya Singha DAS, Saswat SAMANT, Medini MANOJ, Anmol SHIV (INDIA)
- 47246 SPONTANEOUS TIBIALIS ANTERIOR TENDON RUPTURE: TREATMENT AND OUTCOMES**
Pedro Manuel SERRANO, João ROSA, Helder FONTE, João ESTEVES, Luis BARROS, Marta SANTOS SILVA, Luis COSTA, André GOMES (PORTUGAL)
- 47496 A SYSTEMATIC REVIEW INVESTIGATING THE EFFECTIVENESS OF SURGICAL VERSUS CONSERVATIVE MANAGEMENT OF ANKLE FRACTURES IN ADULTS**
Lugman ELGAYAR, Arnall FRANCES, Jim BARRIE, Walid BEN-NAFA, Mohammed ELMAJEE (UNITED KINGDOM)
- 47519 FACTORS AFFECTING EARLY SINGLE HEEL RAISE AFTER REPAIR OF ACHILLES TENDON RUPTURE**
Jin Soo SUH, Lee MOSES, Shin MYUNG JIN (SOUTH KOREA)
- 47697 HYDROKINESITHERAPY APPROACH POST MEDIAL ANKLE LIGAMENOUS COMPLEX RECONSTRUCTION**
Francesco PISANU, Elena AIELLO, Marco CORDA, Sebastiano ORTU (ITALY)
- 47705 LIMIT VY FLAP IN CHRONIC ACHILLES TENDON RUPTURES**
Rebeca GARCIA BARCENILLA, Sara GARCIA GONZALEZ, Luis Alejandro GIRALDO VEGAS, Laura ALONSO VIANA, Marta DE PRADO TOVAR, Mónica FERNANDEZ ALVARES, Sergio GARCÍA GRANJA, Santiago PLAZA GARCIA (SPAIN)
- 47815 ARTHROSCOPIC REPAIR FOR CHRONIC ANKLE INSTABILITY – AN EFFECTIVE ALTERNATIVE TO OPEN REPAIR**
Yousufuddin SHAIK, Samena CHAUDHRY, Ashgar Seyed ALI, Kamal Faheem ALI (UNITED KINGDOM)
- 47945 FRACTURE OF THE 3RD METATARSAL BONE OF THE RIGHT FOOT - CLINICAL CASE**
Marta Sofia SANTOS SILVA, Pedro BARREIRA, Pedro NEVES, Pedro LEITE, Helder FONTE, Claudia RODRIGUES, José MURAS (PORTUGAL)
- 47946 MOSAICOPLASTY IN THE TREATMENT OF OSTEOCHONDRAL ANKLE INJURIES**
Marta Sofia SANTOS SILVA, Luís COUTINHO, Luís BARROS, João ESTEVES, Helder FONTE, Daniel SOARES, Luís COSTA (PORTUGAL)
- 47959 FRAGMENT SPECIFIC FIXATION OF TRIMALLEOLAR FRACTURES UTILISING THE POSTEROLATERAL APPROACH**
Jagandeep VIRK, Sandeep GUPTA, Sudhir Kumar GARG (INDIA)

- 48163 LATE RESULTS OF CALCANEUS FRACTURES SURGICAL TREATMENT**
Evita RUMBA, Laura ANDERSONE (LATVIA)
- 48444 CLOSED MEDIAL TOTAL SUBTALAR JOINT DISLOCATION WITHOUT ANKLE FRACTURE: A CASE REPORT**
Raghav RAVI (INDIA)
- 48710 OPEN TIBIAL SHAFT FRACTURE - CLINICAL CASE**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Manuel MARQUES, Bruno CORREIA, Diogo PASCOAL, Helder FONTE (PORTUGAL)
- 48769 OPEN FRACTURE OF TALUS**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Bruno MAIA, Bruno CORREIA, Xará FRANCISCO, Helder FONTE, Joaquim RAMOS, Oliveira VÂNIA (PORTUGAL)

Foot and Ankle – Miscellaneous

- 46371 ANATOMY OF THE ANKLE CAPSULE: A CADAVERIC STUDY**
Direk TANTIGATE¹, Peter NOBACK², Mani SEETHARAMAN², Justin GREISBERG², Turner VOSSELLER²
¹(THAILAND), ²(UNITED STATES)
- 46444 EFFECTS OF WHOLE-BODY VIBRATION ON THE FLEXIBILITY OF THE TRICEPS SURAE AND PEAK VENOUS VELOCITY DURING ACTIVE ANKLE EXERCISE**
Kouji TSUDA, Naonobu TAKAHIRA, Haruna SUDO, Kenta SAKAI, Miki SAKAMOTO (JAPAN)
- 46445 INTERMITTENT PNEUMATIC COMPRESSION INCREASES THE PEAK VENOUS VELOCITY OF THE FEMORAL VEIN DURING ACTIVE ANKLE EXERCISE**
Kenta SAKAI, Naonobu TAKAHIRA, Miki SAKAMOTO, Haruna SUDO, Kouji TSUDA (JAPAN)
- 46727 PRE-REDUCTION X-RAYS IN ANKLE FRACTURES WITH DISLOCATION: DOES IT POSE HARM?**
Azeem THAHIR, Tim MAHESWARAN, Tim WILLIAMS (UNITED KINGDOM)
- 46743 TRIPLE ARTHRODESIS FOR SUBTALAR OSTEOARTHRITIS**
Suraj Verma BUDDHARAJU (INDIA)
- 47319 EFFECTS OF WEARING SHOES ON THE FEET: RADIOGRAPHIC COMPARISON OF MIDDLE-AGED PARTIALLY SHOD MAASAI WOMEN'S FEET AND REGULARLY SHOD MAASAI AND KOREAN WOMEN'S FEET**
Jin Soo SUH, Jun Young CHOI (SOUTH KOREA)
- 48028 A RARE SWELLING OF FOREFOOT AND TOES DIAGNOSIS IS AN ENIGMA: CONFIRMATION BY INTRA-OPERATIVE ASSESSMENT AND HISTOPATHOLOGICAL EXAMINATION**
Pankaj Kumar SHARMA (INDIA)
- 48239 TARSAL CANAL SYNDROME SECONDARY TO SYNOVIAL CYST: ABOUT A CASE**
Youssef BENYASS, Mohammed BOUSSAIDANE, Valdumir Ravid MENDES TEIXEIRA, Salim BOUABID, Driss BENCHEBBA, Bouchaib CHAFRY, Mostapha BOUSSOUGA (MOROCCO)
- 48671 DESTRUCTIVE PIGMENTED VILLONODULAR SYNOVITIS OF THE ANKLE JOINT – A CASE REPORT**
Manuel FERNANDES MARQUES, Bruno LOPES CORREIA, Joao MAIA ROSA, Luis LOPES COUTINHO, André DIAS CARVALHO, Daniel ESTEVES SOARES (PORTUGAL)
- 48723 A NEW RADIOLOGIC CLASSIFICATION OF TALOCALCANEAL COALITION BASED ON 3D RECONSTRUCTION**
Amel DJERBAL, Ahmed Fawzi NEDJAH (ALGERIA)
- 48842 OS TRIGONUM SYNDROME - CASE REPORT**
Nadia OLIVEIRA, Eduardo SALGADO, Sandra ALVES (PORTUGAL)

Foot and Ankle – Reconstruction

- 46328 TECHNIQUE USING THE MODIFIED ROLLING HITCH FOR SPLIT PERONEUS BREVIS TENDON TRANSFER IN LATERAL ANKLE STABILISATION**
Chih-Kai HONG, Wei-Ren SU, Sheng-Pin LO (TAIWAN)
- 47202 SINGLE INCISION FLEXOR HALLUCIS LONGUS TENDON TRANSFER IN CHRONIC ACHILLES TENDON RUPTURE**
Hossam ABUBEIH, Waleed SALEH, Wael EL-ADLY, Kamal EL-GAAFARY, Ahmed BADRI (EGYPT)
- 47206 RARE PRESENTATION OF BILATERAL SUBTALAR OSTEOARTHRITIS: PREVIOUS LEFTSIDED SUBTALAR ARTHRODESIS GONE TO NON-UNION**
Anantha Krishnan RAGHUPATHI, Syed RAZA (UNITED KINGDOM)

- 47358 A COMPARATIVE STUDY OF MINI INVASIVE RECONSTRUCTION OF NEGLECTED RUPTURED TENDOACHILLIS**
Jahangir JABED, Iqbal HOSSAIN (BANGLADESH)
- 47490 COMPARISON OF 25 ANKLE ARTHRODESES AND 25 ANKLE REPLACEMENTS AT MEAN FOLLOW-UP OF 67 MONTHS**
Nazim MEHDI¹, Alessio BERNASCONI²
¹(FRANCE), ²(ITALY)
- 47627 TIBIO-CALCANEAL INTRAMEDULLARY NAIL ARTHRODESIS IN POST-TRAUMATIC HIND FOOT AND ANKLE DEFORMITIES**
Pavel VOLOTOVSKI, Aleh KORZUN (BELARUS)
- 47695 DELTOID LIGAMENT RECONSTRUCTION WITH FREE GRACILIS AUTOGRAFT: A CASE REPORT**
Francesco PISANU, Marco CORDA, Sebastiano ORTU (ITALY)
- 47816 NEW TECHNIQUE FOR TIBIOTALAR ARTHRODESIS USING A NEW INTRAMEDULLARY NAIL DEVICE: A CADAVERIC STUDY**
Amr ABDELGAWAD, Emmanuel EISENSTEIN, Mario RODRIGUEZ (UNITED STATES)
- 47941 ARTHROPLASTY VERSUS ARTHRODESIS IN THE TREATMENT OF ANKLE OSTEOARTHRITIS - MEDIUM TERM RESULTS**
Marta Sofia SANTOS SILVA, Pedro NEVES, Bruno CORREIA, Pedro SERRANO, Pedro LEITE, Luís COSTA, André GOMES (PORTUGAL)
- 48022 COMPARISON OF THE MODIFIED BROSTRÖM PROCEDURE FOR CHRONIC LATERAL ANKLE INSTABILITY WITH AND WITHOUT SUBFIBULAR OSSICLE**
Keun-Bae LEE, Hyeon-Wook AHN, Min-Cheol KIM (SOUTH KOREA)
- 48024 COMPARISON OF INTERMEDIATE TO LONG-TERM OUTCOMES OF TOTAL ANKLE ARTHROPLASTY IN VARUS AND VALGUS ALIGNMENT COMPARED WITH NEUTRAL ALIGNMENT**
Keun-Bae LEE, Shao-Hua WANG, Gun-Woo LEE (SOUTH KOREA)
- 48184 A COMPARISON OF THE IP-JOINT FUNCTION AND PLANTAR PRESSURE DISTRIBUTION AFTER MTP-I-ARTHRODESIS IN PATIENTS WITH RHEUMATOID ARTHRITIS AND OSTEOARTHRITIS OF THE FIRST METATARSOPHALANGEAL JOINT**
Martin RESCHL (AUSTRIA)
- 48493 HALLUX VALGUS CORRECTION: AN OUTCOME STUDY COMPARING A SENIOR AND RESIDENT SURGEON**
Matthias WOLF, Gerwin BERNHARDT, Kelenc ULRICH, Heimo CLAR, Martin ORNIG, Andreas LEITHNER, Gerald GRUBER (AUSTRIA)
- 48651 A PROSPECTIVE STUDY ON HALLUX RIGIDUS TREATMENT WITH FIRST METATARSOPHALANGEAL JOINT IMPLANT ARTHROPLASTY**
Claudia RODRIGUES, Luis Henrique BARROS, João ESTEVES, Marta SILVA, Luis COUTINHO, Ricardo RODRIGUES-PINTO, José MURAS (PORTUGAL)
- 48788 ANEURYSMAL BONE CYST OF TALUS: A CASE REPORT**
Segla Pascal CHIGBLO, Eric LAWSON, Fiacre TIDJANI, Aristote HANS-MOEVI (BENIN)
- 48799 ARTHRODESIS OF THE FIRST METATARSOPHALANGEAL JOINT USING LOCKING PLATING SYSTEMS**
Kunovský RADEK (CZECH REPUBLIC)

Hand – Miscellaneous

- 46388 NORMAL RANGE OF MOTION OF THUMB METACARPOPHALANGEAL JOINT**
Tatsuki EBATA, Ikuo NAKAI, Akira KOGURE, Ken-Ichiro GOTO (JAPAN)
- 46735 SURGICAL TREATMENT OF RHIZARTHRITIS BY TRAPEZIECTOMY AND STABILISATION BY THE PALMARIS LONGUS TENDON (ABOUT 15 CASES)**
Kamel ACHOUR, Amir SERRI, Amine TOUHAMI, Abdelhalim OULD ROUIS, Nacer BOUALI, Mourad HAMIDANI (ALGERIA)
- 46910 PERCUTANEOUS SURGICAL RELEASE WITH SCALPEL 64 MIS MSP, IN THE TREATMENT OF THE TRIGGER FINGER**
Damian MIFSUT MIEDES, Juan MORENO RIVELLES (SPAIN)
- 47110 DO CLINICAL SIGNS OR INVESTIGATIONS INFLUENCE PATIENT REPORTED OUTCOMES FOLLOWING CARPAL TUNNEL DECOMPRESSION?**
Fahd MAHMOOD, Helen BETTS (UNITED KINGDOM)

- 48387 SIGNIFICANCE OF S-CRITERION IN EVALUATION OF THE FUNCTIONAL ABILITY OF HAND IN DIGITAL JOINTS CONTRACTURES**
Victor VOLOSHIN, Valeriy TSARYOV, Vladimir LITVINOV, Dmitriy MARTYENKO, Igor DOROZHKO, Saravanan SANKARANARAYANAN ARUMUGAM (RUSSIA)
- 48750 EVALUATING PATIENT SATISFACTION FOLLOWING TRAPEZIECTOMY PERFORMED UNDER DIFFERENT TYPES OF ANAESTHESIA**
Hammad PARWAIZ, Matthew HOWARD, Christopher JENKINS, Ilana LANGDON (UNITED KINGDOM)
- 48798 THE ROLE OF ULTRASONOGRAPHY FOR THE DIAGNOSIS OF CARPAL TUNNEL SYNDROME**
Andreas MAVROGENIS, Panayiotis MEGALOIKONOMOS, Evanthia MITSIOKAPA, Georgios PANAGOPOULOS, Vasileios IGOUMENOU, Dionysios DRAKOPOULOS (GREECE)

Hand – Reconstruction

- 47106 EFFECT OF TENOLYSIS FOR GLIDING RESISTANCE BETWEEN TENDON AND PULLEY FOLLOWING FLEXOR TENDON SUTURE: A BIOMECHANICAL STUDY IN A CANINE MODEL IN VIVO**
Jun NISHIDA, Yoshikuni MIMATA, Takashi KOYAMA, Toshiyuki TATEIWA, Taro NAGAI, Kengo YAMAMOTO (JAPAN)
- 48164 BIOCERAMIC MATERIALS IN ONCOLOGICAL RECONSTRUCTIVE HAND SURGERY**
Evgenij VARGANOV (RUSSIA)
- 48165 THE EFFECT OF LEECH THERAPY IN REGENERATIVE TREATMENT OF PATIENTS WITH PATHOLOGY OF THE HAND**
Evgenij VARGANOV, Mariam VARGANOVA (RUSSIA)
- 48409 BIOMECHANICAL STUDY OF TRAPEZIUM RESECTION ARTHROPLASTY OF THE TRAPEZIOMETACARPAL JOINT**
Junya HOJO¹, Naoki HAYAMI¹, Tsutomu KIRA¹, Shohei OMOKAWA¹, Kraissarin JIRACHART², Yasuhito TANAKA¹
¹(JAPAN), ²(THAILAND)
- 48546 SKIN PLASTIC IN COMBINATION WITH TRANSOSSEOUS OSTEOSITIS IN ONCOLOGICAL HAND SURGERY**
Evgenij VARGANOV (RUSSIA)
- 48735 CHRONIC FLEXOR TENDON LESIONS – RECONSTRUCTION USING HUNTER’S TECHNIQUE**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Luís BARROS, Sérgio FIGUEIREDO, Luís COSTA, Alexandre PEREIRA, Miguel TRIGUEIROS, César SILVA (PORTUGAL)

Hand – Trauma

- 46378 POST TRAUMATIC - ACUTE CARPAL TUNNEL SYNDROME**
Jameel SYED SUHAIB, Amanda HAWKINS, Roshin THOMAS (UNITED KINGDOM)
- 46983 ARTHRITIS OF THE WRIST AFTER A NEGLECTED TRAUMA: REVIEW OF 8 CASES**
Ahmed Racem GUIDARA, Zoubaier ELLOUZ, Wassim ZRIBI, Wajdi BOUAZIZ, Walid BEYA, Moez TRIGUI, Mohamed ZRIBI, Hassib KESKES (TUNISIA)
- 47236 PREDICTIVE VALUE OF ULTRASOUND SCANNING IN HAND AND WRIST CONDITIONS**
Khalid AL-HOURANI, David GAMBLE, Paul ARMSTRONG, Greg O'NEILL, Jim KIRKPATRICK (UNITED KINGDOM)
- 47377 ACUTE FLEXOR TENDON INJURY FOLLOWING MID-SHAFT RADIUS AND ULNA FRACTURES IN A PAEDIATRIC PATIENT: CASE REPORT AND LITERATURE REVIEW**
James WILLIAMS, Rupert WHARTON, Peter PEEV, Maxim HORWITZ (UNITED KINGDOM)
- 48240 DISLOCATIONS AND FRACTURES-DISLOCATIONS PERILUNAR OF THE CARP: ABOUT 8 CASES**
Youssef BENYASS, Mohammed BOUSSAIDANE, Valdumir Ravid MENDES TEIXEIRA, Bouchaib CHAFRY, Salim BOUABID, Driss BENCHEBBA, Mostapha BOUSSOUGA (MOROCCO)
- 48510 ARTHROSCOPY ASSISTED FIXATION FOR INTRAARTICULAR FRACTURE OF THE TRAPEZIUM**
Soya NAGAO, Yoshiaki TOMIZUKA, Koji TANIMOTO, Yasuhiro TOYOIZUMI, Masahiro NAGAOKA, Yasuaki TOKUHASHI (JAPAN)
- 48740 TWO-SCREW FIXATION FOR TWO-PART SCAPHOID PROXIMAL POLE NON-UNION**
Waheeb AL-AZZANI, Kueni IGBAGIRI, Andrew MCMURTRIE (UNITED KINGDOM)

- 48791 INTRA-ARTICULAR DISTAL RADIAL FRACTURES WITH 90° OR 180° TWISTED LUNATE FACET - STUDY OF 7 CASES: ADVANTAGES OF A VOLAR MEDIAL APPROACH**
 Andre-Pierre UZEL, Issam AIT HADJ SLIMAN, Caesar TOMMEH, Than NGOC DANH, Gamal AYOUBA, Alioune BADARA DIOUF (GUADELOUPE)

Hip – Arthroplasty

- 46184 THE OUTCOMES OF THE SHORT STEM TOTAL HIP ARTHROPLASTY IN PATIENTS 50 YEARS OR YOUNGER WITH OSTEONECROSIS OF THE FEMORAL HEAD**
 Yingyong SUKSATHIEN (THAILAND)
- 46195 INTRA-OPERATIVE SEQUENTIAL STRETCHING TO REDUCE “DIFFICULT-TO-REDUCE” TOTAL HIP REPLACEMENT**
 Sudhir Kumar GARG (INDIA)
- 46281 CHRONIC DIALYSIS IS ASSOCIATED WITH IMPLANT LOOSENING IN PATIENTS UNDERGOING HIP HEMIARTHROPLASTY FOR FEMORAL NECK FRACTURES**
 Benjamin DING (SINGAPORE)
- 46321 RECENT CHANGES OF RADIOLOGICAL FINDINGS AND PATIENTS’ BACKGROUND OF RHEUMATOID HIP**
 Yuichi MOCHIDA, Naoto MITSUGI, Tomoyuki SAITO (JAPAN)
- 46364 ANALYSIS AND TREATMENT STRATEGY OF INTRA-OPERATIVE ACETABULAR FRACTURES DURING TOTAL HIP ARTHROPLASTY**
 Youqiang SUN, Min SHAO, Qingsheng WANG, Ting HE, Leilei CHEN, Xuting ZOU, Zhinan HONG, Wei HE (CHINA)
- 46411 PERIPROSTHETIC FEMORAL FRACTURES ASSOCIATED WITH TOTAL HIP REPLACEMENT**
 Andris JUMTINS, Inese BREIDE, Ruta JAKUSONOKA, Silvestris ZEBOLDS (LATVIA)
- 46483 TOTAL HIP ARTHROPLASTY IN PROXIMAL FEMUR NON-UNIONS**
 Valeriy Y. MURYLEV, Yaroslav RUKIN (RUSSIA)
- 46538 “THE DAY I WALKED...” TKA AND THA IN ANKYLOSED JOINTS IN GROSS FLEXION: A SURGICAL CHALLENGE (CASE REPORT)**
 Arun Kumar PANDEY, Sumit ANAND, C.S YADAV (INDIA)
- 46543 OLD UNREDUCED TOTAL HIP ARTHROPLASTY - TREATMENT AND RESULTS**
 Dariush GOURAN SAVADKOOHI, Babak SIAVASHI (IRAN)
- 46565 REFRACTORY PERIPROSTHETIC HIP ARTHROPLASTY INFECTION, RISK FACTOR EVALUATION AND TREATMENT WITH DIRECT LOCAL ANTIBIOTIC INJECTION - AN EXPERIMENTAL STUDY**
 Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46566 CEMENTED LINER IN CEMENTLESS CUP, INDICATIONS AND RESULTS**
 Dariush GOURAN SAVADKOOHI, Babak SIAVASHI (IRAN)
- 46580 PREEMPTIVE ETORICOXIB SUPERIORITY IN TREATING PAIN AFTER TOTAL HIP REPLACEMENT**
 Sergejs ZADOROZNIJS, Deniss VALTERS, Iveta GOLUBOVSKA (LATVIA)
- 46585 OUR PROPHYLAXIS STRATEGY (INCLUDING CONVENTIONAL-SCRUB AND WATERLESS SURGICAL-HAND-ANTISEPSIS METHODS) ACHIEVED 0% EARLY PROSTHETIC JOINT INFECTION AFTER TOTAL HIP ARTHROPLASTY - A RETROSPECTIVE COHORT STUDY**
 Hideo ONISHI, Manabu TSUKAMOTO, Toshiharu MORI, Daisuke IKEI, Daishi HAMADA, Satoshi OKABE, Fumitaka HIRANO, Teppei MURAI, Masahisa HATAKEYAMA, Michiharu HARA, Shuichi KAMEGAWA (JAPAN)
- 46588 MANAGING DYSPLASIA IN DEVELOPMENTAL HIP DYSPLASIA, NEGLECTED TRAUMA AND SEQUELAE SEPTIC ARTHRITIS**
 Mrinal SHARMA (INDIA)
- 46630 HUGE HEMORRHAGIC CYST DESTROYING INNER TABLE OF ILIAC BONE ACCOMPANYING WITH RAPIDLY PROGRESSIVE PERIPROSTHETIC OSTEOLYSIS AFTER TOTAL HIP ARTHROPLASTY: A CASE REPORT**
 Daishi HAMADA, Toshiharu MORI, Manabu TSUKAMOTO, Soshi UCHIDA, Hideo ONISHI, Satoshi OKABE, Akinori SAKAI (JAPAN)
- 46691 IN VITRO DATA SUGGEST REVERSIBILITY OF MOM WEAR INDUCED DECREASE IN OSTEOGENIC CAPACITY OF MESENCHYMAL STROMAL CELLS**
 Anastasia RAKOW, Georg DUDA, Carsten PERKA, Janosch SCHOON (GERMANY)

- 46700 TOTAL HIP ARTHROPLASTY AFTER POOR ACETABULAR FRACTURES TREATMENT OUTCOME**
Valeriy Y. MURYLEV, Yaroslav RUKIN (RUSSIA)
- 46718 10 YEARS' SURVIVAL ANALYSIS OF ZWEYMULLER ALLOCLASSIC STEM**
Mikheil ZIMLITSKI, Levan NATCKEBIA, Vaga GAPHRINDASHVILI, George LORIA, George ZIMLITSKI (GEORGIA)
- 46729 A CONSTRAINED TRIPOLAR LINER CEMENTED INTO THE TANTALUM REVISION ACETABULAR SHELL: INDICATIONS AND OUTCOMES**
Rejith Valsalan MANNAMBETH, Neil BERGMAN (AUSTRALIA)
- 46756 LARGE HEAD TOTAL HIP ARTHROPLASTY IN DYSPLASTIC HIP DISORDER, SHORT TERM RESULTS**
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46770 PREOPERATIVE EVALUATION OF ACETABULAR BONE DEFECT: A COMPARATIVE STUDY BETWEEN SIMPLE RADIOGRAPH, 2D-CT IMAGES AND 3D RECONSTRUCTED IMAGES**
Shin-Yoon KIM (SOUTH KOREA)
- 46772 ROLE OF COXO FEMORAL BYPASS IN UNSTABLE TROCHANTERIC FRACTURES**
Ramchander SIWACH, Karan SIWACH (INDIA)
- 46794 BIOMECHANICAL CHARACTERISTIC OF LOWER LIMB FUNCTION IN PATIENTS WITH ASEPTIC INSTABILITY OF THE HIP JOINT ENDOPROSTHESIS**
Ludmila PASHKEVICH, Anna ZAROVSKAYA, Andrei VORONOVICH, Mohammad Taher MOHAMMADI, Olga VASKO (BELARUS)
- 46800 PATHOLOGICAL ASSESSMENT OF PERIPROSTHETIC TISSUE FOLLOWING TOTAL HIP ARTHROPLASTY**
Ludmila PASHKEVICH, Mohammad Taher MOHAMMADI, Andrei VORONOVICH, Anna ZAROVSKAYA (BELARUS)
- 46811 CURVED LATERAL FEMORAL CORTEX ENGAGING SHORT STEM: AN UNPREDICTABLE REPRODUCIBILITY OF HIP GEOMETRY IN TOTAL HIP ARTHROPLASTY**
Kwang-Jun OH, Suktae YOON, Do-Kyung LEE, Je Hyun YOO (SOUTH KOREA)
- 46855 EXCELLENT OUTCOME AFTER MINIMUM 5 YEARS' FOLLOW-UP PERIOD FOLLOWING SHORT STEM HIP ARTHROPLASTY**
Kalman TOTH, Gyula KOVACS, Gabor JANOSITZ, Katalin GION, Csaba GOMBAR, Krisztian SISAK (HUNGARY)
- 46865 CALCULATION OF POWER DISTRIBUTION ON THE EDGE OF CONTACT POINTS BETWEEN FEMORAL COMPONENT OF THE HIP PROSTHESIS AND THE FEMUR IN REALISTIC CONDITIONS**
Taras NIZALOV, Viktor TORCHYNSKII, Roman KOZAK, Oleksandr HALUZYNSKII, Ludmila SHMELYOVA, Anatolii SUPRUN (UKRAINE)
- 46881 A MODULAR SYSTEM FOR REVISION HIP ARTHROPLASTY**
Rocco ERASMO, Luigi GUERRA, Federico VISCI, Domenico MARINELLI (ITALY)
- 46904 RETURN TO PROFESSIONAL ACTIVITY OF PATIENTS, SURGICALLY TREATED FOR COXARTHROSIS BY TOTAL CEMENTLESS HIP JOINT ALLOPLASTY**
Marek DROBNIOWSKI, Andrzej BOROWSKI, Magdalena KRASINSKA, Marcin SIBINSKI, Marek SYNDER (POLAND)
- 46949 INCIDENCE OF HETEROTOPIC OSSIFICATION FOLLOWING A MULTIMODAL PAIN PROTOCOL IN TOTAL HIP ARTHROPLASTY WITH THE POSTERIOR APPROACH**
Morteza MEFTAH, Peter WHITE, Narges GHAZI, Amar RANAWAT, Chitranjan RANAWAT (UNITED STATES)
- 46954 TRANEXAMIC ACID REDUCES BLOOD LOSS AND TRANSFUSION RATE IN OBESE PATIENTS UNDERGOING TOTAL JOINT ARTHROPLASTY**
Morteza MEFTAH, Peter WHITE, Ira KIRSCHENBAUM (UNITED STATES)
- 46955 SAFETY CRITERIA FOR SHORT HOSPITAL STAY AFTER TOTAL JOINT REPLACEMENT**
Morteza MEFTAH, Peter WHITE, Ira KIRSCHENBAUM (UNITED STATES)
- 46965 MID-TERM RESULTS OF TRIDENT CERAMIC ON CERAMIC TOTAL HIP ARTHROPLASTY**
Tadahiro HIGUCHI, Shinji YOSHIOKA, Shunji NAKANO, Yutaka KINOSHITA, Masahiro KASHIMA, Masaru NAKAMURA, Takashi CHIKAWA, Koichi SAIRYO (JAPAN)
- 46975 TOTAL HIP ARTHROPLASTY USING INTERMITTENT BOLUS INJECTIONS OF RECOMBINANT FACTOR VIII FOR HAEMOPHILIA A CARRIER: CASE REPORT**
Takuya KURIHARA, Tuyoshi NAKAI (JAPAN)
- 46989 RESULTS OF ACETABULAR RECONSTRUCTION IN THR FOR UNTREATED ACETABULAR FRACTURES**
Buddhadeb CHATTERJEE (INDIA)

- 47000 TOTAL HIP REPLACEMENT WITH MONOBLOCK CERAMIC CUP IN HIGH DEMAND PATIENTS**
Valeriy Y. MURYLEV, Yaroslav RUKIN, Grigoriy KUKOVENKO (RUSSIA)
- 47017 AMINOCAPRONIC ACID EFFECT IN REDUCING POSTOPERATIVE BLEEDING AFTER TOTAL JOINT REPLACEMENT**
Viorel VETRILA, Roman SADOVSKYI (MOLDOVA)
- 47031 TOTAL HIP ARTHROPLASTY INDICATED FOR A TUBERCULOUS COXITIS COMPLICATING A CONTROLLED ACQUIRED IMMUNODEFFICIENCY SYNDROME CONDITION: A PRELIMINARY REPORT CONCERNING A CASE**
Theophil Chunteng NANA (CAMEROON)
- 47079 ACETABULAR DE-ESCALATION IN HIP REVISION**
Fabrizio RIVERA, Alessandro BARDELLI (ITALY)
- 47100 INTRAOPERATIVE AND POSTOPERATIVE COMPLICATIONS OF THE ANTERIOR MINIMALLY INVASIVE SURGERY (AMIS) FOR TOTAL HIP ARTHROPLASTY**
Panagiotis LEPETSOS, Anastasios GKETSOS, Christos MILARAS, Ioannis GIANNARIS, Dimitrios TZEFRONIS, George KARAGIANNIS, George MACHERAS (GREECE)
- 47113 OPTIMAL ADMINISTRATION METHOD OF TRANEXAMIC ACID (TXA) IN TOTAL HIP REPLACEMENT WITH ANTERIOR MINIMALLY INVASIVE SURGERY (AMIS)**
Panagiotis LEPETSOS, Christos MILARAS, Anastasios GKETSOS, Ioannis GIANNARIS, Nikolaos MANOLIS, Dimitrios TZEFRONIS, George MACHERAS (GREECE)
- 47203 METAL ON METAL HIP REPLACEMENTS - 10 YEARS' FOLLOW-UP**
Ahmed BAKR, Arif RAZAK, Harriet KENNEDY, Rama MOHAN, Aslam CHOUGLE (UNITED KINGDOM)
- 47242 CEMENTLESS VERSUS CEMENTED BIPOLAR ARTHROPLASTY IN FEMORAL NECK FRACTURES: A SYSTEMATIC REVIEW WITH META-ANALYSIS**
Khaled Hamed SALEM¹, Ahmed Fikry ELMENSHAWY², Markus TINGART²
¹(EGYPT), ²(GERMANY)
- 47261 COMPARISON OF CLINICAL AND RADIOGRAPHIC OUTCOMES BETWEEN SHORT, CURVED STEM AND TAPERED, WEDGED STEM OF CEMENTLESS TOTAL HIP ARTHROPLASTY**
Kyung-Soon PARK¹, Chee-Ken CHAN², Dong-Hyun LEE¹, Taek-Rim YOON¹
¹(SOUTH KOREA), ²(MALAYSIA)
- 47263 MIDTERM FUNCTIONAL OUTCOME AND COMPLICATIONS AFTER CONVERSION OF FAILED BIPOLAR HEMIARTHROPLASTY TO TOTAL HIP**
Kyung-Soon PARK¹, Chee-Ken CHAN², Dong-Hyun LEE¹, Taek-Rim YOON¹
¹(SOUTH KOREA), ²(MALAYSIA)
- 47266 OUTCOME ANALYSIS OF HIP OR KNEE ARTHROPLASTY IN PATIENTS WITH CIRRHOTIC LIVER DISEASE**
Kyung-Soon PARK, Young-Jun SEOL, Taek-Rim YOON, Dong-Hyun LEE (SOUTH KOREA)
- 47278 CLINICAL OUTCOMES OF TOTAL HIP ARTHROPLASTY IN PATIENTS WITH SEVERE HIP CONTRACTURE**
Yutaka KINOSHITA, Shunji NAKANO, Shinji YOSHIOKA, Masaru NAKAMURA, Koichi SAIRYO (JAPAN)
- 47336 COST ANALYSIS ON VIRTUAL CLINIC FOLLOW-UP AFTER PRIMARY JOINT ARTHROPLASTY**
Mathias NAGY, Lara JAYATILAKA, James FOUNTAIN (UNITED KINGDOM)
- 47368 FEMORAL PROSTHESIS TRUNNION FRACTURE FOLLOWING LARGE METAL ON METAL UNCEMENTED TOTAL HIP ARTHROPLASTY: A CASE REPORT**
Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)
- 47393 TOTAL JOINT REPLACEMENT FOLLOWING FAILED HEMIARTHROPLASTY**
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 47430 METAL ON METAL TOTAL HIP ARTHROPLASTY: A LOCAL EXPERIENCE IN SINGAPORE**
Yew Lok WOO, Adriel TAY, Ngai Nung LO (SINGAPORE)
- 47466 FUNCTIONAL EVALUATION OF PATIENTS WITH INFLAMMATORY ARTHRITIS UNDERGOING MULTIPLE JOINT REPLACEMENT - A RETROSPECTIVE STUDY ANALYSIS**
Rajiv Vasant KULKARNI, Shubhranshu Shekhar MOHANTY, Tushar Narayan RATHOD, Prashant KAMBLE (INDIA)
- 47467 ELECTROCUTED HIP**
Siddharth SHARMA, Sumit ARORA (INDIA)
- 47477 FAST TRACK SURGERY AND EARLY MOBILISATION IN PATIENTS WITH TOTAL HIP ARTHROPLASTY AND A CEMENTLESS PRESS-FIT TITANIUM CUP**
Michael CLARIUS, Guido MOHR, Patrick BEST, Zoltan SZÖKE (GERMANY)

- 47502 MANAGEMENT OF PERIPROSTHETIC HIP JOINT INFECTIONS WITH ONE-STAGE, TWO-STAGE AND UNCOMPLETED TWO-STAGE EXCHANGE ARTHROPLASTY: A SINGLE-CENTER STUDY**
Peteris STUDERS (LATVIA)
- 47521 IMAGELESS NAVIGATION TOTAL HIP ARTHROPLASTY - AN EVALUATION OF OPERATIVE TIME**
Epaminondas VALSAMIS, Adnan HUSSAIN, Amir-Reza JENABZADEH (UNITED KINGDOM)
- 47552 SHORT-TERM OUTCOME AND COMPLICATIONS AFTER PRIMARY TOTAL HIP REPLACEMENT USING CONTEMPORARY TITANIUM TAPERED WEDGE CEMENTLESS FEMORAL STEM**
Shunji NAKANO, Shinji YOSHIOKA, Masaru NAKAMURA, Yutaka KINOSHITA, Koichi SAIRYO (JAPAN)
- 47572 TOPICAL TRANEXAMIC ACID IS EQUIVALENT TO TARGETED PREOPERATIVE AUTOLOGOUS BLOOD DONATION IN TOTAL HIP ARTHROPLASTY**
Kilian RUECKL¹, Maximilian KASPAREK², Martin FASCHINGBAUER³, Wenzel WALDSTEIN², Cosima BOETTNER¹, Friedrich BOETTNER¹
¹(UNITED STATES), ²(AUSTRIA), ³(GERMANY)
- 47590 TOTAL HIP ARTHROPLASTY FOR JUVENILE HIP OSTEOARTHRITIS IN ADOLESCENCE: TWO-CASE REPORTS**
Domenico CURCI, Carlo SINICATO, Ilaria MORELLI, Francesco LUCERI, Giovanni RAVASIO, Domenico RAVIER (ITALY)
- 47599 PREVENTION OF PERIPROSTHETIC CRACK PROPAGATION IN FEMORAL CORTICAL BONE – INFLUENCE OF METALLIC AND NON-METALLIC CERCLAGE SYSTEMS**
Christian FAESSLER¹, Lukas KUSTER²
¹(SWITZERLAND), ²(AUSTRALIA)
- 47613 ARE DUAL MOBILITY TOTAL HIP ARTHROPLASTY REVISION FOR INFECTION MORE FREQUENT THAN STANDARD THA?**
Jean Louis PRUDHON, Moussa HAMADOUCHE, Christian DELAUNAY, Regis VERDIER (FRANCE)
- 47620 INTÉGRA™ CUPS: CONCEPT, SURGICAL TECHNIQUE, OUTCOMES WITH A MAXIMUM FOLLOW-UP OF 11 YEARS**
Jean Louis PRUDHON, Pierre DESBONNET (FRANCE)
- 47654 RECONSTRUCTION PLATE-BASED ANTIBIOTIC CEMENT SPACERS FOR INFECTED TOTAL HIP ARTHROPLASTIES: CLINICAL OUTCOMES AND DESCRIPTION OF TECHNIQUE**
Aditya V. MAHESHWARI, Robert PIVEC, Bhavleen KAPADIA, Peter ZHOU, Denis CHERKALIN, Kemjika ONUOHA, Qais NAZIRI, Dipal CHATTERJEE, Emmanuel ILLICAL (UNITED STATES)
- 47661 EXTREMELY INCREASED RISK PERIPROSTHETIC INFECTION IN COMBINED SICKLE CELL-THALASSEMIA DISEASE FOLLOWING TOTAL HIP ARTHROPLASTY**
Aditya V. MAHESHWARI, Robert PIVEC, Qais NAZIRI, Dipal CHATTERJEE, Preston GRIECO, Kimona ISSA, Frank SEGREGO, George BANNING, David HIP-FLORES, Michael MONT, Emmanuel ILLICAL (UNITED STATES)
- 47662 IS ORTHOPAEDIC DEPARTMENT TEACHING STATUS ASSOCIATED WITH ADVERSE OUTCOMES OF PRIMARY TOTAL HIP ARTHROPLASTY?**
Aditya V. MAHESHWARI, Dean PERFETTI, Matthew BOYLAN, Frank SEGREGO, Qais NAZIRI, Randa ELMALLAH, Carl PAULINO, Emmanuel ILLICAL, Michael MONT (UNITED STATES)
- 47674 MANAGEMENT OF VANCUOVER B1 PERIPROSTHETIC FEMORAL SHAFT FRACTURE BY REVERSED CONTRALATERAL DISTAL FEMUR LOCKING PLATE**
Devarshi RASTOGI¹, Shah WALIULLAH², Rajeshwar Nath SRIVASTAVA²
¹(LESOTHO), ²(INDIA)
- 47692 PERIOPERATIVE COMPLICATIONS AND CAUSES OF 30 AND 90-DAY READMISSION AFTER DIRECT ANTERIOR APPROACH TOTAL HIP ARTHROPLASTY**
Christophe NICH, Eric SALI, Jean Luc MARMORAT, Fabrice GAUDOT (FRANCE)
- 47715 OUTCOMES FOLLOWING TOTAL HIP REPLACEMENTS FOR FEMORAL HEAD OSTEO NECROSIS IN SICKLE CELL PATIENTS**
Donald OSARUMWENSE, Mohamed FAROOK, Patrick LI (UNITED KINGDOM)
- 47758 BLOOD ON SCREWDRIVER TIP TO AID SCREW INSERTION AT DEPTH IN HIP ARTHROPLASTY**
Alex CHOWDHURY, Obinna NZEAKO, Birgeris PAULIUS, Max EDWARDS (UNITED KINGDOM)
- 47790 EARLY DIAGNOSIS OF PERIPROSTHETIC INFECTION OF THE HIP AND KNEE JOINTS**
Victor VOLOSHIN, Anatolij EREMIN, Sergey OSHKUKOV, Saravanan SANKARANARAYANAN ARUMUGAM, Nikolai VARLAMOV (RUSSIA)
- 47794 TOTAL HIP ARTHROPLASTY AFTER PREVIOUS COMBINED CHIARI PELVIC AND FEMORAL VALGUS OSTEOTOMIES**
Takuya URYU, Takahiro OKAWA, Shinichiro KUME (JAPAN)

- 47838 RESULTS OF TOTAL HIP REPLACEMENT IN YOUNG PATIENTS OF AGE <35 YEARS**
Vijay KUMAR, Roshan BANJARA, Deep SRIVASTAVA, Rajesh MALHOTRA (INDIA)
- 47887 HIP-SPINE SYNDROME IN THE ETIOPATHOGENESIS OF AVASCULAR NECROSIS OF THE FEMORAL HEAD**
Viktor SHILNIKOV, Alexey DENISOV, Rashid TIKHILOV, Igor SHUBNYAKOV (RUSSIA)
- 47930 THE INDIVIDUAL APPROACH TO CORRECTION LEG LENGTH WITH TOTAL HIP REPLACEMENT**
Viktor SHILNIKOV, Alexey DENISOV, Rashid TIKHILOV, Igor SHUBNYAKOV (RUSSIA)
- 47948 ACCESS TO THE ISCHIUM: A SIMPLE EXTENSION OF THE POSTERIOR APPROACH IN REVISION HIP ARTHROPLASTY**
Kilian RUECKL¹, Maximilian KASPAREK², Friedrich BOETTNER¹
¹(UNITED STATES), ²(AUSTRIA)
- 47961 CHANGES IN PATIENT DEMOGRAPHICS, SOCIO-ECONOMIC CHARACTERISTICS, SURGICAL FACTORS AND OUTCOMES OF TOTAL HIP REPLACEMENT IN SWEDEN: AN ANALYSIS OF 193,253 OPERATIONS**
Peter CNUUDE¹, Szilard NEMES², Bülow ERIK², John TIMPERLEY¹, Johan KÄRRHOLM², Henrik MALCHAU², Göran GARRELICK², Ola ROLFSON²
¹(UNITED KINGDOM), ²(SWEDEN)
- 47963 LIFE-PATH FOLLOWING TOTAL HIP REPLACEMENT**
Peter CNUUDE¹, Nemes SZILARD², Erik BÜLOW², John TIMPERLEY¹, Johan KÄRRHOLM², Ola ROLFSON²
¹(UNITED KINGDOM), ²(SWEDEN)
- 47983 TREATMENT FOR PERIPROSTHETIC FEMORAL FRACTURE AFTER TOTAL HIP ARTHROPLASTY AND BIPOLAR HIP ARTHROPLASTY**
Takayuki KITAHARA, Tuyoshi NAKAI (JAPAN)
- 47997 MINIMALLY INVASIVE OSTEOSYNTHESIS IN VANCOUVER TYPE B1 PERIPROSTHETIC FEMORAL SHAFT FRACTURES**
Byung Woo MIN, Kyung-Jae LEE, Jae-Won JUNG, Gi-Hyun NAM (SOUTH KOREA)
- 48067 TOTAL HIP ARTHROPLASTY: A SOLUTION FOR PREVIOUSLY FUSED HIP**
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 48170 CORTICAL WINDOW FOR REMOVAL OF FEMORAL COMPONENTS IN REVISION TOTAL HIP REPLACEMENT**
Sharad SINGHAI, Srikant GANDAVARAM, Deepak HERLEKAR, Kuntal PATEL (UNITED KINGDOM)
- 48176 TOTAL HIP ARTHROPLASTY IN YOUNG ADULT - RECOVERY OF PHYSICAL FUNCTIONING**
Mohammed AMJAD HOSSAIN (BANGLADESH)
- 48180 INS AND OUTS OF PERIPROSTHETIC FRACTURE AFTER TOTAL HIP ARTHROPLASTY**
Mohammed AMJAD HOSSAIN (BANGLADESH)
- 48182 OSSEOINTEGRATION IN UNCEMENTED TOTAL HIP ARTHROPLASTY - 5 YEARS' FOLLOW-UP**
Mohammed AMJAD HOSSAIN (BANGLADESH)
- 48199 SURVIVORSHIP OF THE ALLOCLASSIC UNCEMENTED HIP ARTHROPLASTY – FACTORS AFFECTING OUTCOME**
Elena NEMECEK, Franz RATZINGER, Sandra STENICKA, Christoph STIHSEN, Reinhard WINDHAGER, Reinhard SCHUH, Richard LASS, Alexander GIUREA, Bernd KUBISTA (AUSTRIA)
- 48208 OUTCOME OF TOTAL HIP ARTHROPLASTY (THA) FOLLOWING FAILED OSTEOSYNTHESIS FOR NECK OF FEMUR FRACTURE**
Kevin SYAM, Naveen LOKIKERE, Akash SARAOGI, Hajime NAGAI, Anil GAMBHIR, Tim BOARD, Henry WYNN JONES (UNITED KINGDOM)
- 48228 COST DISCLOSURES OF SURGEON “SCORE CARD” EFFECTS ON OPERATING ROOM COSTS**
Zachary POST, Alvin ONG, Fabio OROZCO, Danielle WEEKES, Fotios TJOURLAKIS (UNITED STATES)
- 48235 HIP ARTHROPLASTY: ARE WE PURSUING THE CORRECT APPROACH?**
Christopher O'DOWD-BOOTH, Chris THORNHILL (UNITED KINGDOM)
- 48254 TRENDS IN BLOOD METAL ION LEVELS POST REVISION SURGERY FOR METAL-ON-METAL HIP ARTHROPLASTY**
Rajesh BAWALE, Joshi ANAND, Dilip PILLAI, Saima SULTANA (UNITED KINGDOM)
- 48267 MINIMUM 5-YEAR FOLLOW-UP RESULT OF SECOND REVISION HIP ARTHROPLASTY**
Kee Hyung RHYU, Se Jung HONG, Hyung Kee LEE, Young Soo CHUN, Yoon Je CHO (SOUTH KOREA)

- 48314 LONG TERM RESULTS OF SURGICAL TREATMENT FOR PERIPROSTHETIC INFECTION OF HIP JOINT**
Victor VOLOSHIN, Anatoliy EREMIN, Sergey OSHKUKOV, Saravanan SANAKARANARAYANAN ARUMUGAM (RUSSIA)
- 48437 MID-TERM FOLLOW-UP ANALYSIS OF THE FUNCTIONAL AND RADIOLOGICAL OUTCOME OF UNCEMENTED HYDROXYAPATITE COATED STEM IN TOTAL HIP ARTHROPLASTY**
Pravin Kumar VANCHI, Mohan Kumar MURUGESAN, Mohan Choudhary BAKTHAVATCHALAM, Dhinesh JAYAPAL (INDIA)
- 48450 FAILURES OF REVISION HIP ARTHROPLASTY - CAUSES AND TREATMENT**
Taras NIZALOV, Oleksii SULYMA, Vitalii PIDGAIETSKYI, Taras OSADCHUK (UKRAINE)
- 48477 QUALITY OF LIFE ASSESSMENT AFTER SURGICAL MANAGEMENT OF PERIPROSTHETIC FEMUR FRACTURES AFTER HIP ARTHROPLASTY**
Sahil SANGHAVI (INDIA)
- 48478 WHAT IS THE OPTIMAL FEMORAL HEAD SIZE IN TOTAL HIP ARTHROPLASTY WITH HIGHLY CROSS LINKED POLYETHYLENE BEARING? - A SYSTEMATIC REVIEW**
Grace YIP, Krishna BODDU, Sandesh LAKKOL (UNITED KINGDOM)
- 48479 CONICAL STEM WITH MODULAR NECK IN DDH: IS IT ABLE TO RESTORE THE ANATOMY?**
Luca BIANCHI, Luigi ZAGRA, Martina ROCCHI, Antonino Giulio BATTAGLIA, Gianluca GRANDI, Fabio CATANI (ITALY)
- 48489 EARLY FUNCTIONAL AND RADIOLOGICAL OUTCOME OF TOTAL HIP ARTHROPLASTY**
Suvarn GUPTA, Shraddha SINGHANIA, Pradeep SINGH, Sohael KHAN, Akhita SINGHANIA, Shantanu GUPTA, Shashank JAIN, Shantanu GUPTA (INDIA)
- 48623 ENHANCED RECOVERY 2.0: MOVING TOWARDS OUTPATIENT DAY CASE TOTAL HIP AND KNEE REPLACEMENT SURGERY**
Oliver ADEBAYO, Joe TURNER (UNITED KINGDOM)
- 48640 EXCELLENT OUTCOME IN PATIENTS IMPLANTED WITH SHORT FEMORAL STEMS FOR TOTAL HIP REPLACEMENT**
Deepak GAUTAM, Rajesh MALHOTRA, Ashish PANDE (INDIA)
- 48719 CUSTOM TRIFLANGED IMPLANT IN RECONSTRUCTION OF SEVERE ACETABULAR BONE LOSS AND PELVIC DISCONTINUITY AFTER TOTAL HIP ARTHROPLASTY**
Nikolaj WINTHER, Michael PETERSEN MØRK, Jens STÜRUP (DENMARK)
- 48721 FUNCTIONAL AND RADIOLOGICAL OUTCOME IN PRIMARY UNCEMENTED CERAMIC ON CERAMIC TOTAL HIP REPLACEMENT**
Kuldeep MALIK, Inder PAWAR (INDIA)
- 48796 THE IMPACT OF PATIENT EDUCATION AND EARLY MOBILISATION ON ENHANCED RECOVERY AND SHORT-TERM OUTCOME AFTER TOTAL HIP AND KNEE ARTHROPLASTIES**
Lauren THOMSON, Amin KHEIRAN, Rohit RAMBANI (UNITED KINGDOM)
- 48837 SHORT-TERM RESULTS OF TOTAL HIP ARTHROPLASTY FOR POST TRAUMATIC ARTHRITIS IN ACETABULAR FRACTURE INTERNAL FIXATION**
Afshin TAHERIAZAM (IRAN)
- 48840 TRABECULAR TITANIUM SHELLS IN PRIMARY TOTAL HIP ARTHROPLASTY**
Ricardo FERNANDEZ-FERNANDEZ, Sarah MILLS-GAÑAN, Gregorio ARROYO-SALCEDO, Pablo DIAZ-FREIRE, Enrique GIL-GARAY (SPAIN)

Hip – Dysplasia

- 47395 THE CHOICE OF THE ACETABULAR COMPONENT PLACEMENT IN DYSPLASTIC HIP PATIENTS**
Silvestris ZEBOLDS, Andris JUMTINS, Peteris STUDERS (LATVIA)
- 47527 EVALUATION BETWEEN CAPSULORRHAPHY WITH SIMPLE SUTURE AND WITH ANCHOR IN RABBIT HIPS**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Daniel ANDION, Marcelo BONANZA, Maria Beatriz CORTIZO GARCIA, Fabio MATOS, Fernanda CORTIZO GARCIA (BRAZIL)
- 48603 MODULAR STEM IN SECONDARY OSTEOARTHRITIS DUE TO DEVELOPMENTAL DYSPLASIA OF HIP**
Deepak GAUTAM, Rajesh MALHOTRA (INDIA)

Hip – Hip Preservation

- 47002 INTRA-ARTICULAR INJECTIONS OF HYALURONIC ACID FOR HIP OSTEOARTHRITIS**
Fabrizio RIVERA (ITALY)
- 47742 ONE STAGE BILATERAL HIP OSTEOARTHRITIS TREATMENT WITH MONONUCLEAR CELL INJECTION AND TOTAL HIP ARTHROPLASTY**
Valdis GONCARS, Eriks JAKOBSONS, Kaspars DEICMANIS, Konstantins KALNBERZS, Andrejs ERGLIS (LATVIA)
- 47830 OPTIMISED INDICATIONS FOR TOTAL HIP ARTHROPLASTY IN TRANSACETABULAR FRACTURES**
Victor VOLOSHIN, Anatoliy GALKIN, Saravanan SANKARANARAYANAN ARUMUGAM (RUSSIA)
- 47844 HIP DISARTICULATION FOR INTRACTABLE PRESSURE ULCER IN A SPINAL CORD INJURY PATIENT: A CASE REPORT**
Wei-Ting WANG, Chiang-Sang CHEN (TAIWAN)
- 47998 PREDICTION OF FEMORAL HEAD AVASCULAR NECROSIS FOLLOWING NECK FRACTURE WITH 99MTC-HDP PINHOLE BONE SCAN AFTER METALLIC FIXATION**
Kee Haeng LEE, Jae-Young LEE (SOUTH KOREA)
- 48305 MANAGEMENT OF AVASCULAR NECROSIS OF HIP WITH CORE DECOMPRESSION WITH AUTOLOGOUS CANCELLOUS BONE GRAFTING AND PLATELET RICH PLASMA**
Tarun KUKREJA (INDIA)
- 48468 SENSITIVITY OF MRI IN EARLY DIAGNOSIS OF AVASCULAR NECROSIS**
Akhita SINGHANIA, Suvarn GUPTA, Shraddha SINGHANIA, Shashank JAIN, Shantanu GUPTA, Saherish KHAN, Vaibhav KUMAR, Sohael KHAN, Pradeep SINGH, Pooja SINGHANIA (INDIA)

Hip – Miscellaneous

- 46236 ANTERIOR GREATER TROCHANTERIC MUSCLE PEDICLE BONE GRAFTING: A VIABLE GRAFT OPTION ADJUNCT TO HIP OSTEOTOMY OR FRACTURE SURGERY**
Noppachart LIMPAPHAYOM, Phatcharapa OSATEERAKUN, Vajara WILAIRATANA, Pairatch PRASONGCHIN (THAILAND)
- 46397 IMPACT OF NUTRITIONAL STATUS ON FUNCTIONAL OUTCOME IN PATIENTS WITH FEMORAL NECK FRACTURE**
Koichi MIYAKOSHI, Hiroshi KURODA, Hideo EGURO, Takashi KAMEOKA, Tomomasa NAKATANI (JAPAN)
- 46719 THE EFFECTIVENESS OF REHABILITATION AFTER A TOTAL HIP ARTHROPLASTY: A DESIGN STUDY FOR THE COMPARISON OF USUAL CARE IN THE NETHERLANDS VERSUS GERMANY**
Gunter DIETZ¹, Gesine SEEBER¹, Annet WIJNEN¹, Djordje LAZOVIC¹, Sjoerd BULSTRA², Christiaan VAN LINGEN², Martin STEVENS²
¹(GERMANY), ²(NETHERLANDS)
- 46755 VANCOUVER TYPE B1 PERIPROSTHETIC FRACTURES: IS KEEN ANALYSIS A MUST BEFORE PLATING???**
Naveen MITTAL, Jaswinder Pal Singh WALIA, Robin BOHAT, Deepak VASHISHT (INDIA)
- 47281 ANTIBIOTICS LOADED (ARTICULATING) FEMORAL HEAD CEMENT SPACER FOR THE TREATMENT OF ADVANCED PYOGENIC ARTHRITIS IN ADULT HIP**
Yoon Je CHO, Chung Soo HAN, Young Soo CHUN, Kee Hyung RHYU, Bi O JEONG, Liang HU (SOUTH KOREA)
- 47403 NOVEL APPROACH TO POSTOPERATIVE PAIN CONTROL AFTER TOTAL HIP ARTHROPLASTY**
Anna USKOVA, Nicholas SCHOTT, Vikram BHASIN (UNITED STATES)
- 48046 RESTORATION OF THE COLLAPSED FEMORAL HEAD IN SUBCHONDRAL FATIGUE FRACTURE OF THE FEMORAL HEAD**
Hee Joong KIM, Jeong Joon YOO (SOUTH KOREA)
- 48712 SENSITIVITY AND SPECIFICITY OF INDIUM 111-LABELLED WHITE BLOOD CELL SCAN FOR SUSPECTED PROSTHETIC JOINT INFECTION**
Mohammed AL-SALMAN, Rohit RAMBANI, Tauseef ASHRAF, Kethesparan PARAMESPARAN, Eldho PAUL (UNITED KINGDOM)
- 48841 NATIONAL HIP FRACTURE DATABASE AND BEST PRACTICE TARIFFS: IMPROVING ORTHO-GERIATRIC STANDARDS AT A DISTRICT GENERAL HOSPITAL**
Kalon HEWAGE, Nimlan SHANMUGATHAS (UNITED KINGDOM)

Hip – Osteotomy

- 47580 TRIPLE OSTEOTOMY OF PELVIS (TOP) IN CHILDREN UNDER SIX YEARS WITH SINGLE APPROACH: PREVENTION OF RETROVERSION AND ANTERIOR IMPINGEMENT**
Hassan NAJDI, Elie MAKHOUL, Hussein FARHAT, Roger JAWISH (LEBANON)

Hip – Trauma

- 46314 ROLE OF SINGLE SHOT ANTIBIOTIC SURGICAL PROPHYLAXIS IN PROXIMAL FEMUR FRACTURES IN ELDERLY**
Hitesh DAWAR, Apurv GABRANI, Surbhit RASTOGI, Deepak RAINA (INDIA)
- 48102 DHS OSTEOSYNTHESIS WITH INTERNAL BONE GRAFTING IN UNSTABLE DELAYED PRESENTED INTRACAPSULAR NECK FEMUR FRACTURES**
Wasudeo GADEGONE (INDIA)
- 48107 IS IT NECESSARY TO AUGMENT PFN IN UNSTABLE TROCHANTERIC FRACTURES?**
Wasudeo GADEGONE, Lokhande VIJAYANAND (INDIA)
- 48717 SURGICAL HIP DISLOCATION FOR THE MANAGEMENT OF IRREDUCIBLE POSTERIOR HIP DISLOCATION WITH FEMORAL HEAD FRACTURE: A CASE SERIES**
Kaveh GHARANIZADEH, Mansour ABOLGHASEMIAN (IRAN)

Knee – Arthroplasty

- 46166 CLINICAL OUTCOMES OF UNI KNEE ARTHROPLASTY PROSTHESIS: INVESTIGATION OF CONTRIBUTORY RISK FACTORS LEADING TO FAILURE - RETROSPECTIVE STUDY OF 106 CASES**
Matthieu EHLINGER, Benjamin SCHEIBLING, Henri FAVREAU, Adrien D'AMBROSIO, Philippe ADAM, Francois BONNOMET (FRANCE)
- 46173 INFLUENCE OF POSTERIOR CONDYLAR OFFSET ON THE KNEE FLEXION AFTER TKR SURGERY**
Radek HART, Filip BUCEK (CZECH REPUBLIC)
- 46174 RESULTS OF THE PREVENTION OF TOTAL KNEE ARTHROPLASTY INFECTION**
Radek HART, Filip BUCEK (CZECH REPUBLIC)
- 46178 ROTATING HINGE KNEE PROSTHESIS IS ASSOCIATED WITH POORER CLINICAL OUTCOMES AS COMPARED TO CONSTRAINED CONDYLAR KNEE PROSTHESIS IN TOTAL KNEE ARTHROPLASTY**
Jason Beng Teck LIM, Hwei Chi CHONG, Hee Nee PANG, Keng Jin Darren TAY, Shi Lu CHIA, Ngai Nung LO, Seng Jin YEO (SINGAPORE)
- 46289 MULTIMODAL DRUG INFILTRATION IN TOTAL KNEE ARTHROPLASTY: IS POSTERIOR CAPSULAR INFILTRATION WORTH THE RISK?**
Piya PINSORNSAK (THAILAND)
- 46338 TOTAL KNEE ARTHROPLASTY CONVERSION FOR PATIENTS WITH ANKYLOSED KNEES**
Hee-Soo KYUNG, Hee-June KIM, Kwang-Hwan KIM (SOUTH KOREA)
- 46339 TOTAL KNEE ARTHROPLASTY CONVERSION AFTER OPEN WEDGE HIGH TIBIAL OSTEOTOMY**
Hee-Soo KYUNG, Hee-June KIM, Tae-Seong KIM (SOUTH KOREA)
- 46341 PERIPROSTHETIC JOINT INFECTION WITH STREPTOCOCCUS DYSGALACTIAE**
Tunay ERDEN (TURKEY)
- 46359 A COMPARISON OF MEDIAL PARAPATELLAR AND MIDVASTUS APPROACHES IN TOTAL KNEE ARTHROPLASTY**
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46360 PATELLA RESHAPING AND CIRCUMFERENTIAL DENERVATION OF THE PATELLA IN TOTAL KNEE ARTHROPLASTY VERSUS PATELLA RESHAPING ONLY**
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46416 MEDIAL KNEE RESURFACING: HYPE OR REALITY - INDIAN PERSPECTIVE IN MEDIAL OA KNEE PATIENTS**
Sankalp MUTHA (INDIA)
- 46474 ADVANTAGE OF LOCKING KNEE MEGAPROSTHESIS**
Abdelhalim OULDRUIS, Morad HAMIDANI (ALGERIA)

- 46484 SHORT-TERM ANALYSIS OF FUNCTIONAL AND RADIOLOGICAL OUTCOME OF TOTAL KNEE ARTHROPLASTY USING MINIMALLY CONSTRAINED POLYETHYLENE FOR SUBSTITUTING POSTERIOR CRUCIATE LIGAMENT**
Sakthi SAKTTHI SELLAYEE S., Mohan Kumar M. (INDIA)
- 46518 TRANEXAMIC ACID FOR ALL TOTAL KNEE ARTHROPLASTIES – BEST MANAGEMENT FOR BLOOD LOSS**
Stefan CRISTEA, Stefan CUCULICI, Florin GROSEANU, Vlad PREDESCU (ROMANIA)
- 46554 TOTAL KNEE REPLACEMENT WITH TIBIAL TUBERCLE OSTEOTOMY**
Wael A.M. NASSAR, Ahmed Salem EID (EGYPT)
- 46599 RANDOMISED CONTROL TRIAL COMPARING THE RADIOLOGICAL AND FUNCTIONAL OUTCOMES IN KNEES IMPLANTED WITH PS150 VS ATTUNE**
Mrinal SHARMA (INDIA)
- 46603 TOTAL KNEE ARTHROPLASTY IN A LOW-INCOME COUNTRY**
Simon GRAHAM¹, Nicholas HOWARD², Nicholas LUBEGA³, Nyengo MKANDAWIRE³, William J. HARRISON²
¹(SOUTH AFRICA), ²(UNITED KINGDOM), ³(MALAWI)
- 46669 ARTERIAL CALCIFICATION ON PREOPERATIVE KNEE RADIOGRAPHS AS A PREDICTOR OF POSTOPERATIVE CARDIOVASCULAR EVENTS FOLLOWING PRIMARY TOTAL KNEE ARTHROPLASTY**
David CANTU-MORALES¹, Justin DE BEER², Danielle PETRUCELLI², Conrad KABALI², Mitchell WINEMAKER²
¹(MEXICO), ²(CANADA)
- 46675 DYNAMIC LIGAMENT BALANCING – AN INNOVATIVE APPROACH IN BALANCING TKA**
Thomas PASZICSNYEK, Christoph NEPEL, Alexander KROIS (AUSTRIA)
- 46678 RADIOLOGICAL ASSESSMENT OF ACCURACY OF UNICONDYLAR KNEE REPLACEMENT USING OXFORD RADIOLOGICAL CRITERIA**
Tanvi SURYAWANSHI, Mohan DESAI (INDIA)
- 46696 THE EFFICACY OF USING A NEW TENSOR/BALANCER DEVICE IN TOTAL KNEE ARTHROPLASTY**
Yuto SONE, Kota UEMATSU, Yasumasa TOMA, Satoshi YAMAMOTO, Hiroshi YAJIMA, Yasuhito TANAKA (JAPAN)
- 46702 NAVIGATED TOTAL KNEE REPLACEMENT IN SEVERE VARUS KNEE DEFORMITIES**
Valeriy Y. MURYLEV, Yaroslav RUKIN, Alexey MUZYCHENKOV (RUSSIA)
- 46720 COMPARISON BETWEEN TWO KINDS OF PATIENT SPECIFIC GUIDE IN TOTAL KNEE ARTHROPLASTY**
Taisei KAWAMOTO, Satoshi IIDA (JAPAN)
- 46761 EFFICACY OF MODIFIED ROBERT JONES BANDAGES ON REDUCING INVISIBLE BLOOD LOSS AFTER TOTAL KNEE ARTHROPLASTY: A RANDOMISED CONTROLLED TRIAL**
Chaturong PORNRATTANAMANEEWONG, Rapeepat NARKBUNNAM, Keerati CHAREANCHOLVANICH, Pakpoom RUANGSOMBOON, Vajara WILAIRATANA (THAILAND)
- 46778 POSTOPERATIVE PAIN MANAGEMENT IN TOTAL KNEE ARTHROPLASTY: A RANDOMISED TRIAL COMPARING ADDUCTOR CANAL BLOCK AND PERIARTICULAR MULTIMODAL DRUG INJECTION**
Thanasak YAKUMPOR, Krittin KITTIKORNCHAICHAN, Vimana PUKDEETANAKUL, Aditthep SUNTICHOTIWONG (THAILAND)
- 46810 LESSONS FROM PERIODIC COMPARISON OF SURGICAL OUTCOMES AFTER TOTAL KNEE ARTHROPLASTY: IMAGELESS NAVIGATION VS. CONVENTIONAL TECHNIQUE**
Kwang-Jun OH, Suktae YOON, Do-Kyung LEE, Je Hyun YOO (SOUTH KOREA)
- 46815 HOW MUCH BONE CEMENT IS UTILISED FOR COMPONENTS FIXATION IN PRIMARY TOTAL KNEE ARTHROPLASTY?**
R.J. Satishkumar BHAVA, Praveen BASANAGOUDER (INDIA)
- 46828 SHORT-TERM COMPARISON OF FUNCTIONAL RECOVERY AFTER TOTAL KNEE REPLACEMENT WITH STANDARD TECHNIQUE OR PSI TECHNIQUE, USING GAIT ANALYSIS**
Cesare CHEMELLO, Enrico SCALCO, Nicola CALZAVARA, Thomas KANIOURAS, Martina DALLA LIBERA, Sergio RIGONI, Diego PIGATO, Giovanni COSTACURTA (ITALY)
- 46878 SIMULTANEOUS BILATERAL TOTAL KNEE REPLACEMENT WITH OR WITHOUT TOURNIQUETS**
Mridul ARORA, Varun GUPTA, Ashutosh DONGRE, Vijay SHETTY (INDIA)
- 46895 A FACILE AND SIMPLE METHOD TO PERFORM PRIMARY TOTAL KNEE ARTHROPLASTY WITH FEWER INSTRUMENTS**
Chih-Wei CHANG, Chyun-Yu YANG, Yen-Nien CHEN, Chih-Han CHANG, Kai-Lan HSU, Yao-Te PENG, Alicia WANG (TAIWAN)

- 46913 BLOOD TRANSFUSION REQUIREMENTS IN TOTAL PRIMARY KNEE ARTHROPLASTY. COMPARATIVE STUDY BETWEEN TRANEXAMIC ACID AND POSTOPERATIVE COLLECTION AND REINFUSION OF AUTOLOGOUS BLOOD**
Damian MIFSUT MIEDES, Juan MORENO RIVELLES (SPAIN)
- 46920 COMPARISON OF THE ACCURACY OF COMPUTER ASSISTED NAVIGATED SURGERY IN ACHIEVING FINAL COMPONENT ALIGNMENT IN TOTAL KNEE ARTHROPLASTY BETWEEN MILD-MODERATE (<15°) VARUS AND SEVERE (>15°) DEFORMITIES**
Vikas BOLLAVARAM, Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)
- 46933 IN VIVO THREE-DIMENSIONAL KINEMATIC ANALYSIS OF MINIMALLY-INVASIVE AND PATIENT-SPECIFIC INSTRUMENT TOTAL KNEE REPLACEMENT DURING SIT-TO-STAND**
Kao-Shang SHIH, Cheng-Kai LIN, Hsuan-Lun LU, Cheng-Chung LIN, Tung-Wu LU (TAIWAN)
- 46937 FAST TRACK IN KNEE ARTHROPLASTY - 300 PATIENTS**
Pastucha MILAN (CZECH REPUBLIC)
- 46946 SCOPE OF CONSTRAINED CONDYLAR KNEE ARTHROPLASTY IN DIFFICULT PRIMARIES**
Mahmood WAHHAB, Ahmed ALQATUB (IRAQ)
- 46952 ROUTINE PREOPERATIVE VENOUS DOPPLER SCREENING IS NOT EFFICIENT IN PREVENTING THROMBOEMBOLIC EVENTS AFTER TOTAL JOINT ARTHROPLASTY**
Morteza MEFTAH, Peter WHITE, Ira KIRSCHENBAUM (UNITED STATES)
- 47019 GAIT ANALYSIS AFTER UNI KNEE ARTHROPLASTY**
Branko RISTIC, Goran DEVEDZIC, Aleksandar MATIC, Suzana PETROVIC, Nikola PRODANOVIC (SERBIA)
- 47046 ANTERIOR KNEE PAIN AFTER TOTAL KNEE ARTHROPLASTY**
Sung-Do CHO, Yoon-Seok YOUM, Young-Jin CHOI (SOUTH KOREA)
- 47049 COMPARISON OF CLINICAL OUTCOMES BETWEEN PATELLAR RESURFACING AND RETENTION FOR PATELLAR CARTILAGE DEFECT IN TOTAL KNEE ARTHROPLASTY**
Sung-Do CHO, Yoon-Seok YOUM, Young-Jin CHOI (SOUTH KOREA)
- 47058 INTRAOPERATIVE PERIARTICULAR INJECTION VS. EPIDURAL ANALGESIA AS PAIN MANAGEMENT FOLLOWING TOTAL KNEE ARTHROPLASTY (TKA) – A COMPARATIVE STUDY**
Muthugukan RAJA (INDIA)
- 47080 OUTCOMES OF TOTAL KNEE ARTHROPLASTY IN DEGENERATIVE OSTEOARTHROTIC KNEE WITH GENU RECURVATUM**
Seung-Suk SEO, Changrack LEE, Muwon KIM (SOUTH KOREA)
- 47092 IMAGING IN VARUS KNEE OSTEOARTRITIS – ARE WE ABLE TO IDENTIFY ACL INSUFFICIENCY?**
Wenzel WALDSTEIN¹, Maximilian KASPAREK¹, Kilian RUECKL², Friedrich BOETTNER²
¹(AUSTRIA), ²(UNITED STATES)
- 47098 ROBOTIC ASSISTED UNICONDYLAR KNEE REPLACEMENT - A CASE SERIES**
Andrew CLARK, Alberto GREGORI, Dawn MCLEAN (UNITED KINGDOM)
- 47116 PATELLAR RESURFACING AND DENERVATION VERSUS DENERVATION IN BILATERAL TKA IN CHINESE POPULATION: A PROSPECTIVE RANDOMISED STUDY**
Xisheng WENG, Yulei DONG, Yanyan BIAN (CHINA)
- 47143 SYNOVIAL C-RP AS INFLAMMATORY MARKERS FOR DIAGNOSIS OF PERIPROSTHETIC JOINT INFECTION**
Anup KHARE (INDIA)
- 47161 BONE MORPHOLOGY, DEFORMITY AND ALIGNMENT ASSOCIATED WITH THE ROTATIONAL MISMATCH BETWEEN FEMUR AND TIBIA IN PATIENTS WITH KNEE OSTEOARTRITIS**
Hiroshi KOYAMA, Masaaki TAKAHASHI, Mitsuru HANADA, Mitsuhiro NANBA, Yukihiro MATSUYAMA (JAPAN)
- 47170 RISK FACTORS FOR OVERCORRECTION FOLLOWING OXFORD UNICOMPARTMENTAL KNEE ARTHROPLASTY**
Boonchana PONGCHAROEN (THAILAND)
- 47211 THE 'FAT BONE INDEX': A NOVEL MEASURE OF LIMB OBESITY RELEVANT TO KNEE REPLACEMENT SURGERY**
Neil CHOTAI, Sarah MCMAHON, Martin HARRIS, Mark LOEFFLER (UNITED KINGDOM)
- 47230 COMPARISON BETWEEN INTRAVENOUS AND INTRA ARTICULAR TRANEXAMIC ACID APPLICATION IN PRIMARY UNILATERAL KNEE JOINT REPLACEMENT**
Rahman Rasool AKHTAR, Junaid KHAN (PAKISTAN)

- 47345 FAT PAD EXCISION IN TOTAL KNEE ARTHROPLASTY DOES NOT AFFECT FUNCTIONAL OUTCOME OR ANTERIOR KNEE PAIN AT 1-YEAR FOLLOW-UP**
Nithin Krishna VADLAMUDI PURUSHOTHAM, I.V. REDDY, Krishnaiah K., Sameer RATHORE, Raju YELLETI (INDIA)
- 47369 EFFECTIVENESS OF PAIN RELIEF USING ULTRASOUND-GUIDED NERVE BLOCK IN TOTAL KNEE ARTHROPLASTY**
Young Mo KIM, Yong Bum JOO, Woo Yong LEE (SOUTH KOREA)
- 47373 EFFECTIVENESS OF INTRA-ARTICULAR TRANEXAMIC ACID SOAKING ON BLOOD LOSS DURING TOTAL KNEE ARTHROPLASTY**
Young Mo KIM, Yong Bum JOO, Woo Yong LEE (SOUTH KOREA)
- 47375 EDOXABAN AND TRANEXAMIC ACID USE IN TKA**
Hiroyuki WADA (JAPAN)
- 47401 CURRENT INDICATIONS, RESULTS AND PATELLAR ISSUES WITH ROTATING HINGE TKA**
Sebastien LUSTIG, Elliot SAPPEY-MARINIER, Cecile BATAILLER, Elvire SERVIEN (FRANCE)
- 47436 TOPICAL TRANEXAMIC ACID IN TOTAL KNEE ARTHROPLASTY: A PROSPECTIVE COMPARATIVE STUDY**
Rakesh GUPTA, Raj SINGH (INDIA)
- 47446 THREE-YEAR RESULTS OF CEMENTLESS KNEE ARTHROPLASTY**
Alexey MUZYCHENKOV, Valery MURILEV, Aleksandr GUCHKOV, Yaroslav RUKIN (RUSSIA)
- 47449 TOTAL KNEE REPLACEMENT USING HYBRID FIXATION**
Alexey MUZYCHENKOV, Valery MURILEV, Aleksandr GUCHKOV, Yaroslav RUKIN (RUSSIA)
- 47454 UTILISATION OF A REPLESS MODEL IN PRIMARY JOINT ARTHROPLASTY**
Morteza MEFTAH, Ira KIRSCHENBAUM (UNITED STATES)
- 47468 PATIENT SATISFACTION AFTER TOTAL KNEE ARTHROPLASTY**
Yousef OTHMAN, Ala' AL-RIHANI, Misbah HANBALI, Ahmed HUSSEIN, Amer ASAAD, Hasan YOUSEF (JORDAN)
- 47630 SETBACK OF EPIDURAL ANALGESIA OVER PERIARTICULAR INFILTRATION ANALGESIA AND THE CONCEPT OF ULTRA LOW DOSE WALKING EPIDURAL FOR TKA IN NEAR FUTURE**
Ram SUDHAN, Gokul DEV VASUDEVAN, George BIBU (INDIA)
- 47659 IS ORTHOPAEDIC DEPARTMENT TEACHING STATUS ASSOCIATED WITH ADVERSE OUTCOMES OF PRIMARY TOTAL KNEE ARTHROPLASTY?**
Aditya V. MAHESHWARI, Dean PERFETTI, Matthew BOYLAN, Randa ELMALLAH, Karen PALTOO, Qais NAZIRI, Carl PAULINO, Michael MONT (UNITED STATES)
- 47861 THE BENEFITS OF TRANEXAMIC ACID AND EARLY HAEMOSTASIS IN TOTAL KNEE ARTHROPLASTY**
Rohan PRAKASH, Ali NAJEFI, Anita CHITHIRAMOHAN, Justin NG, Senthil MUTHIAN, Arthur GALEA (UNITED KINGDOM)
- 47866 TISSUE ADHESIVE IN KNEE ARTHROPLASTY WOUNDS**
Richard FORRESTER, Mike COOPER, Jon SMITH (UNITED KINGDOM)
- 48073 THE CLINICAL OUTCOME OF TRIATHLON PKR UNICOMPARTMENTAL KNEE ARTHROPLASTY**
Kan TAKASE (JAPAN)
- 48075 A COMPARATIVE ANALYSIS OF THE ROLE OF TRANEXAMIC ACID AS AN INDEPENDENT VARIABLE IN REDUCING INTRAOPERATIVE BLOOD LOSS IN PATIENTS UNDERGOING CONVENTIONAL TOTAL KNEE ARTHROPLASTY VERSUS COMPUTER ASSISTED TOTAL KNEE ARTHROPLASTY**
Chandra Sekhar DANNANA (INDIA)
- 48093 THE EFFECT OF PREOPERATIVE UNDIAGNOSED PSYCHOPATHOLOGY ON PATIENT SATISFACTION AT ONE YEAR FOLLOWING TOTAL KNEE ARTHROPLASTY IN SOUTH ASIAN POPULATION**
Vijay KUMAR, Saurabh Sharma SHARMA, Mamta SOOD, Rajesh MALHOTRA (INDIA)
- 48095 KINESIOPHOBIA AS PREDICTOR OF POOR OUTCOME FOLLOWING TOTAL KNEE OUTCOME: A NEW CUT-OFF SCORE**
Vijay KUMAR, Saurabh SHARMA, Mamta SOOD, Rajesh MALHOTRA (INDIA)
- 48096 THE EFFECT OF PREOPERATIVE KINESIOPHOBIA ON PATIENT SATISFACTION FOLLOWING TOTAL KNEE ARTHROPLASTY IN SOUTH ASIAN POPULATION**
Vijay KUMAR, Saurabh SHARMA, Mamta SOOD, Rajesh MALHOTRA (INDIA)

- 48098 EFFECT OF PREOPERATIVE MODIFIABLE PSYCHOLOGICAL AND BEHAVIORAL FACTORS ON PAIN AND FUNCTIONAL OUTCOME FOLLOWING TOTAL KNEE ARTHROPLASTY IN SOUTH ASIAN POPULATION**
Rajesh MALHOTRA, Vijay KUMAR, Saurabh SHARMA, Mamta SOOD (INDIA)
- 48099 THE EFFECT OF PAIN CATASTROPHISING ON PATIENT SATISFACTION AT ONE YEAR FOLLOWING TOTAL KNEE ARTHROPLASTY IN SOUTH ASIAN POPULATION**
Rajesh MALHOTRA, Vijay KUMAR, Gaurav SHARMA, Mamta SOOD (INDIA)
- 48105 MANAGING DIFFICULT PRIMARY TOTAL KNEE ARTHROPLASTY WITH STANDARD POSTERIOR STABILISED PROSTHESIS AND SPECIFIC RECONSTRUCTION TECHNIQUES**
Razvan-Silviu CISMASIU, Rares Mircea BIRLUTIU, Ioan Cristian STOICA (ROMANIA)
- 48112 NEW INSTRUMENTATION IMPROVES PATIENT SATISFACTION AND COMPONENT POSITIONING FOR MOBILE BEARING MEDIAL UNICOMPARTMENTAL KNEE REPLACEMENT**
Rajesh MALHOTRA¹, Vijay KUMAR¹, Naman WAHAL¹, Arnaud CLAVE², David MURRAY², Hemant PANDIT²
¹(INDIA), ²(UNITED KINGDOM)
- 48121 PROSPECTIVE RANDOMISED STUDY TO COMPARE CLINICAL, RADIOLOGICAL AND KINEMATIC OUTCOMES BETWEEN MEDIAL PIVOT KNEE ARTHROPLASTY AND POSTERIOR STABILISED KNEE ARTHROPLASTY**
Vijay Kumar DIGGE¹, Rajesh MALHOTRA¹, Sahil Batra BATRA¹, Vijay KUMAR¹, Deep SRIVASTAVA¹, Hemant PANDIT²
¹(INDIA), ²(UNITED KINGDOM)
- 48155 CRUCIATE RETAINING (CR) TKR FOR KNEE OSTEOARTHRITIS WITH VALGUS DEFORMITY**
Rajkumar THANGARAJ, Videsh RAUT (UNITED KINGDOM)
- 48177 TOTAL KNEE REPLACEMENT OUTCOME AND GLYCEMIC CONTROL**
Mohammed AMJAD HOSSAIN (BANGLADESH)
- 48192 CT OF TOTAL KNEE ARTHROPLASTY – IMPACT OF PROSTHETIC MATERIAL AND CT PROTOCOLS ON IMAGE QUALITY AND ARTIFACT FREQUENCY**
Maximilian KASPAREK, Mathias LAZAR, Michael TOEPKER, Michael WEBER, Michael KASPAREK, Bernd KUBISTA, Reinhard WINDHAGER, Helmut RINGL (AUSTRIA)
- 48219 MEDIAL PIVOT KNEE - 10-YEAR FOLLOW-UP**
Tomas PINK, Jiri STOKLAS, Radek KUNOVSKY (CZECH REPUBLIC)
- 48251 TROCHLEAR HEMIARTHROPLASTY - A NOVEL METHOD IN ISOLATED TROCHLEAR KNEE LESION.**
Srikanth Reddy GANDAVARAM, Deepak HERLEKAR, Sharad SINGHAI, Kuntal PATEL (UNITED KINGDOM)
- 48296 TOTAL KNEE REPLACEMENT IN EXTRA ARTICULAR DEFORMITIES**
Ramneek MAHAJAN, Jyoti Singh KAPOOR, Anil VENKATASWAMY, Abhimanyu KAKRALIA (INDIA)
- 48310 COMPARISON OF KINEMATIC AND MECHANICAL ALIGNMENT TECHNIQUES IN PRIMARY TOTAL KNEE ARTHROPLASTY: A META-ANALYSIS**
Young-Soo SHIN, Jung-Ro YOON, Young-Bae KIM (SOUTH KOREA)
- 48427 COMPARATIVE OUTCOME OF PATELLAR RESURFACING VERSUS NON RESURFACING IN PRIMARY TOTAL KNEE ARTHROPLASTY IN ELDERLY**
Lokesh CHAWLA, Shivanand BANDEKAR (INDIA)
- 48452 MAGNETIC RESONANCE IMAGING (MRI) ANALYSIS OF NORMAL FEMORAL ROTATION IN OSTEOARTHRITIC PATIENTS**
Fiona BINTCLIFFE, Thomas MURPHY, Cameron PAUL, Goddard RICHARD (UNITED KINGDOM)
- 48832 A RANDOMISED CONTROL TRIAL OF INTRA-ARTICULAR INJECTATES IN KNEE OSTEOARTHRITIS: A COMPARISON ON CORTICOSTEROID AND NSAID INJECTIONS.**
Sean FLYNN, Iain FEELEY, Martin KELLY, John O'BRYNE, Eoin SHEEHAN (IRELAND)

Knee – Miscellaneous

- 47173 CAN PATELLAR FACET HEIGHT BE USED TO ESTIMATE THE LEVEL OF THE KNEE JOINT LINE?**
Boonchana PONGCHAROEN (THAILAND)
- 47208 POSTERIOR CONDYLAR OFFSET RATIO IN FEMORAL ANATOMY EVALUATION AFTER TOTAL KNEE ARTHROPLASTY WITH ANTERIOR AND POSTERIOR REFERENCE PROSTHESIS**
Pedro Manuel SERRANO, Pedro ALMEIDA, Marta SANTOS SILVA, Pedro BARREIRA, Pedro NEVES, Adélio VILAÇA (PORTUGAL)

- 46256 THE INTERNET AS A SOURCE OF PATIENT INFORMATION ABOUT KNEE REPLACEMENT SURGERY**
Henry MAGILL, Josh MACKEY, Williamson NATHAN, Maruthainar NIMALAN (UNITED KINGDOM)
- 46273 A PRELIMINARY STUDY ON THE EFFICACY OF SEQUENTIAL INJECTION THERAPY OF GLUCOCORTICOID AND HYALURONAN FOR KNEE OSTEOARTHRITIS**
Jinwu WANG, Mingzheng PENG, Ning LI (CHINA)
- 46481 DOES MEDIAL MENISCAL ALLOGRAFT TRANSPLANTATION WITH THE BONE-PLUG TECHNIQUE RESTORE THE ANATOMIC LOCATION OF THE NATIVE MEDIAL MENISCUS?**
Sung Mok OH, Seong-II BIN, Jae Young KIM (SOUTH KOREA)
- 46482 CHANGE IN CARTILAGE VOLUME AFTER MENISCAL ALLOGRAFT TRANSPLANTATION: A 1-YEAR MRI STUDY BASED ON SEMI-AUTOMATED GRAPH-CUT ALGORITHM METHOD**
Seong-II BIN, Sung Mok OH, Jae Young KIM, Sungwook CHOI (SOUTH KOREA)
- 46744 NEW KNEE SCORE: COMPARATIVE EFFICACY AND VALIDATION IN OSTEOARTHRITIS**
Prince RAINA, Roop Bhushan KALIA (INDIA)
- 46826 COMPARISON OF PLATELET-RICH PLASMA VERSUS HYALURONIC ACID INJECTIONS IN OSTEOARTHRITIS OF THE KNEE: A SYSTEMATIC REVIEW OF LEVEL I STUDIES**
Alok AGGARWAL, Gaurav SINGH (INDIA)
- 46833 NUMERICAL INVESTIGATION ON HUMAN KNEE JOINT FOR VERIFYING INTACTNESS OF ANTERIOR CRUCIATE LIGAMENT**
Kiran Kumar Vedavyasa ACHARYA, Bharath BHAT, Raviraja ADHIKARI (INDIA)
- 46834 SYNOVIAL FLUID REPLACEMENT THERAPY: IN SEARCH OF RIGHT INDICATIONS**
Kiran Kumar Vedavyasa ACHARYA (INDIA)
- 47005 INTRA-ARTICULAR INJECTIONS OF SODIUM HYALURONATE-CHONDROITIN SULFATE IN KNEE OSTEOARTHRITIS: A MULTICENTER PROSPECTIVE STUDY**
Fabrizio RIVERA, Luca BERTIGNONE, Gianclaudio GRANDI, Roberto CAMISASSA, Guido COMASCHI, Roberto TRENTINI, Marco ZANONE, Giuseppe TEPPEX, Gabriele VASARIO, Fortina GIORGIO (ITALY)
- 47036 MEDIAL AND LATERAL MENISCI - DO WE REALLY UNDERSTAND THE DIFFERENCE?**
Robert JORDAN, Nicholas SMITH, Gurdip CHAHAL, Peter WALL, Mike BOWES, Christopher WOLSTENHOME (UNITED KINGDOM)
- 47043 LEVELLING THE ELEVATED PLUG CARTILAGE IN OSTEOCHONDRAL AUTOLOGOUS TRANSPLANTATION OF THE KNEE WAS ACCEPTABLE PROCEDURE TO ACHIEVE GOOD CLINICAL RESULTS**
Kohei NISHITANI, Yasuaki NAKAGAWA, Shogo MUKAI, Shinichiro NAKAMURA, Shinichi KURIYAMA, Shuichi MATSUDA (JAPAN)
- 47287 MANAGEMENT OF OSTEOARTHRITIS KNEE JOINT BY VISCOSUPPLEMENTATION WITH NON ANIMAL STABILISED HYALURONIC ACID: A RETROSPECTIVE STUDY IN 48 CASES**
Ashok Kumar DAS (INDIA)
- 47422 EFFICACY OF INTRA-ARTICULAR STEROID VERSUS HYALURONIC ACID INJECTION IN OSTEOARTHRITIS KNEE**
Sandesh Reddy YARATAPALLI (INDIA)
- 47427 IS A PATELLA RESURFACING PROCEDURE FOLLOWING A PRIMARY TOTAL KNEE REPLACEMENT ACCURATELY REPORTED AS A REVISION PROCEDURE TO THE NATIONAL JOINT REGISTRY?**
Irrum AFZAL, John DABIS, Richard FIELD, Roy TWYMAN (UNITED KINGDOM)
- 47474 ANTEROLATERAL MENISCOFEMORAL LIGAMENT: ANATOMICAL VARIANTS OF THE KNEE - CASE REPORT**
Alberto HERRERA LOZANO (MEXICO)
- 47793 IS KNEE ARTHROSCOPIC SURGERY STILL A GOOD OPTION IN MIDDLE AGED PATIENTS?**
Anca DUCA, Asterios DRAMIS (UNITED KINGDOM)
- 47892 DOES MEDIAL MENISCAL ALLOGRAFT TRANSPLANTATION WITH THE BONE-PLUG TECHNIQUE RESTORE THE ANATOMIC LOCATION OF THE NATIVE MEDIAL MENISCUS?**
Sung-Mok OH, Seong-II BIN (SOUTH KOREA)
- 48006 PERIPROSTHETIC FRACTURES AFTER TOTAL KNEE REPLACEMENT: THE EFFECT OF ALIGNMENT AND LEG DOMINANCE**
Suraya ZAINUL ABIDIN, Hamid Rahmatullah BIN ABDUL RAZAK, Beng Teck Jason LIM, Joyce KOH, Tet Sen HOWE (SINGAPORE)

- 48044 RISK OF KNEE OSTEOARTHRITIS IN PEOPLE HAVING FEMORAL AND TIBIA VARA**
Vijay KUMAR¹, Rajesh MALHOTRA¹, Mayur NAYAK¹, Gaurav KANOIYA¹, Deep SRIVASTAVA¹, Stephen MELLON², David MURRAY², Hemant PANDIT²
¹(INDIA), ²(UNITED KINGDOM)
- 48190 AN ARTIFICIAL-NEURAL-NETWORK-BASED PREDICTION MODEL FOR TOTAL KNEE REPLACEMENT**
Stephan REUMANN¹, Reinhard WINDHAGER¹, Johannes HOLINKA¹, Gerhard HOBUSCH¹, Sebastian COTOFANA²
¹(AUSTRIA), ²(UNITED STATES)
- 48237 TREATMENT OF PERONEAL NERVE INJURIES WITH SIMULTANEOUS TENDON TRANSFER AND NERVE REPAIR (ABOUT 5 CASES)**
Kamel ACHOUR, Abdelhalim OULD ROUIS, Rachid BELLAHSENE, Merouane KHOUAS, Sihem GARMAZ, Mourad HAMIDANI (ALGERIA)
- 48308 PROPRIOCEPTION IN PATIENTS WITH POSTERIOR CRUCIATE LIGAMENT TEARS: A META-ANALYSIS COMPARISON OF RECONSTRUCTED AND CONTRALATERAL NORMAL KNEES**
Young-Soo SHIN, Jung-Ro YOON, Woo-Seung LEE (SOUTH KOREA)
- 48380 CO-RELATION BETWEEN CLINICAL, MRI AND ARTHROSCOPIC FINDINGS IN MENISCAL TEAR - A PROSPECTIVE STUDY OF 30 CASES**
Tarun KUKREJA (INDIA)
- 48500 PRIMARY ANEURYSMAL BONE CYST OF PATELLA - RARE OCCURRENCE**
Suvarn GUPTA, Shraddha SINGHANIA, Sohael KHAN, Vaibhav KUMAR, Shashank JAIN, Akhita SINGHANIA, Saherish KHAN, Pradeep SINGH (INDIA)
- 48749 CHRONIC ANTEROMEDIAL KNEE PAIN - INFRAPATELLAR PAIN SYNDROME**
Radoslaw GRABOWSKI, Marcin DOMZALSKI (POLAND)
- 48301 REPLACEMENT OF POST INFECTIVE STIFF KNEE: OUR EXPERIENCE**
Abhimanyu KAKRALIA, Jyoti Singh KAPOOR, Ramneek MAHAJAN, Anil VENKATASWAMY (INDIA)

Knee – Osteotomy

- 46318 SURVIVORSHIP OF MEDIAL OPENING WEDGE HIGH TIBIAL OSTEOTOMY IN THE ELDERLY**
Pakpoom RUANGSOMBOON, Keerati CHAREANCHOLVANICH, Thos HARNROONGROJ, Chaturong PORNRATTANAMANEEWONG (THAILAND)
- 46335 COMPARISON OF THE METHOD USING 3D PRINTING MODEL AND PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS) IN PREOPERATIVE PLANNING FOR OPEN WEDGE HIGH TIBIAL OSTEOTOMY (HTO)**
Hee-Soo KYUNG, Hee-June KIM, Hyun-Joo LEE, Il-Hyung PARK (SOUTH KOREA)
- 46451 DOES MEDIAL COMPARTMENT ARTHROSIS WITH KISSING LESIONS NEED UNICOMPARTMENTAL KNEE ARTHROPLASTY?**
Oog Jin SHON, Kang-Il KIM (SOUTH KOREA)
- 47072 EXTENDED INDICATION OF HIGH TIBIAL OSTEOTOMY IN MILD VARUS DEFORMITY**
Jae Ang SIM, Young Gon NA, Beom Koo LEE (SOUTH KOREA)
- 47595 CHANGE OF JOINT LINE CONVERGENCE ANGLE AFTER HIGH TIBIAL OSTEOTOMY**
Jae Ang SIM, Young Gon NA, Beom Koo LEE (SOUTH KOREA)
- 47629 OSTEOARTHRITIS OF KNEE: JOINT CONSERVATION**
Pradeep KAMBOJ, Amit BATRA (INDIA)
- 47852 RISK OF VASCULAR INJURY WHEN SCREW DRILLING FOR TIBIAL TUBEROSITY TRANSFER**
Jacques HERNIGOU, Esfandiar CHAHIDI, Eric MOEST, Antoine CALLEWIER, Frédéric SCHUIND, Olivier BATH (BELGIUM)
- 47889 PATIENT SUBJECTIVE SATISFACTION FOLLOWING BIPLANAR MEDIAL OPENING-WEDGE HIGH TIBIAL OSTEOTOMY**
Seung Beom HAN, Kimo JANG, Jae Hyeok CHOI (SOUTH KOREA)

Knee – Soft Tissue Reconstruction

- 46170 WHEN SHOULD THE ANTEROLATERAL LIGAMENT (ALL) OF THE KNEE BE RECONSTRUCTED?**
Radek HART, Martin KOMZAK (CZECH REPUBLIC)

- 46994 MENISCUS TRANSPLANTATION - 5-10-YEAR RESULTS**
Libor PASA, Jan KUZMA, Stanislav KALANDRA, Radim HERUFEK, Josef PROKES (CZECH REPUBLIC)
- 47967 INTRAOPERATIVE KINEMATICS EVALUATION AMONG DIFFERENT DESIGN OF INSERTS IN MODERN TOTAL KNEE ARTHROPLASTY**
Nobuhiro ABE, Yoshinori TOJO, Kensuke TANAKA, Kazuki SHIMAMOTO, Kazuto HIRAI, Toshinori TAMADA (JAPAN)
- 48196 ACL REPAIR WITH A DYNAMIC INTRALIGAMENTARY STABILISATION TECHNIQUE - OUR INITIAL EXPERIENCE**
Christiaan Hendrik Willem HEUSDENS, Sara COENEN, Lieven DOSSCHE (BELGIUM)
- 48343 CLINICAL EVALUATION AFTER MATRIX-ASSOCIATED AUTOLOGOUS CHONDROCYTE TRANSPLANTATION OF THE TIBIOFEMORAL JOINT: A COMPARISON OF 4 DIFFERENT GRAFT TYPES**
Silke ALDRIAN (AUSTRIA)
- 48654 EVALUATING THE TIBIAL AND FEMORAL FOOTPRINT OF THE POSTERIOR CRUCIATE LIGAMENT BY THE USE OF AN OBJECTIVE COORDINATE SYSTEM: A CADAVER STUDY**
Ines VIELGUT¹, Manuel DREU¹, Stefan BIBER¹, Stephan GRECHENIG², Norbert KASTNER¹, Gerald GRUBER¹, Patrick SADOCHI¹
¹(AUSTRIA), ²(GERMANY)

Miscellaneous – Arthroplasty

- 47655 THE EFFECTS OF CHLORHEXIDINE GLUCONATE AND POVIDONE-IODINE ON SURGICAL SITE INFECTIONS FOLLOWING LOWER EXTREMITY TOTAL JOINT ARTHROPLASTY**
Aditya V. MAHESHWARI, Bhaveen KAPADIA, Qais NAZIRI, Robert PIVEC, James MESSINA, Kemjika ONUOHA, Dipal CHATTERJEE, Julio JAUREGUI, Emmanuel ILLICAL, Michael MONT (UNITED STATES)

Miscellaneous – Developing World

- 46154 EPIDEMIOLOGY OF ORTHOPAEDIC TRAUMA CASES IN A TERTIARY MEDICAL CENTRE IN THE PHILIPPINES**
Orland Joshua ALIMBUYUGUEN (PHILIPPINES)
- 46659 FUNCTIONAL OUTCOME OF NERVE EXPLORATION AND EARLY TENDON TRANSFER IN INJECTION NERVE PALSY**
Anil DHAL, Purushotham LINGAIAH, Kameshwaran JAIKUMAR (INDIA)
- 46724 INNOVATIVE ANTIMICROBIAL GLOVE TECHNOLOGY REDUCES THE RISK OF MICROBIAL CONTAMINATION FOLLOWING MULTIPLE PERFORATIONS**
Johannes LEITGEB, Ojan ASSADIAN (AUSTRIA)
- 46807 DELAY IN SURGICAL MANAGEMENT OF ORTHOPAEDIC TRAUMA PATIENTS IN AN URBAN TERTIARY CARE HOSPITAL OF INDIA: A CROSS-SECTIONAL STUDY**
Ankit PRASAD (INDIA)
- 46976 TUBERCULAR DACTYLITIS SPINA VENTOSA (A CASE REPORT)**
Shiv Arora ANMOL, Ranjan Patra SATYA, Sharma MANISH (INDIA)
- 47347 TWO DIFFERENT APPROACHES TO MANAGE LARGE BONE GAP IN NON-WEIGHT BEARING LONG BONE**
Jahangir JABED (BANGLADESH)
- 47880 RCT COMPARING CLOSED REDUCTION AND PERCUTANEOUS VERSUS OPEN REDUCTION AND VOLAR LOCKING PLATE IN TREATMENT OF DISTAL RADIUS FRACTURES IN ADULTS**
Pashupati CHAUDHARY (NEPAL)
- 47984 HYPOVITAMINOSIS D IS A MAJOR FACTOR FOR PERSISTENT, NON-SPECIFIC MUSCULOSKELETAL PAINS**
Alok Chandra AGRAWAL (INDIA)
- 48776 CATASTROPHIC WOUND COMPLICATION IN COMPLEX SPINAL PROCEDURE FOLLOWING CLOSURE WITH TWO-PART SKIN CLOSURE SYSTEM – A CASE REPORT**
Vijay RAJAMANI, Robert LEE (UNITED KINGDOM)

Miscellaneous – Infections

- 47367 **SKELETAL TUBERCULOSIS FOLLOWING FRACTURE FIXATION OF LONG BONE: A RARE ENTITY**
Jahangir JABED (BANGLADESH)
- 46215 **ARE ABNORMALLY HIGH VALUES OF C-REACTIVE PROTEIN (CRP) AND ERYTHROCYTE SEDIMENTATION RATE (ESR) IN EARLY POSTOPERATIVE PERIOD RELIABLE INDICATORS OF UNDERLYING INFECTION AFTER TOTAL HIP AND KNEE REPLACEMENT?**
Sudhir Kumar GARG, Anant KRISHNA, Sandeep GUPTA, Rohit JINDAL (INDIA)

Miscellaneous – Osteoarticular Infections

- 46384 **STAPHYLOCOCCUS LUGDUNENSIS: A RARE PATHOGEN CAUSING FINGER OSTEOMYELITIS**
Pradyumna RAVAL (UNITED KINGDOM)
- 46385 **KLEBSIELLA PNEUMONIAE CAUSING SPONDYLODISCITIS: AN UNUSUAL CAUSE OF BACK PAIN IN AN ELDERLY PATIENT**
Pradyumna RAVAL, Ammar ABBAS (UNITED KINGDOM)
- 46386 **PURULENT INFECTION IN A NATIVE ADULT HIP WITH HEALED PERTHES DISEASE: A RARE PRESENTATION**
Pradyumna RAVAL, Ammar ABBAS (UNITED KINGDOM)
- 46552 **ISOLATED OSTEOMYELITIS OF FIBULA IN A CHILD: A CASE REPORT AND REVIEW OF LITERATURE**
Jagandeep VIRK, Jagdeep SINGH, Anoop KALIA, Kavin KHATRI (INDIA)
- 46687 **TO STUDY THE OUTCOMES OF A LOW COST NEGATIVE PRESSURE WOUND THERAPY (NPWT) IN 37 PATIENTS OF CHRONIC OSTEOMYELITIS, INFECTED NON-UNIONS AND NON HEALING LARGE TRAUMATIC WOUNDS**
Yash WAGH, Sushil MANKAR (INDIA)
- 46688 **HYDATID DISEASE OF PUBIC RAMI WITH DAUGHTER CYSTS IN ABDOMEN AND THIGH: A RARE CASE REPORT**
Yash WAGH, Devashish BARICK, Ankit MADHARIA (INDIA)
- 46783 **RALSTONIA PICKETTII: A RARE BACTERIA INVOLVED IN PROSTHETIC HIP JOINT INFECTION - A CASE REPORT**
Rares Mircea BIRLUTIU, Victoria BIRLUTIU, Mihai Dan ROMAN, Radu FLEACA, Razvan Silviu CISMASIU, Crina Maria POPA, Bianca CHIOREAN (ROMANIA)
- 46906 **TWO-STAGE REVISION OF PERIPROSTHETIC HIP AND KNEE JOINT INFECTIONS? WHEN IS THE BEST TIME TO PERFORM THE SECOND STAGE?**
Ines VIELGUT, Andreas LEITHNER, Mathias GLEHR (AUSTRIA)
- 47102 **PROSPECTIVE EVALUATION OF THE SONICATION METHOD FOR THE DIAGNOSIS OF PERIPROSTHETIC INFECTIONS**
Panagiotis LEPETSOS, Sofia TANI, Antonios STYLIANAKIS, John VLAMIS, Konstantinos BIRBAS, Ioannis KAKLAMANOS (GREECE)
- 47429 **INFLAMMATORY ARTHRITIS OR POLYARTICULAR SEPTIC ARTHRITIS? - CLINICAL CASE**
Pedro Manuel SERRANO, Marta SANTOS SILVA, Pedro BARREIRA, Pedro NEVES, Pedro LEITE, Ricardo PINTO, Ricardo SOUSA (PORTUGAL)
- 47503 **COST-BENEFIT ANALYSIS OF ANTIBACTERIAL COATINGS OF JOINT PROSTHESIS**
Maria Teresa TRENTINAGLIA, Carlo ROMANO, Nicola LOGOLUSO, Ilaria MORELLI, Lorenzo DRAGO (ITALY)
- 47508 **BIOACTIVE GLASS BAG-S53P4 FOR ONE STAGE TREATMENT OF CHRONIC OSTEOMYELITIS OF THE LONG BONES: A PROSPECTIVE CLINICAL STUDY**
Nicola LOGOLUSO, Delia ROMANO, Sara SCARPONI, Carlo ROMANO (ITALY)
- 47937 **TREATMENT OF PROSTHETIC INFECTIONS WITH SURGICAL DEBRIDEMENT AND PRESERVATION OF THE PROSTHESIS - RESULTS AND SUCCESS DETERMINANT FACTORS**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Arnaldo SOUSA, Luís BARROS, João ESTEVES, Ricardo SOUSA (PORTUGAL)
- 47965 **EXHALED CARBON MONOXIDE MONITORING AS A PREOPERATIVE TEST FOR SMOKING HABITUS IN ELECTIVE ORTHOPAEDIC PATIENTS**
Peter CNUDDÉ, Benjamin ROTHSHIELD-PEARSON, Michelle GERARD-WILSON, Keir LEWIS (UNITED KINGDOM)

- 48084 TUBERCULOSIS OF PATELLA IN DEVELOPING COUNTRIES: RARE AND NON-SPECIFIC CLINICAL PRESENTATION, TREATED CONSERVATIVELY**
Pankaj Kumar SHARMA, Ravi MITTAL (INDIA)
- 48157 MUSCULOSKELETAL ABSCESS OF THIGH IN YOUNG MALE PATIENT**
Razvan ENE, Zsombor PANTI, Mihai NICA, Mihnea POPA, Marian PLENICEANU, Patricia ENE, Monica CIRSTOIU, Catalin CIRSTOIU (ROMANIA)
- 48242 CHRONIC OSTEOMYELITIS MANAGEMENT STRATEGY: ABOUT 5 CASES**
Youssef BENYASS, Valdumir Ravid MENDES TEIXEIRA, Mohammed BOUSSAIDANE, Bouchaib CHAFRY, Driss BENCHEBBA, Salim BOUABID, Mostapha BOUSSOUGA (MOROCCO)
- 48384 YERSINIA SEPTIC ARTHRITIS OF THE KNEE RELATED TO PATIENT SELF-ASPIRATION: SHOULD MEDICAL EQUIPMENT BE FREELY AVAILABLE ONLINE?**
Gemma GREEN, Hiba KHAN, Nashat SIDDIQUI (UNITED KINGDOM)
- 48431 INFECTIOUS ENDOCARDITIS AND PERIPROSTHETIC INFECTION**
Razvan ENE, Zsombor PANTI, Mihnea POPA, Mihai NICA, Marian PLENICEANU, Patricia ENE, Monica CIRSTOIU, Catalin CIRSTOIU (ROMANIA)
- 48746 NECROTISING FASCIITIS: WHAT AN ORTHOPAEDIC SURGEON SHOULD KNOW**
Waheeb AL-AZZANI, Muhammad SIDDIQUI, Andrew MCMURTRIE, Asad SYED (UNITED KINGDOM)
- 48764 NON-TUBERCULOUS MYCOBACTERIA CAUSING PERIPROSTHETIC JOINT INFECTION OF THE HIP, SUCCESSFULLY TREATED WITH TWO-STAGE REVISION ARTHROPLASTY WITH A MEGAPROSTHESIS: A CASE REPORT WITH 3-YEAR FOLLOW-UP**
Gabriel Teodoro BALUYUT, Rafael CLAUDIO (PHILIPPINES)
- 48660 GENTAMICIN-COATED NAILS IN REVISION SURGERY FOR COMPLEX OPEN TIBIA FRACTURES**
Bruno CORREIA, Filipe MEDEIROS, Manuel MARQUES, João ROSA, Álvaro BOTELHO (PORTUGAL)

Miscellaneous – *Osteoporosis*

- 46988 MONTHLY MINODRONATE TREATMENT RESULTS IN IMPROVED QUALITY OF LIFE IN JAPANESE PATIENTS WITH OSTEOPOROSIS**
Shusuke OTA, Yasuyoshi OKAMOTO, Yuji JOYO, Takanobu DOI, Tomohiko KAMOSHITA (JAPAN)
- 47154 DENOSUMAB IN THE TREATMENT OF HYPERCALCEMIA SECONDARY TO HYPERVITAMINOSIS D WITH RENAL IMPAIRMENT**
Gopi Krishna Reddy GADDAM, Sarada VEMPATY, Sreedhar Reddy ALERI (INDIA)

Miscellaneous – *Pain Management*

- 47878 FAILED BACK SURGERY SYNDROME AND FAILED NECK SURGERY SYNDROME IN ONE PATIENT – A CASE REPORT**
Kathryn Anne JIMENEZ, Antonio SISON (PHILIPPINES)
- 47916 ANALGESIA IN FRACTURED NECK OF FEMUR PATIENT WITH A FASCIA ILIACA COMPARTMENT BLOCK PROTOCOL**
James BAILEY, Panteleimon TSANTANIS, Prithish NARAYAN (UNITED KINGDOM)
- 47972 SICKLE CELL TRAIT IN ORTHOPAEDIC SURGERY**
Francesco PISANU, Gianfilippo CAGGIARI, Giacomo GIACHETTI, Marialuisa SATTÀ (ITALY)
- 48359 THE ECONOMIC BURDEN OF BACK PAIN**
Deeraj LOGANATHAN, Mohammed SHAATH, David SOCHART (UNITED KINGDOM)

Miscellaneous – *Prosthetics and Orthotics*

- 47011 AXILLARY VERSUS FOREARM CRUTCHES: WHICH IS SUPERIOR FOR STABILITY AND GAIT?**
Ming Quan Wayne YAP (SINGAPORE)
- 48674 DOUBLE DECKER FOOT ORTHOSIS IN LIMB LENGTHENING**
Shreel KOIRALA (INDIA)

Miscellaneous – Rheumatology

- 48729** **INCIDENCE AND PREVALENCE OF RA: ANALYSIS OF BIO-ELIGIBLE PATIENTS**
Kuldeep MALIK, Shailendra GUPTA (INDIA)
- 48365** **SICKLE CELL DISEASE - PATHOPHYSIOLOGY, SYMPTOMATOLOGY AND MANAGEMENT OF OSTEONECROSIS FEMORAL HEAD**
Subir MUKHERJEE (INDIA)

Orthopaedic Oncology – Miscellaneous

- 46342** **DENOSUMAB COMBINED WITH SUNITINIB IN PATIENT WITH BONE METASTASIS OF HUMERUS FROM RENAL CELL CARCINOMA**
Takafumi UEDA, Shigeki KAKUNAGA, Yukiko MATSUOKA, Ikuo KUDAWARA (JAPAN)
- 46447** **EVALUATION OF VASCULAR PATTERN USED COLOR DOPPLER ULTRASONOGRAPHY IN SOFT TISSUE TUMOURS**
Naoto OEBISU, Manabu HOSHI, Makoto IEUCHI, Tadashi IWAI, Akiyoshi SHIMATANI, Yoshitaka BAN, Naoki TAKADA, Hiroaki NAKAMURA (JAPAN)
- 47054** **THE ROLE OF PATHOLOGIC FRACTURES ON HEALING OF PROXIMAL HUMERUS UNICAMERAL BONE CYST**
Tae-Min LEE, Sungtaek JUNG, Hyeon Wook AHN, Won-Gyun LEE, Gil Hwan LIM (SOUTH KOREA)
- 47204** **A RARE AND CHALLENGING DIAGNOSIS OF MALIGNANT PERIVASCULAR EPITHELIOID CELL NEOPLASM (PECOMA) OF THE CALCANEUS WITH TFE3 EXPRESSION**
Pedro Manuel SERRANO, Luis COUTINHO, Helder FONTE, Claudia RODRIGUES, Marta SANTOS SILVA, Vania OLIVEIRA, Pedro CARDOSO (PORTUGAL)
- 47213** **OSTEOID OSTEOMAS - PERCUTANEOUS RADIOFREQUENCY ABLATION OUTCOMES**
Pedro Manuel SERRANO, Luis COUTINHO, Helder FONTE, Claudia RODRIGUES-MADEIRA, Marta SANTOS SILVA, Vania OLIVEIRA, Pedro CARDOSO (PORTUGAL)
- 47223** **THERMOABLATION IN OSTEOID OSTEOMAS OF THE SPINE - OUR EXPERIENCE**
Pedro Manuel SERRANO, Arnaldo SOUSA, Francisco LEITE, Andre CARVALHO, Marta SANTOS SILVA, Pedro NEVES, Pedro BARREIRA, Vania OLIVEIRA, Pedro CARDOSO (PORTUGAL)
- 47624** **THE WORLD WIDE WEB AS A SOURCE OF INFORMATION FOR EWING SARCOMA PATIENTS - A CRITICAL ANALYSIS**
Paul RUCKENSTUHL, Paul LIEBMANN, Michael SCHIPPINGER, Andreas LEITHNER, Gerwin A. BERNHARDT (AUSTRIA)
- 47828** **HISTOLOGICAL FINDINGS OF RETRIEVED PASTEURISED AUTOGENOUS GRAFT**
Won-Jong BAHK, Hyun-Guy KANG, Whan-Sung CHO (SOUTH KOREA)
- 47829** **SPARGANOSIS OF LOWER EXTREMITY MIMICKING**
Won-Jong BAHK, Yong-Koo KANG, Min-Wook JOO (SOUTH KOREA)
- 47842** **COMMUNAL MULTIDISCIPLINARY MANAGEMENT OF MUSCULOSKELETAL TUMOURS: THE LAGOS EXPERIENCE**
Akinola AKINMADE¹, Oluwaseyi IDOWU¹, Adesegun ABUDU², Suleiman GIWA¹, Uwale EYESAN¹, Mohammed HABEEBU¹, Obiageli NNODU¹, Fatima ABDULKAREEM¹
¹(NIGERIA), ²(UNITED KINGDOM)
- 47867** **OUTCOME OF NEOPLASTIC LESIONS OF SCAPULA - OVER 30-YEAR EXPERIENCE**
Shahbaz MALIK, Oke NWANNEKA, Ridwan HASSAN, Muaaz TAHIR, Chindanai HONGSAPRABHAS, Adriana HERNANDEZ, Robert JORDAN, Scott EVANS, Lee JEYS (UNITED KINGDOM)
- 48005** **COULD SINGLE-PHOTON EMISSION COMPUTED TOMOGRAPHY SCAN BE A NOVEL ALTERNATIVE TO DIFFERENTIATE ENCHONDROMAS AND ATYPICAL CARTILAGINOUS TUMOURS?**
Yong-Koo KANG, Min-Wook JOO, Woo-Hee CHOI, Yang-Guk CHUNG, Won-Jong BAHK (SOUTH KOREA)
- 48011** **EPIDEMIOLOGICAL CHARACTERISTICS OF METASTATIC BONE DISEASE: A RETROSPECTIVE STUDY ANALYSIS**
Saadon Bin IBRAHIM, Amit BHARDWAJ, Zolquarnian Bin AHMAD, Noreen Fazlina MAT NOR (MALAYSIA)
- 48131** **FUNCTIONAL OUTCOME AFTER AMPUTATION FOR TREATING SARCOMAS OF THE LIMBS**
Pedro CARDOSO, Moisés VENTURA, Vânia OLIVEIRA (PORTUGAL)

- 48249 PATHOLOGICAL HUMERAL FRACTURES – SURGICAL TREATMENT AND EVALUATION OF A SURVIVAL SCORE**
Sandra STENICKA, Robin RISTL, Elena NEMECEK, Robert BREUER, Philipp FUNOVICS, Reinhard WINDHAGER (AUSTRIA)
- 48323 CLINICAL OUTCOMES AND PROGNOSTIC FACTORS OF HIGH-GRADE NON-METASTATIC SOFT TISSUE SARCOMAS**
Yang-Guk CHUNG, Seung Han SHIN, Yong-Koo KANG, Min Wook JOO, Won Jong BAHK (SOUTH KOREA)
- 48350 ROLE OF DIFFUSION WEIGHTED MRI IN CHARACTERISATION OF MUSCULOSKELETAL LESIONS**
Purnima AGGARWAL, Vivek JIRANKALI, Dharmendra Kumar SINGH, Sudhir Kumar GARG (INDIA)
- 48534 STUDY OF 100 CASES OF PARAPLEGIA DUE TO METASTASIS DUE TO UNKNOWN PRIMARIES**
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)
- 48627 GIANT-CELL TUMOUR: THE ROLE OF DENOSUMAB IN RECURRENT OR UNRESECTABLE TUMOURS - A 4-CASE REPORT AND REVIEW OF THE LITERATURE**
Manuel FERNANDES MARQUES, Bruno LOPES CORREIA, Luis COSTA BARROS, Marta SANTOS SILVA, Arnaldo ALVES DE SOUSA, Diogo MARQUES PASCOAL, Pedro CARDOSO (PORTUGAL)
- 48793 ONCOLOGICAL OUTCOME OF EWING'S SARCOMA OF SCAPULA**
Shahbaz MALIK, Muaaz TAHIR, Sheraz MALIK, Scott EVANS, Robert JORDAN, Seggy ABUDU, Lee JEYS (UNITED KINGDOM)

Orthopaedic Oncology – Operative Treatment

- 46167 RECONSTRUCTION WITH MASSIVE ALLOGRAFTS FOR TUMOUR RESECTION IN THE LOWER LIMB: A CASE SERIES AT MIDDLE TERM FOLLOW-UP**
Matthieu EHLINGER, Luca CANNAVO, Adrien D'AMBROSIO, Henri FAVREAU, Antonio DI MARCO, Philippe ADAM, Francois BONNOMET (FRANCE)
- 46240 EXPERIENCE OF USING INTERLOCKING NAIL IN PATHOLOGIC PROXIMAL FEMUR FRACTURE**
Yu Hung CHEN (TAIWAN)
- 46320 TREATMENT OF PATHOLOGICAL FRACTURE OF THE PROXIMAL HUMERUS USING THE INTRAMEDULLARY NAIL**
Karl WU (TAIWAN)
- 46440 SOLITARY GIANT OSTEOCHONDROMA OF ILLIUM**
Jameel SYED SUHAIB¹, Sanjay Prasad HEGDE²
¹(UNITED KINGDOM), ²(INDIA)
- 46456 GLOMUS TUMOURS: OUTCOME BASED ON TUMOUR LOCATION**
Zain-Ur-Rehman REHMAN (PAKISTAN)
- 46528 SCHWANNOMA OF THE TIBIAL NERVE (A CASE REPORT)**
Kamel ACHOUR, Abdel Halim OULD ROUIS, Mourad OUBIRA, Reda HARRAR, Soumia KERTOUS, Mourad HAMIDANI (ALGERIA)
- 46600 OSTEIOD OSTEOMA OF FEMUR!! A MISLEADING RADIOLOGICAL PICTURE**
Syed Suhaib JAMEEL¹, Shiva KUMAR²
¹(UNITED KINGDOM), ²(INDIA)
- 46602 ISOLATED NEUROFIBROMA OF ULNAR NERVE**
Syed Suhaib JAMEEL¹, Sandeep GOUD², Hemant KALYAN³
¹(UNITED KINGDOM), ²(BAHAMAS), ³(INDIA)
- 46615 OSTEOCLASTOMA (GIANT CELL TUMOUR) OF DISTAL ULNA, A COMBINED APPROACH OF BONE SUBSTITUTES + GRAFT**
Syed Suhaib JAMEEL¹, Kalyan HEMANT²
¹(UNITED KINGDOM), ²(INDIA)
- 46730 JOINT PRESERVATION SURGERY IN OSTEOSARCOMA PATIENTS USING LIQUID NITROGEN TREATED TUMOUR-BEARING BONE**
Norio YAMAMOTO, Takashi HIGUCHI, Katsuhiko HAYASHI, Akihiko TAKEUCHI, Kensaku ABE, Yuta TANIGUCHI, Hisateru AIBA, Yoshihiro ARAKI, Karem ZEKRY, Gang XU, Hiroyuki TSUCHIYA (JAPAN)
- 46734 EPIDEMIOLOGICAL STUDY AND TREATMENT RESULTS OF 556 CASES OF BONES SARCOMAS IN A SINGLE CENTRE**
Reda HARRAR, Kamel ACHOUR, Mourad OUBIRA, Rachid BELLAHSENE, Mourad HAMIDANI, Chafiza GRARADJ, Amine TOUHAMI (ALGERIA)

- 46757** **SYNOVIAL CHONDROMATOSIS IN THE INFRAPATELLAR FAT PAD: A RARE CAUSE OF ANTERIOR KNEE PAIN**
Evrin SIRIN, Nuri AYDIN, Baransel SAYGI, Baris YILMAZ (TURKEY)
- 46802** **PATHOLOGICAL FEATURES OF MALIGNANT GIANT CELL TUMOUR**
Ludmila PASHKEVICH, Mohammad Taher MOHAMMADI, Alexander BELETSKY, Ihor SHPILEVSKY (BELARUS)
- 46803** **SURGICAL TREATMENT OF GIANT CELL TUMOUR OF LONG BONES IN CHILDREN**
Ludmila PASHKEVICH, Ihor SHPILEVSKY, Alexander BELETSKY, Mohammad Taher MOHAMMADI (BELARUS)
- 46873** **SUPERFICIAL ACRAL FIBROMYXOMA: A RARE AND DISTINCT SOFT TISSUE TUMOUR - A CASE REPORT**
Anubhav MALHOTRA, Ravi GUPTA, Vinisha BANSAL, Sonam ARORA (INDIA)
- 46885** **EXTRACOMPARTMENTAL SOFT TISSUE SARCOMAS: SURGICAL DIFFICULTIES AND RESULTS**
Reda HARRAR, Kamel ACHOUR, Mourad OUBIRA, Amine TOUHAMI, Meriem GUIDOUM BOUZIANE, Chafiza GRARADJ, Mourad HAMIDANI (ALGERIA)
- 46901** **USE OF MOSAICPLASTY AND 3D PRINTING AS A UNIQUE APPROACH TO TREAT CHONDROBLASTOMA OF FEMORAL HEAD**
Tarun VERMA (INDIA)
- 47200** **THE TIKHOFF-LINBERG PROCEDURE: RECONSTRUCTION OPTIONS - REPORT OF 3 CASES**
Pedro Manuel SERRANO, Luis COUTINHO, João ESTEVES, Luis BARROS, Marta SANTOS SILVA, Vânia OLIVEIRA, Pedro CARDOSO (PORTUGAL)
- 47220** **SURGERY FOR EXTREMITY SCHWANNOMA**
Evrin SIRIN, Baris YILMAZ, Bulent EROL (TURKEY)
- 47239** **TOTAL HUMERAL REPLACEMENT WITH BIARTICULAR PROSTHESIS AFTER EXTENSIVE CHONDROSARCOMA RESECTION - FUNCTIONAL ASPECTS OF LIMB PRESERVATION**
Pedro Manuel SERRANO, João ROSA, Luis COUTINHO, Pedro MOTA, Marta SANTOS SILVA, Hugo VASQUES, Vania OLIVEIRA, Pedro CARDOSO (PORTUGAL)
- 47251** **CLINICAL RESULTS OF OSTEOSARCOMA PATIENTS OF LOWER EXTREMITY UNDER 12 YEARS OLD**
Kenichiro HAMADA, Norifumi NAKA, Satoshi TAKENAKA, Hideki YOSHIKAWA (JAPAN)
- 47258** **DIFFUSE CHONDROSARCOMA OF THE FIBULA: A CASE REPORT**
Nadhir MERAGHNI, Mohamed KIHAL, Riad BENKAIDALI, Hafida LADOUANI, Mhamed NOUAR, Zoubir KARA (ALGERIA)
- 47591** **EOSINOPHILIC GRANULOMA OF THE BONE: A REPORT OF TWO CASES**
Nadhir MERAGHNI, Youcef SOUFFI, Riad BENKAIDALI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47699** **BONE SUBSTITUTION WITH BETA TRICALCIUM PHOSPHATE GRANULES IN CAVITATORY TUMOUR RELATED BONE DEFECTS - COMPACTION OF GRANULES INCREASES OSTEOCONDUCTIVE EFFECTS - CLINICAL EXPERIENCE IN 25 CASES**
Singh MANINDERPAL, R.R. SAGGAR (INDIA)
- 47701** **A RARE CASE REPORT OF MULTICENTRIC NON-MONOMELIC SYNCHRONOUS CHONDROSARCOMA SECONDARY TO MAFFUCCI SYNDROME: APPROACH TO DIAGNOSIS AND TREATMENT**
Singh MANINDERPAL, R.R. SAGGAR (INDIA)
- 47710** **FIBULAR AUTOGRAFT ARTHROPLASTY FOR RECURRENT GCT DISTAL RADIUS**
Sparsh NAIK, Pradeep SINGH (INDIA)
- 47728** **SOLID VARIANT OF ANEURYSMAL BONE CYST OF PATELLA - A CASE REPORT**
Singh MANINDERPAL, R.R. SAGGAR (INDIA)
- 47821** **EXTRA-ARTICULAR SYNOVIAL SARCOMA: A CASE REPORT**
Nadhir MERAGHNI, Mohamed KIHAL, Anissa TAIBI, Riad BENKAIDALI, Mhamed NOUAR, Zoubir KARA (ALGERIA)
- 47936** **TENOSYNOVIAL GIANT CELL TUMOUR OF THE FOOT: A CASE REPORT**
Nadhir MERAGHNI, Riad BENKAIDALI, Abdelrezak CHOUITI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47953** **OSTEOID OSTEOMA OF THE TALUS: A CASE REPORT**
Nadhir MERAGHNI, Anissa TAIBI, Riad BENKAIDALI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47971** **OSTEOID OSTEOMA OF THE ANTERIOR WALL OF THE ACETABULUM: A CASE REPORT**
Nadhir MERAGHNI, Mohamed KIHAL, Rachid NEMMAR, Youcef SOUFFI, Mhamed NOUAR, Zoubir KARA (ALGERIA)

- 47976 HIBERNOMA, A BROWN FAT TUMOUR: ABOUT FIVE CASES**
Nadhir MERAGHNI, Mohamed KIHAL, Anissa TAIBI, Riad BENKAIDALI, Mhamed NOUAR, Zoubir KARA (ALGERIA)
- 48118 MYOSITIS OSSIFICANS BORDERLINE PAROSTEAL OSTEOSARCOMA BEHAVIOUR – CASE REPORT AND LITERATURE REVIEW**
Razvan-Silviu CISMASIU, Rares Mircea BIRLUTIU, Victoria BIRLUTIU (ROMANIA)
- 48136 TREATMENT RESULTS OF PATHOLOGICAL FRACTURES OF THE PROXIMAL FEMUR WITH THE PROSTHETIC RECONSTRUCTION**
Masaru HIYOSHI (JAPAN)
- 48270 RESULTS OF SURGICAL TREATMENT OF FIBROMATOSIS**
Philipp FUNOVICS, Joannis PANOTOPOULOS, Reinhard WINDHAGER (AUSTRIA)
- 48327 SOFT TISSUE SARCOMA ARISEN FROM NEEDLE BIOPSY TRACT**
Yang-Guk CHUNG, Seung Han SHIN, Min Wook JOO, Yong-Koo KANG (SOUTH KOREA)

Orthopaedic Oncology – Upper Extremity

- 48181 ANEURYSMAL BONE CYST OF THE PHALANX: A CASE REPORT**
Nadhir MERAGHNI, Riad BENKAIDALI, Mohamed KIHAL, Zoubir KARA (ALGERIA)

Orthopaedic Oncology – Upper Limb

- 47870 GIANT LIPOMA OF THE HAND: CLINICAL CASE PRESENTATION AND LITERATURE REVIEW**
Youssef BENYASS, Bouchaib CHAFRY, Mohammed BOUSSAIDANE, Valdumir Ravid MENDES TEIXEIRA, Salim BOUABID, Driss BENCHEBBA, Mostapha BOUSSOUGA (MOROCCO)
- 48247 EXCEPTIONAL LOCATION OF THE LEIOMYOMA AT THE LEVEL OF THE FINGERS: ABOUT A CASE**
Youssef BENYASS, Mohammed BOUSSAIDANE, Mohamed Jalal EL MEKKAOUI, Driss BENCHEBBA, Salim BOUABID, Bouchaib CHAFRY, Mostapha BOUSSOUGA (MOROCCO)

Paediatrics – Clubfoot

- 46667 A STUDY OF NORMAL FOOT ABDUCTION ACROSS VARIOUS AGE GROUPS IN CHILDREN**
Naveen MITTAL, Parmanand GUPTA, Nipun JINDAL, Preeti VERMA, Mrinalini SHARMA (INDIA)
- 46679 CLINICAL STUDY OF LIGAMENTOTAXIS USING JOSHI'S EXTERNAL FIXATOR SYSTEM, MODIFIED FRAME IN THE MANAGEMENT OF NEGLECTED, RELAPSED, RESISTANT ELDERLY CTEV CHILD**
Tanvi SURYAWANSHI, Raviraj SHINDE, Ajit SHINDE (INDIA)
- 46714 CONGENITAL CLEFT FOOT WITH BILATERAL C.T.E.V.**
Syed Suhaib JAMEEL, Amanda HAWKINS (UNITED KINGDOM)
- 47531 PROFILE EVALUATION OF THE RESISTENT CLUBFOOT IN A CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Daniel ANDION, Marcelo BONANZA, Fabio MATOS, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA, Gustavo SANTOS (BRAZIL)
- 47985 OUR EXPERIENCE IN TREATING SYNDROMIC CLUBFOOT BY PONSET'S METHOD**
Alok Chandra AGRAWAL (INDIA)

Paediatrics – Limb Lengthening

- 48158 VALIDATION OF PIN SITE INFECTION ASSOCIATED WITH CIRCULAR FRAME WITH RUSSIAN PROTOCOL FOR PIN SITE CARE**
Rajkumar THANGARAJ, Hakimi MOUNIR, Ravi JUGDEY, Deepak VASUDEVANSREE, Ibrar MAJID, Farhan ALI (UNITED KINGDOM)

- 46304 OUTCOME OF COMBINED RECONSTRUCTIVE PROCEDURE WITH REROUTING OF THE TIBIALIS ANTERIOR TENDON IN SEVERE FLEXIBLE FLATFOOT**
Osman Abd Ellah MOHAMED (EGYPT)
- 46439 FLEXIBLE INTRAMEDULLARY NAILS: THE PANACEA FOR PAEDIATRIC FEMORAL SHAFT FRACTURES**
Jagandeep VIRK, Jagdeep SINGH, Anoop KALIA (INDIA)
- 46504 CLINICAL OUTCOME OF OPEN FRACTURES IN PAEDIATRIC PATIENTS TREATED WITH EXTERNAL FIXATOR**
Vishwajeet SINGH, Binoti A. SHETH (INDIA)
- 46745 MANAGEMENT OF OLD NEGLECTED, RECURRENT AND RESISTANT CASES OF CTEV BY JOSHI'S EXTERNAL STABILISATION SYSTEM (JESS)**
Ameen Ahamed CHAMPOKADAVIL (INDIA)
- 47523 TREATMENT OF HALLUX VALGUS ON CHILDREN AND JUVENILES WITH CHEVRON TECHNIQUE: EXPERIENCE OF A CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Fernanda CORTIZO GARCIA, Maria Beatriz CORTIZO GARCIA, Lucas ROCHA (BRAZIL)
- 47525 EVALUATION OF GENU VALGUM AND FLATFOOT IN A BRAZILIAN CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Marcelo BONANZA, Fabio MATOS, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA, Breno LUZ (BRAZIL)
- 47528 PROFILE OF PATIENTS WITH CEREBRAL PALSY SUBMITTED TO SURGICAL TREATMENT FOR THE CORRECTION OF THE CLUBFOOT AT A BRAZILIAN HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Marcelo BONANZA, Fabio MATOS, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA, Elaine GHIROTTO (BRAZIL)
- 47529 EPIDEMIOLOGICAL PROFILE OF CHILDREN TREATED AT THE SURGICAL THEATRE OF A CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA (BRAZIL)
- 47532 COMPARATIVE STUDY BETWEEN THE OBESITY AND THE GENU VALGUM IN INFANTS**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Marcelo BONANZA, Fabio MATOS, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA, Laise TORRES (BRAZIL)
- 47533 COMPARATIVE STUDY BETWEEN KITE AND PONSETI METHODS ON TREATMENT OF CLUBFOOT IN A BRAZILIAN HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA, Rafaela JUCA (BRAZIL)
- 47535 CORRELATION BETWEEN PASSIVE SMOKING AND LEGG-CALVE-PERTHES DISEASE**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Daniel ANDION, Marcelo BONANZA, Fabio MATOS, Maria Beatriz CORTIZO GAARCIA, Fernanda CORTIZO GARCIA (BRAZIL)
- 47536 MARTAGAO GESTEIRA HOSPITAL PROTOCOL FOR DIAPHYSEAL FEMUR FRACTURES MANAGEMENT**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA (BRAZIL)
- 47538 CLUBFOOT SURGICAL APPROACH WITH CINCINNATI'S INCISION: A SURGICAL TECHNIQUE**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Maria Beatriz CORTIZO GARCIA, Fernanda CORTIZO GARCIA (BRAZIL)
- 47542 PROFILE OF CHILDREN WITH BLOUNT'S DISEASE IN A CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Daniel ANDION, Fabio MATOS, Marcelo BONANZA, Fernanda CORTIZO GARCIA, Maria Beatriz CORTIZO GARCIA, Deya ARGOLLO (BRAZIL)
- 47544 EVALUATION OF OSTEOARTICULAR INFECTION AT THE MARTAGÃO GESTEIRA HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Marcelo BONANZA, Fabio MATOS, Daniel ANDION, Fernanda CORTIZO GARCIA, Maria Beatriz CORTIZO GARCIA, Eduardo KING (BRAZIL)
- 47601 THE EFFECT OF THE DOUBLE OSTEOTOMY WITH OPENING WEDGE CUNEIFORM AND CLOSING WEDGE CUBOID ON THE MORPHOLOGY OF THE POSTERIOR TARSAL IN Z-SHAPED FOOT AND CLUBFOOT**
Hassan NAJDI, Hussein FARHAT, Elie MAKHOUL, Roger JAWISH (LEBANON)
- 47792 EVALUATION OF VARIOUS SURGICAL OPTIONS IN MANAGEMENT OF PAEDIATRIC GENU VARUM**
Akhil AGNIHOTRI (INDIA)
- 47864 ISELIN'S DISEASE**
Richard FORRESTER (UNITED KINGDOM)

- 47927 ISCHIAL TUBEROSITY AVULSION IN ADOLESCENTS**
Petr HAVRANEK, Valer DZUPA, Tomas PESL (CZECH REPUBLIC)
- 48013 KNEE INTRA-ARTICULAR INJURY IN CHILDHOOD**
Vojtech HAVLAS, Teodoros PHILIPPOU (CZECH REPUBLIC)
- 48080 A MINIMALLY INVASIVE TECHNIQUE FOR DEROTATIONAL FEMORAL OSTEOTOMY IN SYMPTOMATIC FEMORAL ANTEVERSION; EARLY TO MID TERM RESULTS**
Yusuf MIRZA, Conal HORGAN, Sujit KADAMBANDE (UNITED KINGDOM)
- 48275 EVALUATION OF EFFECTIVENESS AND LIMITATIONS OF A PONSETI TRAINING PROGRAMME**
Gunjar JAIN, Sandeep LENKA, Rajesh P. (INDIA)
- 48428 DOUBLE OBLIQUE SLIDING OSTEOTOMY (DOSO) OF THE PROXIMAL FEMUR WITH A SHORT NECK AND AN ELEVATED GREATER TROCHANTER**
Won Seok PARK, Hui Taek KIM, Tae Young AHN, In Hee KIM (SOUTH KOREA)

Paediatrics – Miscellaneous

- 46505 PRIMARY TREATMENT OF INJURED CHILDREN USING 'HUMANE SURGICAL POSITIONING' IN MEDICALLY DEVELOPING COUNTRIES**
Kapil BAKSHI (UNITED ARAB EMIRATES)
- 47124 COEXISTED RATE OF MUSCULOSKELETAL DISEASE IN JAPANESE PATIENTS WITH DOWN SYNDROME**
Tetsuhito OKUDA (JAPAN)
- 48151 THE PROBLEM OF METALLOSIS IN PAEDIATRIC SPINAL SURGERY: EXISTING EVIDENCE OF FACT VS. FICTION**
Nanjundappa S. HARSHAVARDHANA¹, John P. DORMANS²
¹(UNITED KINGDOM), ²(UNITED STATES)
- 48538 SHORT TERM IV ANTIBIOTIC THERAPY FOR THE POST OPERATIVE TREATMENT OF CHILDREN WITH CHRONIC OSTEOMYELITIS**
Carlo Emmanuel Sumpaico, Jerome Sison (PHILIPPINES)
- 48807 PAEDIATRIC CALCIFIC TENDONITIS: A RARE CAUSE OF HAND PAIN**
Kathryn KNEALE, Rupert WHARTON, Dimitri AMIRAS, Afshin ALAVI, Khaled SARRAF (UNITED KINGDOM)

Paediatrics – Neuromuscular Disorder

- 46758 NATURAL HISTORY OF SCOLIOSIS IN CEREBRAL PALSY**
Kiyoshi YOSHIDA, Kajiura ICHIRO (JAPAN)
- 47684 DERMATOMYOSITIS IN AN EIGHT-YEAR-OLD CHILD: DIAGNOSTIC DILEMMA**
Bushu HARNA (INDIA)

Paediatrics – Upper Extremity

- 46377 PAEDIATRIC SCAPHOID NON-UNION: TREATMENT CHOICES**
Jameel SYED SUHAIB, Roshin THOMAS, Ashok SINGH (UNITED KINGDOM)
- 46626 VIDEOGRAPHIC ASSESSMENT OF THE MECHANISM OF SUPRACONDYLAR FRACTURE OF HUMERUS IN CHILDREN**
Mohamed Amr HEMIDA, Khaled EMARA, Mohamed ASHRY, Mahmoud EL SHOUBAKY (EGYPT)
- 47045 DIAPHYSEAL NON-UNION IN CHILDREN**
Tae-Min LEE, Sungtaek JUNG, Hyeon Wook AHN, Won-Gyun LEE, Gil Hwan LIM (SOUTH KOREA)
- 47545 SUPRACONDYLAR FRACTURE: OPEN REDUCTION VS. CLOSED REDUCTION TREATS IN A BRAZILIAN CHILDREN'S HOSPITAL**
Fernando GARCIA, Lucas CORTIZO GARCIA, Magda LEAO PINHEIRO, Marcelo BONANZA, Fabio MATOS, Maria Beatriz CORTIZO GARCIA, Daniel ANDION, Fernanda CORTIZO GARCIA, Tomas ANDRADE (BRAZIL)
- 47732 IPSILATERAL HUMERAL AND RADIOULNAR FRACTURES IN CHILDREN: A REVIEW OF 7 CASES FROM 1,243 PATIENTS**
Po Meng HSAIO (TAIWAN)

- 48156 **DORSALLY ANGULATED/DISPLACED DISTAL RADIUS FRACTURES IN CHILDREN - SINGLE OR DOUBLE K-WIRE FIXATION?**
Rajkumar THANGARAJ, Farhan ALI (UNITED KINGDOM)
- 48286 **ORIF LATERAL HUMERAL CONDYLE FRACTURE IN CHILDREN - STUDY OF 56 CASES**
Anil SINGHAL (INDIA)
- 48521 **TRAILING K-WIRES ARE BETTER THAN BONE ABUTTING WIRES FOR PAEDIATRIC LATERAL HUMERAL CONDYLE FRACTURES - A RANDOMISED CONTROLLED TRIAL**
Harsh SINGH (INDIA)

Research – Basic Science: Allografts

- 47238 **APPLICATION OF CRYOALLOGRAFT IN ORTHOPAEDICS AND TRAUMATOLOGY**
Nedelcho TZACHEV, Nikolay IVANOV, Vladimir STOICHKOV, Nikola HARISKOV (BULGARIA)

Research – Basic Science: Biomaterials and Implants

- 46405 **BIOMECHANICAL ANALYSIS OF TWO DIFFERENT SUTURE TECHNIQUES IN ANTERIOR CRUCIATE LIGAMENT GRAFT-LINK TENDON PREPARATION: AN ANATOMICAL SPECIMEN STUDY**
Thomas TIEFENBOECK, Lena HIRTLER, Markus WINNISCH, Julian JOESTL, Thomas KOCH, Micha KOMJATI, Marcus HOFBAUER, Roman OSTERMANN (AUSTRIA)
- 46406 **DOES A BIGGER DIAMETER OF THE USED SUTURES INFLUENCE MECHANICAL STABILITY OF THE GRAFT IN ACL ALL INSIDE RECONSTRUCTION – A BIOMECHANICAL CADAVER STUDY**
Thomas TIEFENBOECK, Lena HIRTLER, Markus WINNISCH, Micha KOMJATI, Julian JOESTL, Thomas KOCH, Marcus HOFBAUER, Roman OSTERMANN (AUSTRIA)
- 46619 **OSTEOINTEGRATION OF CUSTOMISED IMPLANTS IN TUBULAR BONE IN ILIZAROV EXTERNAL FIXATION (EXPERIMENTAL STUDY)**
Alexander GUBIN, Artem REZNIK, Elena GORBACH, Andrey EMANOV, Viktor KUZNETSOV, Dmitry BORZUNOV (RUSSIA)
- 46701 **ULTRA-FAST GENE PROFILING OF DEFA1-IL1B-LTF DISTINGUISHES PERIPROSTHETIC TISSUE INFECTION IN PATIENTS WITH TOTAL JOINT ARTHROPLASTIES**
Jiri GALLO, Regina FILLEROVA, Martin RADVANSKY, Veronika KRAICZOVA, Milos KUDELKA, Eva KRIEGOVA (CZECH REPUBLIC)
- 46759 **THE EFFECT OF STERILISATION ON ANTIBIOTIC BEADS AFTER 12-MONTH STORAGE: AN EXPERIMENTAL STUDY**
Pornpanit DISSANEEWATE (THAILAND)
- 47104 **DETERMINATION OF IDEAL BIOABSORBABLE MG–35ZN–XCA ALLOY DEPENDING ON CA CONCENTRATION**
Dong Gun SHIM, Kwang-Bok LEE (SOUTH KOREA)
- 48025 **BIO-ISOS - A NOVEL BIODEGRADABLE INTRAMEDULLARY OSTEOSYNTHESIS DEVICE TO TREAT DIAPHYSEAL FRACTURES OF SMALL HOLLOW BONES**
Axel GREINER, Felix MASSEN, Maximilian BAUER, Philipp PAPROTTKA, Fabian SOMMER, Bianca RUBENBAUER, Oliver PIESKE (GERMANY)

Research – Basic Science: Biomechanics

- 46169 **SIMULATION SOFTWARE FOR PERIPROSTHETIC FEMORAL FRACTURE**
Matthieu EHLINGER, Hadrien COURTECUISSÉ, Philippe ADAM, Francois BONNOMET, Daniel BAUMGARTNER (FRANCE)
- 46670 **MECHANICAL ADVANTAGE OF HAMSTRING TIBIAL INSERTION PRESERVATION IN ACL RECONSTRUCTION USING A HAMSTRING GRAFT - CADAVERIC STUDY**
Matthieu EHLINGER, David BAHLAU, Philippe ADAM, Sebastien LUSTIG, Francois BONNOMET, Philippe CLAVERT (FRANCE)
- 46684 **ASIATIC ACID SUPPRESSES OSTEOCYTOSIS OF FEMORAL HEAD AND ABROGATES OSTEOCLAST FORMATION VIA RANKL-INDUCED PATHWAYS THROUGH NF-KB AND NFAT**
Guoju HONG¹, Wei HE², Xiaobo CHEN², Xiaorui HAN², Haibin WANG²
¹(AUSTRALIA), ²(CHINA)

- 46898 NUMERICAL INVESTIGATION OF TIBIAL TUBERCLE OSTEOTOMY FIXED WITH VARIOUS SCREW CONFIGURATIONS**
Chih-Wei CHANG, Yen-Nien CHEN, Chyun-Yu YANG, Chih-Han CHANG, Yi-Jung MA, Wei-Ren SU (TAIWAN)
- 48187 FOOT LOADING AND GAIT ANALYSIS EVALUATION IN 26 CONSECUTIVE YOUNG PATIENTS SUFFERING FROM ASSOCIATED ACETABULAR FRACTURES TREATED BY OPEN INTERNAL SURGERY**
Luigi MECCARIELLO, Giuseppe ROLLO, Gabriele FALZARANO, Michele BISACCIA, Paolo PICHIERRI, Antonio MEDICI, Marco FILIPPONI, Vitaliano Francesco MUZII (ITALY)
- 48417 BIOMECHANICAL EVALUATION OF CERVICAL DISC REPLACEMENT WITH A NOVEL PROSTHESIS**
Jigang LOU (CHINA)
- 48502 BIOMECHANICAL ANALYSIS AFTER FIXED- AND MOBILE-CORE ARTIFICIAL CERVICAL DISC REPLACEMENT**
Jigang LOU (CHINA)

Research – Basic Science: Tissue Engineering

- 46546 EFFECT OF SMALL INTERFERING RNA-MEDIATED SUPPRESSION OF FAS ON APOPTOSIS AND PROLIFERATION OF RAT INTERVERTEBRAL DISC CELLS**
Jong-Beom PARK (SOUTH KOREA)
- 46940 MRNA EXPRESSIONS OF FIBROCHONDROCYTE CULTURES ACCORDING TO AGE AND SIDE OF THE HUMAN MENISCUS**
Nuri AYDIN, Bedri KARAIMAIOGLU, Selma YILMAZER, Duygu GEZEN AK, Erdinc DURSUN, Irem Lutfiye ATASOY, Merve ALAYLIOGLU, Esin CANDAS (TURKEY)
- 48191 HARVESTING SITES OF ADIPOSE TISSUE FOR STEM CELL CULTURE AND TISSUE ENGINEERING IN RATS**
Andreas MAVROGENIS, Panayiotis MEGALOIKONOMOS, Georgios PANAGOPOULOS, Myrto BAMI, Mandy MILONAKI, Evanthia MITSIOKAPA (GREECE)

Research – Basic Science: Trauma and Bone

- 46431 NEUROFILAMENT DISTRIBUTION IN THE LONG HEAD OF THE BICEPS TENDON AND THE SUPERIOR LABRUM**
Sandra BOESMUELLER¹, Antal NÓGRÁDI², Patrick HEIMEL¹, Christian ALBRECHT¹, Sylvia NUERNBERGER¹, Heinz REDL¹, Christian FIALKA¹, Rainer MITTERMAYR¹
¹(AUSTRIA), ²(HUNGARY)
- 47192 NON-VERTEBRAL FRACTURES IN UKRAINIAN WOMEN WITH OBESITY AND METABOLIC SYNDROME IN POSTMENOPAUSAL PERIOD**
Vladyslav POVOROZNYUK, Larysa MARTYNYUK, Nataliia DZEROVYCH (UKRAINE)
- 47194 BONE MINERAL DENSITY AND TRABECULAR BONE SCORE IN MEN WITH VERTEBRAL FRACTURES**
Vladyslav POVOROZNYUK, Anna MUSIENKO (UKRAINE)
- 47195 DIFFERENT TYPES OF PHYSICAL ACTIVITIES AND RISK OF VERTEBRAL FRACTURES IN POSTMENOPAUSAL WOMEN**
Vladyslav POVOROZNYUK, Nataliia GRYGORIEVA, Helen RYBINA (UKRAINE)
- 47321 DOES SURGICAL DELAY EFFECT THE TEMPORAL EXPRESSION OF BONE TURNOVER MARKERS AFTER INTRAMEDULLARY NAILING OF ISOLATED FEMORAL SHAFT FRACTURE**
Vivek TRIKHA, Buddhadev CHOWDHURY, Arulselvi SUBRAMANIAM (INDIA)
- 47915 INCREASED IL-6, FIBRINOGEN, D-DIMER, F1.2 AND SICAM-1 IN PATIENTS WITH HIP FRACTURE**
Jan KVASNICKA, Zdenek KRASKA, Zuzana KUDRNOVA (CZECH REPUBLIC)

Research – Clinical

- 46172 KINEMATIC ANALYSIS OF THE HEALTHY AND ARTHROTIC KNEE AND AFTER THE TKR**
Radek HART, Filip BUCEK (CZECH REPUBLIC)
- 46207 DELAYED EXPRESSION OF CIRCULATING TGF- β 1 AND BMP-2 LEVELS IN HUMAN NON-UNION LONG BONE FRACTURE HEALING**
Yoshiaki HARA, Hisashi MATSUMOTO, Nobuyuki SAITO, Takanori YAGI, Hiroaki IIDA, Kazuki MASHIKO, Hiroshi YASUMATSU, Tomokazu MOTOMURA (JAPAN)

- 47600 THE INCIDENCE OF VITAMIN D DEFICIENCY IN PATIENTS WITH AN ACUTE TIBIA FRACTURE**
Issadig RHOMA (SOUTH AFRICA)
- 48085 A CLINICAL TRIAL OF RAPID COMBINATION OF MESENCHYMAL STEM CELLS AND POROUS BETA-TRICALCIUM PHOSPHATE USING A NEW REACTION BOX TO PROMOTE BONE REGENERATION**
Yaokai GAN, Yifu ZHUANG, Kerong DAI (CHINA)
- 48378 THE APPLICATION OF FRAX TO ASSESS THE RISK OF OSTEOPOROTIC FRACTURES IN UKRAINIAN POPULATION**
Vladyslav POVOROZNYUK¹, Nataliia GRYGORIEVA¹, John KANIS², Helena JOHANSSON², Eugene MC CLOSKEY²
¹(UKRAINE), ²(UNITED KINGDOM)
- 48696 A MOMENT ON THE LIPS, A LIFETIME ON THE HIPS: POINT PREVALENCE OF METABOLIC SYNDROME, OBESITY AND SHORT-TERM COMPLICATIONS IN PRIMARY JOINT ARTHROPLASTY IN AN URBAN SOUTH AFRICAN TEACHING HOSPITAL**
Thando NCUBE, Joseph WESSELS, Chris FREY (SOUTH AFRICA)
- 48819 THE SENSIBLE INNERVATION OF THE GREATER TROCHANTER – ANATOMICAL DETAILS FOR A BETTER TREATMENT OF THE GREATER TROCHANTERIC PAIN SYNDROME**
Wolfram TESKE, Birthe GENTH, Christoph VON SCHULZE PELLENGAHR, Monika VON DÜRING, Sonja ZIRKE, Matthias LAHNER (GERMANY)

Research – Miscellaneous

- 47222 PREVALENCE OF HEPATITIS 'B' & 'C' & IMPORTANCE OF COAGULATION PROFILE IN PATIENTS PRESENTING TO ORTHOPAEDIC WARD OF A TERTIARY CARE HOSPITAL**
Junaid KHAN, Riaz AHMED (PAKISTAN)
- 47232 DEPENDENCY OF ACCURACY OF MARKER-BASED RADIOSTEREOMETRIC ANALYSIS (RSA) IN PHANTOM EXPERIMENTS ON THE FIXATION OF MARKERS TO THE IMPLANT OR TO THE JIG**
Han CAO, Jing XU, Yutong HONG, Raimund FORST, Stefan SESSELMANN (GERMANY)
- 47240 EVALUATION OF FEATURE POINT MOVEMENT IN CADAVER EXPERIMENTAL STUDY BASED ON MODEL-BASED RADIOSTEREOMETRIC ANALYSIS (RSA)**
Han CAO, Jing XU, Yutong HONG, Raimund FORST, Stefan SESSELMANN (GERMANY)
- 47241 INFLUENCE OF BONE MARKER DISTRIBUTION IN MODEL-BASED RADIOSTEREOMETRIC ANALYSIS (RSA) PHANTOM EXPERIMENTS**
Han CAO, Jing XU, Yutong HONG, Raimund FORST, Stefan SESSELMANN (GERMANY)
- 47666 MODELLING SURGICAL LEARNING CURVES IN ORTHOPAEDICS**
Epaminondas VALSAMIS, Adnan HUSSAIN, Amir-Reza JENABZADEH (UNITED KINGDOM)
- 47928 RESULTS OF EARLY DIAGNOSIS AND RAPID DETECTION OF RIFAMPICIN RESISTANCE BY CARTRIDGE BASED NUCLEIC ACID AMPLIFICATION (CBNAAT) TEST IN MUSCULOSKELETAL TUBERCULOSIS**
Sumit SURAL, Hari KISHAN, Anil DHAL, Ashwani KHANNA, Mahmud HANIF (INDIA)
- 48088 INTRANEURAL OX7-SAPORIN NEUROTOXIN INHIBITS NEUROMA-IN-CONTINUITY FORMATION IN RATS**
Andreas MAVROGENIS, Panayiotis MEGALOIKONOMOS, Georgios PANAGOPOULOS, Vasileios IGOUMENOU, Evanthia MITSIOKAPA (GREECE)
- 48298 PLATELET RICH PLASMA FOR OSTEOARTHRITIS OF KNEE**
Satish Chandra GOEL (INDIA)
- 48394 EFFICACY OF THROMBOPROPHYLAXIS IN SURGERY OF LOWER LIMBS ESPECIALLY HIP AND KNEE - A PROSPECTIVE STUDY OF 100 CASES**
Tarun KUKREJA, Anteshwar BIRAJDAR (INDIA)
- 48730 HOW TO AVOID MALPRACTICE CLAIMS IN ORTHOPAEDIC SURGERY: A REVIEW OF THE CURRENT MEDICAL AND LEGAL LITERATURE AND THE PUBLIC MEDIA**
Samer S.S. MAHMOUD (UNITED KINGDOM)
- 48761 CEREBRAL PALSY DOESN'T END WITH CHILDHOOD: INCIDENCE AND TYPES OF ORTHOPAEDIC SURGERIES FOR ADULT PATIENTS**
Joshua HYMAN, Chun Wai HUNG, Hiroko MATSUMOTO, Fay CALLEJO, Jodie SHEA, Justin KUNG, Alexandra KHALEEL, Brian SNYDER, Joseph DUTKOWSKY, David ROYE (UNITED STATES)

48765 WHAT ARE ORTHOPAEDIC SURGEONS DOING FOR KIDS WITH CEREBRAL PALSY? A UNITED STATES PERSPECTIVE

Joshua HYMAN, Chun Wai HUNG, Hiroko MATSUMOTO, Fay CALLEJO, Jodie SHEA, Justin KUNG, Alexandra KHALEEL, Brian SNYDER, Joseph DUTKOWSKY, David ROYE (UNITED STATES)

Research – Osteoporosis

48299 ROLE OF L-ARGININE IN TREATMENT OF OSTEOPOROSIS

Satish Chandra GOEL (INDIA)

Shoulder and Elbow – Arthroplasty

46243 HETEROTOPIC OSSIFICATION AFTER REVERSE POLARITY SHOULDER REPLACEMENT

Pratima Premchand KHINCHA, Emmet GRIFFITHS, Joideep PHADNIS, Puneet MONGA (UNITED KINGDOM)

46300 HOSPITAL LENGTH OF STAY AFTER REVERSE SHOULDER ARTHROPLASTY IS DECREASED BY PRESERVING THE SUBSCAPULARIS DURING A DELTOPECTORAL APPROACH

Alexandre LÄDERMANN (SWITZERLAND)

46601 OPTIMAL PLACEMENT OF FIXED ANGLED BASEPLATE SCREWS IN REVERSE SHOULDER ARTHROPLASTY: THE ANALYSIS OF TWENTY-TWO CADAVERIC SHOULDERS

Joonyub KIM (SOUTH KOREA)

46634 PROMISING MID-TERM OUTCOME AND FEW COMPLICATIONS AFTER ELBOW HEMIARTHROPLASTY FOR ACUTE DISTAL HUMERAL FRACTURES

Ali AL-HAMDANI, Jeppe RASMUSSEN, Anne-Kathrine SORENSEN, Janne OVESEN, Bo OLSEN (DENMARK)

46705 DELTOID MUSCLE VOLUME AFFECTS CLINICAL OUTCOME OF REVERSE TOTAL SHOULDER ARTHROPLASTY IN PATIENTS WITH CUFF TEAR ARTHROPATHY OR IRREPARABLE CUFF TEARS

Jung JAE-WOOK, Yoon JONG PIL, Seo ANNA, Kim JEONG JUN, Chung SEOK WON (SOUTH KOREA)

46799 NEUROPHYSIOLOGICAL DISORDERS OF THE SUBACROMIAL IMPINGEMENT SYNDROME

Ludmila PASHKEVICH, Inessa ILYASEVICH, Elena SOSHNIKOVA, Mohammad Taher MOHAMMADI, Olga VASKO (BELARUS)

46801 PATHOLOGICAL CHANGES OF THE SUBACROMIAL IMPINGEMENT SYNDROME

Ludmila PASHKEVICH, Mohammad Taher MOHAMMADI, Inessa ILYASEVICH, Elena SOSHNIKOVA (BELARUS)

47423 PREOPERATIVE FACTORS INFLUENCE THE RECOVERY OF RANGE OF MOTION FOLLOWING REVERSE SHOULDER ARTHROPLASTY

Alexandre LÄDERMANN¹, Philippe COLLIN²
¹(SWITZERLAND), ²(FRANCE)

47752 CEMENTED PEGGED GLENOID COMPONENTS WITH VARIABLE BACKSIDE CURVATURES

Pierre MANSAT, Florence DAUZERE, Fanny ELIA, Julie LEBON, Vadim AZOULAY, Nicolas BONNEVIALLE (FRANCE)

48060 RADIOLOGIC RESULTS OF THE 3-DIMENSIONAL TEMPLATING FOR TOTAL SHOULDER JOINT ARTHROPLASTY

Jinyoung JEONG, Kyungil KIM, Jonghyeok JEON (SOUTH KOREA)

48571 TREATMENT OF CHRONIC ANTERIOR SHOULDER DISLOCATION BY REVERSE ARTHROPLASTY

Catarina BISPO, Goncalo LAVAREDA, Sofia CARVALHO, Filipe MACHADO, Francisco GONCALVES, Mafalda BATISTA, Barbara CAMPOS (PORTUGAL)

Shoulder and Elbow – Instability

46404 ACROMIOCLAVICULAR JOINT DISLOCATION TREATED WITH BOSWORTH SCREW AND ADDITIONAL K-WIRING: RESULTS AFTER 7.8 YEARS – STILL AN ADEQUATE PROCEDURE?

Thomas TIEFENBOECK, Domenik POPP, Sandra BOESMUELLER, Stephan PAYR, Julian JOESTL, Micha KOMJATI, Harald BINDER, Mark SCHURZ, Roman OSTERMANN (AUSTRIA)

46641 A COMPARISON OF COMPUTERISED TOMOGRAPHY ARTHROGRAPHY AND MAGNETIC RESONANCE ARTHROGRAPHY IN THE ASSESSMENT OF TRAUMATIC ANTERIOR SHOULDER DISLOCATIONS

Robert JORDAN, Rajiv GOGNA, Peter WALL, Gurdip CHAHAL, Imran AHMED, Tom LAWRENCE, Chetan MODI, Steve DREW (UNITED KINGDOM)

- 47038 MANAGING TRAUMATIC ANTERIOR SHOULDER DISLOCATIONS - AN OVERVIEW OF PRACTICE AT A MAJOR TRAUMA CENTRE**
Robert JORDAN, Rajiv GOGNA, Gurdip CHAHAL, Peter WALL, Chetan MODI, Tom LAWRENCE, Stephen DREW (UNITED KINGDOM)
- 47253 ELBOW CUBITAL COMPRESSIVE NEUROPATHY: IN SITU NEUROLYSIS VERSUS ANTERIOR TRANSPOSITION – A COMPARATIVE STUDY**
Pedro Manuel SERRANO, Luis BARROS, João ESTEVES, Marta SANTOS SILVA, Alexandre PEREIRA, Miguel TRIGUEIROS, César SILVA (PORTUGAL)
- 47300 ARTHROSCOPIC REPAIR OF TYPE-V SLAP LESION AGE AS A FACTOR & A NEW CLASSIFICATION SYSTEM & AN ANCHOR ABOVE THE GLENOID MID-EQUATOR**
Amr KANDEEL (EGYPT)
- 47933 POSTERIOR-LATERAL ELBOW LUXATION IN A 3-YEAR-OLD CHILD - A RARE CASE**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Pedro BARREIRA, Luís COUTINHO, João ESTEVES, Daniel SOARES (PORTUGAL)
- 48016 COMPLICATIONS OF PROXIMAL HUMERUS FRACTURES TREATED BY THE PLATE SYSTEM WITH LOCKING SCREWS OR PHILOS**
Juan MORENO RIVELLES, Damian MITSUF MIEDES, Daniel MONTANER ALONSO, Jose Luis RODRIGO PEREZ (SPAIN)
- 48023 EVALUATION AND RESULTS OF TREATMENT OF FRACTURES OF PROXIMAL EXTREMITY OF THE HUMERUS IN PATIENTS OVER 65 YEARS WITH REVERSE PROSTHESIS**
Juan MORENO RIVELLES, Damian MITSUF MIEDES, Daniel MONTANER ALONSO, Jose Luis RODRIGO PEREZ (SPAIN)

Shoulder and Elbow – *Miscellaneous*

- 46353 RELIABILITY OF CORONAL AND SAGITTAL OBLIQUE MAGNETIC RESONANCE IMAGES DURING DIAGNOSIS OF PARTIAL-THICKNESS TO SMALL FULL-THICKNESS SUPRASPINATUS TEARS**
Joonyub KIM, Kyong-Hwan KOH, Seong Hun KIM (SOUTH KOREA)
- 46875 ANALYSIS OF FUNCTIONAL OUTCOME OF 2, 3 AND 4-PART PROXIMAL HUMERUS FRACTURES WITH PERCUTANEOUS K-WIRE FIXATION**
Rex CHANDRABOSE, Manjunath B.V. (INDIA)
- 46907 EFFECT OF REGION OF INTEREST ON QUANTITATIVE GRADING OF FATTY INFILTRATION**
Jin Woong YI, Sang Bum KIM, Jae Sin LEE (SOUTH KOREA)
- 47561 CRISSCROSS TYPE SCREW FIXATION FOR THE FRACTURES OF DISTAL HUMERUS**
Jin Soo PARK, Soo Joong CHOI, Min Ki KIM (SOUTH KOREA)
- 47765 THE ACCURACY OF PLAIN RADIOGRAPHS IN DIAGNOSING DEGENERATE ROTATOR CUFF DISEASE**
Alex CHOWDHURY, Kuen CHIN, Dimitra LEIVADIOTOU, Helen MARMERY, Philip AHRENS (UNITED KINGDOM)
- 47773 SERUM LIPID ABNORMALITIES IN DIABETIC FROZEN SHOULDER: A CASE-CONTROL STUDY**
Hyung Bin PARK, Gwark JI-YONG (SOUTH KOREA)
- 47836 THE ACCURACY OF ARTHROSCOPIC FLUID PUMP SYSTEMS IN SHOULDER SURGERY: A COMPARISON OF FIVE DIFFERENT PUMP SYSTEMS AND SETTINGS**
Mohy TAHA¹, Margaret SMITH², Gregory CUNNINGHAM¹, Allan YOUNG², Benjamin CASS²
¹(SWITZERLAND), ²(AUSTRALIA)
- 47999 LESSER TUBerosITY FRACTURE OF PROXIMAL HUMERUS - FIX IT OR NOT?**
Balachandran RAJENDIRAN (INDIA)
- 48055 FIXATION OF COMMUNUTED PROXIMAL HUMERAL FRACTURES USING PLATE AND ENDOSTEAL STRUT ALLOGRAFT**
Kyungil KIM, Jeong JINYOUNG, Jonghyeok JEON (SOUTH KOREA)
- 48056 COMPARISON OF HIGH- AND LOW-DOSE INTRA-ARTICULAR STEROID INJECTION FOR TREATMENT OF PRIMARY SHOULDER STIFFNESS: A PROSPECTIVE RANDOMISED CONTROLLED TRIAL**
Myungsup KO, Yang-Soo KIM, Hyo-Jin LEE, Gwang Young SUNG, Dong-Jin KIM, Jong-Ho KIM (SOUTH KOREA)
- 48065 PREVALENCE OF ASYMPTOMATIC ROTATOR CUFF TEARS AND RELATED FACTORS IN THE KOREAN POPULATION: IS IT REALLY ASYMPTOMATIC?**
Jonghyeok JEON, Jinyoung JEONG, Kyungil KIM (SOUTH KOREA)

- 48068 NATURAL HISTORY OF NONOPERATIVELY TREATED SYMPTOMATIC ROTATOR CUFF TEARS AND FACTORS AFFECTING THE PROGRESSION**
Yang-Soo KIM¹, Hyo-Jin LEE², Gwang Young SUNG¹, Dong-Jin KIM¹, Jong-Ho KIM¹
¹(SOUTH KOREA), ²(SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS)
- 48100 THE SCREW INTRAMEDULLARY ELASTIC NAIL FIXATION IN MID SHAFT CLAVICLE FRACTURES IN 36 PATIENTS**
Wasudeo GADEGONE, Lokhande VIJAYANAND (INDIA)
- 48217 USE OF THE SPIDER LIMB POSITIONER IN ELBOW SURGERY**
Angelos ASSIOTIS, Adam RUMIAN, Harpal UPPAL (UNITED KINGDOM)
- 48311 ISOLATED BRACHIALIS MUSCLE RUPTURE, A RARE ENTITY**
Pankaj Kumar SHARMA, Amit NARAYAN (INDIA)
- 48550 HYDRAULIC DISTENSION FOR FROZEN SHOULDER – A SIMPLE AND EFFECTIVE TECHNIQUE**
Deepak ANANDAREDDY (INDIA)
- 48683 FACTORS ASSOCIATED WITH LATERAL EPICONDYLITIS OF THE ELBOW**
Sang Don SHIM, Mincheol KAM, Hyung Bin PARK, Ji-Yong GWARK (SOUTH KOREA)
- 48716 PIGMENTED VILLODULAR SYNOVITIS OF THE SHOULDER COMPLICATED BY ROTATOR CUFF RUPTURE, ARTHROSCOPIC REPAIR AND 6 MONTHS' FOLLOW-UP**
Norma Angelica ALCANTARA (MEXICO)
- 48822 CONGENITAL PSEUDARTHROSIS OF THE CLAVICLE - A CASE REPORT IN THE ADULT AND LITERATURE REVIEW**
Manuel FERNANDES MARQUES, Luis COSTA BARROS, Bruno LOPES CORREIA, Rui CLARO (PORTUGAL)
- 48827 QUANTITATIVE FIT ANALYSIS OF A SCAPULA PLATING SYSTEM**
Johan CHARILAOU¹, Steven ROCHE¹, Roopam DEY¹, Sudesh SIVARASU¹, Frida HANSSON², Ruan VAN STADEN¹, Sithombo MAQUNGO¹
¹(SOUTH AFRICA), ²(SWEDEN)

Shoulder and Elbow – *Soft Tissue Reconstruction*

- 46673 POST-OPERATIVE NONSTEROIDAL ANTI-INFLAMMATORY DRUGS DO NOT AFFECT CLINICAL OUTCOMES OR REVISION RATES OF MINI-OPEN ROTATOR CUFF REPAIR**
Wei-An Joel LIM, Ming Han Lincoln LIOW, Andrew Hwee Chye TAN (SINGAPORE)
- 46847 BILATERAL AND SIMULTANEOUS RUPTURE OF TRICEPS TENDON IN A BODYBUILDER: CASE REPORT**
Venkata Subba Reddy ELICHERLA REDDY (INDIA)
- 47288 TENOTOMY VS. TENODISIS OF THE LONG HEAD OF THE BICEPS IN REPARABLE ROTATOR CUFF TEARS - RETROSPECTIVE STUDY OF 110 CASES**
André BARROS, Eduardo CARPINTEIRO, Sergio GONÇALVES (PORTUGAL)
- 47616 PLATELET-RICH-PLASMA AFTER ARTHROSCOPIC ROTATOR CUFF REPAIR: PRELIMINARY RESULTS OF A RCT**
Paul RUCKENSTUHL, Gerwin A. BERNHARDT, Matthias WOLF, Patrick SADOGLI, Daniela HIRZBERGER, Andreas LEITHNER, Gerald GRUBER (AUSTRIA)
- 47979 EFFECT OF RECOMBINANT HUMAN GROWTH HORMONE ON ROTATOR CUFF HEALING AFTER ARTHROSCOPIC REPAIR**
Seok Won CHUNG, Joo Han OH, Kyung-Soo OH, Jae Chul YOO, Yang Soo KIM, Jin Young PARK (SOUTH KOREA)
- 47981 A BIOMECHANICAL COMPARISON OF DIFFERENT SUTURE MATERIALS COMMONLY USED FOR ARTHROSCOPIC SHOULDER PROCEDURES**
Mohy TAHA¹, Elizabeth CLARKE², David O'BRIAIN², Margaret SMITH², Gregory CUNNINGHAM¹, Benjamin CASS², Allan YOUNG²
¹(SWITZERLAND), ²(AUSTRALIA)
- 48058 IS IT SAFE TO INJECT THE CORTICOSTEROID INTO THE GLENOHUMERAL JOINT AFTER ARTHROSCOPIC ROTATOR CUFF REPAIR?**
Yang-Soo KIM, Hyo-Jin LEE, Gwang Young SUNG, Dong-Jin KIM, Jong-Ho KIM, Myungsup KO (SOUTH KOREA)
- 48812 ARTHROSCOPICALLY-ASSISTED CORACOCALVICULAR AND ACROMIOCALVICULAR LIGAMENTS RECONSTRUCTION USING AUTOGENOUS PALMARIS LONGUS TENDON**
Sang-Jin CHEON, Yong-Geon PARK, Eom-Ji KIM (SOUTH KOREA)

Spine – Cervical Spine

- 46868 CERVICAL SPINE FRACTURE IN PATIENTS WITH DIFFUSE IDIOPATHIC SKELETAL HYPEROSTOSIS: A REPORT OF 7 CASES**
Sameda HIROAKI, Sumio IKENOUE, Kan TAKASE, Jun SHINBO, Yukio SOMEYA, Michiaki MUKAI, Manabu YAMADA, Mayasa MIMURA (JAPAN)
- 46938 SURGICAL TREATMENT FOR CERVICAL PYOGENIC SPONDYLITIS**
Atsushi GOTO, Yuichi KONDO, Katsuji SHIMIZU, Yutaka NAKAMURA, Yukihiko SHIRAI, Yusuke SASAKI, Takatoshi YAMAMOTO, Yoshiyuki OHNO, Hiromi OTUKA, Kazunari FUSHIMI, Haruhiko AKIYAMA, Kei MIYAMOTO (JAPAN)
- 47070 HYBRID SURGERY COMBINING ONE LEVEL INTERVERTEBRAL DISC TRANSPLANTATION AND ONE LEVEL FUSION FOR THE TREATMENT OF TWO-LEVEL CERVICAL DEGENERATIVE DISC DISEASES**
Dike RUAN, Qing HE, Wei JI (CHINA)
- 47146 WHAT IS THE FACTOR AFFECTING THE EFFICACY OF CERVICAL SELECTIVE NERVE ROOT BLOCK?**
Sung Kyu KIM, So Hyun MOON (SOUTH KOREA)
- 47547 ASSOCIATION BETWEEN DROOPY SHOULDER AND DEGENERATIVE CHANGES IN THE CERVICAL SPINE**
Kazushi TAKAYAMA, Atsushi MASUDA, Teruo KITA, Hideki SAKANAKA, Yoshiki YAMANO, Hiroaki NAKAMURA (JAPAN)
- 48061 CERVICAL EPIDURAL INJECTIONS FOR RADICULOPATHY IN UPPER LIMB PAIN**
Shashank JAIN, Sohael KHAN, Pradeep SINGH, Shraddha SINGHANIA, Shantanu GUPTA, Vaibhav KUMAR, Pooja SINGHANIA, Suvarn GUPTA, Akhita SINGHANIA, Saherish KHAN (INDIA)

Spine – Congenital

- 46717 AGENESIS OF THE POSTERIOR ARCH OF THE ATLAS WITH CONCOMITANT FUSION TO THE AXIS: A RELOOK INTO THE CURRARINO CLASSIFICATION**
Wenxian PNG (SINGAPORE)

Spine – Deformities

- 46211 THE EFFECT OF ABDOMINAL AND SPINAL MUSCLES FATIGUE IN SPINAL POSTURES**
Mohammed ELMAJEE, Mahmoud AL-HINAI, Frances ARNALL, Irfan SIDDIQUE (UNITED KINGDOM)
- 46536 COMPLICATIONS ENCOUNTERED IN SURGICAL MANAGEMENT OF ADULT SPINAL DEFORMITIES - PREVENTION AND MANAGEMENT - A RETROSPECTIVE STUDY IN 193 PATIENTS**
Hitesh MODI, Shakti GOEL, Bharat DAVE, Yatin DESAI (INDIA)
- 47921 FUNCTIONAL OUTCOME OF OPERATIVE MANAGEMENT OF ADULT DEGENERATIVE SCOLIOSIS WITH NEUROVASCULAR SYMPTOMS: A STUDY OF 24 PATIENTS**
Sahil SANGHAVI (INDIA)
- 48284 TO DEVELOP COMPUTER-ASSISTED PATIENT SPECIFIC PEDICLE SCREW GUIDES FOR SPINAL DEFORMITIES WITH THE HELP OF VOLUMETRIC CT SCAN AND 3D RECONSTRUCTION MODELS AND COMPARE WITH FREE HAND TECHNIQUE**
Bhavuk GARG (INDIA)

Spine – Degenerative

- 46790 MONOPLÉGIA DUE TO BRAIN LESIONS MIMICKING SPINAL OR PERIPHERAL LESIONS**
Teruo KITA, Kszushi TAKAYAMA, Nakamura HIROAKI, Fumiaki KANEMATSU, Toshiya YASUNAMI, Hideki SAKANAKA, Yoshiki YAMANO (JAPAN)
- 47003 RESULTS OF POSTERIOR LUMBAR INTERBODY FUSION IN POST-LAMINECTOMY PAIN SYNDROME**
Yuanta LI, Kuo-Hua CHAO (TAIWAN)
- 47227 COMORBID PSYCHIATRIC DIAGNOSES ARE ASSOCIATED WITH POOR OUTCOMES OF ADULT CERVICAL SPINE SURGERY AT 2-YEAR FOLLOW-UP**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, Joshua LAVIAN, Peter PASSIAS, George BEYER, Frank SEGRETO, Greg POORMAN, Denis CHERKALIN, Barrett TORRE, Dennis VASQUEZ-MONTES, Ashish PATEL, Daniel CUKOR, Daniel MURRAY, William URBAN (UNITED STATES)

- 47228 COMORBID PSYCHIATRIC DIAGNOSES ARE ASSOCIATED WITH POOR OUTCOMES OF ADULT SPINAL DEFORMITY SURGERY AT 2-YEAR FOLLOW-UP**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, Joshua LAVIAN, George BEYER, Frank SEGRETO, Lee BLOOM, Dennis VASQUEZ-MONTES, Louis DAY, Douglas HOLLERN, Samantha HORN, Ashish PATEL, Daniel CUKOR, Peter PASSIAS, William URBAN (UNITED STATES)
- 47526 HEPATITIS C: DOES IT INCREASE THE RISK OF COMPLICATIONS AFTER CERVICAL RADICULOPATHY OR MYELOPATHY SURGERY?**
Qais NAZIRI, Carl PAULINO, Joshua LAVIAN, Daniel MURRAY, Daniel GEWOLB, Frank SEGRETO, Shahla POWELL, James MESSINA, Lee BLOOM, Steven BUREKHOVICH, George BEYER, Westley HAYES, Denis CHERKALIN, Hiroyuki YOSHIHARA, Bassel DIEBO (UNITED STATES)
- 48129 IS THERE ANY RELATION BETWEEN SPINAL DEGENERATIVE DISEASES AND MYOFASCIAL PAIN DYSFUNCTION SYNDROME?**
Arghavan TONKABONI, Babak MIRZASHAHI, Roya DOOSTI (IRAN)
- 48815 MODIFICATION OF LUMBAR DISC HERNIATION BY IL-1RA - A COMPARATIVE EXPERIMENTAL IN VITRO STUDY**
Wolfram TESKE, Jasper BOEHM, Sonja ZIRKE, Christoph VON SCHULZE PELLENGAHR, Veronika GERSTEN, Matthias LAHNER (GERMANY)
- 48820 CLINICAL AND RADIOLOGICAL EVALUATION OF TLIF FOR DEGENERATIVE DISC DISEASES USING A NOVEL MODULAR CAGE**
Mohamed ELMEKATY¹, Emad EL MEHY², Yohan ROBINSON¹
¹(SWEDEN), ²(EGYPT)

Spine – Infections

- 46218 SPINAL MENINGIOMAS: A DIAGNOSTIC CHALLENGE**
Sohael KHAN, Shraddha SINGHANIA, Pradeep SINGH, Saherish KHAN, Suvarn GUPTA, Taosef SYED, Shashank JAIN, Akhita SINGHANIA (INDIA)
- 47475 VERTEBRAL OSTEOMYELITIS: A COMPARISON OF OUTCOMES IN PATIENTS WITH EARLY VERSUS DELAYED SURGICAL TREATMENT**
Qais NAZIRI, Carl PAULINO, Frank SEGRETO, George BEYER, Joshua LAVIAN, Daniel MURRAY, Harleen KAUR, Patrick MIXA, Denis CHERKALIN, Kwaku OPARE-SEM, Lee BLOOM, Louis DAY, William URBAN, Peter PASSIAS, Bassel DIEBO (UNITED STATES)
- 47617 TUBERCULOUS SPONDYLODISCITIS SURGICAL TREATMENT: A CASE REPORT**
Amorese VERONICA, Fabio MILIA, Emanuele CIURLIA, Gianfilippo CAGGIARI, Marco CORDA, Andrea DONATO, Carlo DORIA (ITALY)
- 47736 THORACIC TUBERCULOUS SPONDYLITIS: POSTERIOR APPROACH SINGLE STAGE DEBRIDEMENT, FIXATION AND LOCAL GRAFT**
Elsayed SAID, Ahmed ADDOSOOKI, Hamdy TAMMAM (EGYPT)
- 47929 TWO STAGED LESS INVASIVE SURGERY FOR CHRONIC PYOGENIC DISCITIS FOLLOWING STAND-ALONE PLIF USING INTERVERTEBRAL CARBON CAGE - A CASE REPORT**
Yuichi KONDO, Kei MIYAMOTO, Katsuji SHIMIZU, Atsushi GOTO (JAPAN)
- 48069 CONCURRENT PULMONARY, INTRACRANIAL, INTRAMEDULLARY TUBERCULOMA - AND THEIR RESPONSE TO CONSERVATIVE MANAGEMENT**
Sohael KHAN, Shraddha SINGHANIA, Pradeep SINGH, Saherish KHAN, Akhita SINGHANIA, Shantanu GUPTA, Shashank JAIN, Taosef SYED, Vaibhav KUMAR (INDIA)
- 48261 SEPTIC ARTHRITIS OF LUMBAR FACET JOINT PRESENTING AS SPONTANEOUS BACTERIAL PERITONITIS: A RARE CASE REQUIRING SURGICAL INTERVENTION**
Bruno CORREIA, Luís BARROS, José FIGUEIREDO, Ricardo RODRIGUES-PINTO (PORTUGAL)
- 48508 PERCUTANEOUS NEGATIVE SUCTION DRAINAGE OF LARGE TUBERCULAR PSOAS ABSCESS**
Bhupendra K.S. SANJAY, Gaurav SANJAY, Surbhi KAPARWAN (INDIA)

Spine – Lumbar Spine

- 46285 INTRADURAL EXTRAMEDULLARY TUMOUR OF SPINAL CORD - CASE SERIES**
Pashupati CHAUDHARY (NEPAL)

- 46606 MAGNETIC RESONANCE IMAGING AND ELECTRODIAGNOSTIC STUDIES IN CHRONIC LOW BACKACHE PATIENTS: A CORRELATION STUDY**
Roop SINGH (INDIA)
- 46728 LONG-TERM OUTCOMES OF POSTERIOR LUMBAR INTERBODY FUSION USING THREADED CYLINDRICAL CAGES AND PEDICLE SCREWS**
Hiromichi MISAWA, Takahiro TSUTSUMIMOTO, Mutsuki YUI, Hidemi KOSAKU, Ryo MUNAKATA, Terue HATAKENAKA, Hiroshi OHTA (JAPAN)
- 46957 REVISION OF NON-UNION FOLLOWING POSTERIOR OR TRANSFORAMINAL LUMBAR INTERBODY FUSION WITH A LATERAL LUMBAR INTERBODY FUSION: A CASE SERIES**
Yosuke MIYAMOTO, Keisuke NAKANO, Yutaka NISHIJIMA (JAPAN)
- 47091 SURGICAL TREATMENT OF HUGE LUMBAR DISC HERNIATION**
Sho TOMOZAWA (JAPAN)
- 47434 RELATIONSHIP OF INTRAOPERATIVE ENDPLATE FRACTURE, CAGE SUBSIDENCE AND CLINICAL OUTCOMES IN LATERAL LUMBAR INTERBODY FUSION (LLIF)**
Kazuyoshi YANAGISAWA (JAPAN)
- 47857 SPONDYLOLISTHESIS WITH SURGICAL TREATMENT: MULTILEVEL STABILISATION - PROSPECTIVE COMPARATIVE STUDY**
Oleg DULUB (BELARUS)
- 47901 EVALUATION OF LUMBAR DISC SURGERIES**
Varun SHAH, Anirudha CHANDAK (INDIA)
- 48081 INTERMEDIATE SCREW IN THORACOLUMBAR FRACTURE FIXATION - DOES IT MAINTAIN THE CORRECTION?**
Abduljabbar ALHAMMOUD, Osama ALDAHAMSHEH, Mahmood ARBASH, Ashik PARAMBATHKANDI, Abdul Moen BACO (QATAR)
- 48142 SURGICAL INTERVENTION FOR CAUDA EQUINA IN THE SECOND AND THIRD TRIMESTERS OF PREGNANCY: A CASE SERIES**
Christopher KLECK, Nicole LOOK, Evalina BURGER-VAN DER WALT, Francisco RODRIGUEZ-FONTAN (UNITED STATES)
- 48374 COMPARISON BETWEEN MOSS-MIAMI PEDICLE SCREW VS. HARTSHILL RECTANGLE INSTRUMENTATION FOR THE TREATMENT OF LUMBAR SPONDYLOLISTHESIS - A PROSPECTIVE STUDY OF 40 CASES**
Tarun KUKREJA (INDIA)

Spine – Minimally Invasive Surgery

- 46533 WHICH IS BETTER IN LABOURERS? A COMPARISON BETWEEN OPEN AND MICRO ENDOSCOPIC DISCECTOMY**
Hitesh MODI, Shakti GOEL, Tushar KUNDER, Rameez MUSA, Neel BHAVSAR, Pankaj PATEL (INDIA)
- 46607 IS FLUOROSCOPY RELIABLE IN PERCUTANEOUS MIS FIXATION TECHNIQUE? EVALUATION OF PERFORATION INDICES OF 100 PERCUTANEOUS PEDICLE SCREWS**
Ankit PATEL, Vishal KUNDNANI (INDIA)
- 46609 COMPARISON OF CLINICO-RADIOLOGICAL OUTCOMES OF NAVIGATION GUIDED MIS TLIF VERSUS NON-NAVIGATED FLUOROSCOPY ASSISTED MIS TLIF**
Ankit PATEL, Vishal KUNDNANI (INDIA)
- 46650 TRANSFORAMINAL PERCUTANEOUS ENDOSCOPIC DISCECTOMY IN LUMBAR DISC HERNIATIONS**
Tarun KUKREJA (INDIA)
- 46837 EVALUATION OF THE REVISION SPINE SURGERIES PERFORMED BY ENDOSCOPIC PROCEDURES**
Yohei YUZAWA, Hirohiko INANAMI (JAPAN)
- 46900 SIGNIFICANT REDUCTION OF FLUOROSCOPY REPETITION WITH LUMBAR LOCALIZATION SYSTEM IN MINIMALLY INVASIVE SPINE SURGERY: A PROSPECTIVE STUDY**
Fan GUOXIN, Xiaofei GUAN, Hailong ZHANG, Xin GU, Yunshan FAN, Shisheng HE (CHINA)
- 47615 SURGICAL PALLIATIVE CARE FOR CANCER PATIENTS WITH VERTEBRAL METASTASES**
Amorese VERONICA, Fabio MILIA, Emanuele CIURLIA, Gianfilippo CAGGIARI, Marco CORDA, Andrea DONATO, Carlo DORIA (ITALY)

Spine – Paediatric

- 47139 SURGICAL SITE INFECTION PREVENTION PROTOCOL FOR PAEDIATRIC SPINAL DEFORMITY SURGERY: DOES IT MAKE A DIFFERENCE?**
R. Justin MISTOVICH, Connie POE-KOCHERT, Jochen SON-HING, Christina HARDESTY, George THOMPSON (UNITED STATES)
- 47257 DISSEMINATED INTRAVASCULAR COAGULOPATHY IN PAEDIATRIC SCOLIOSIS SURGERY: A SYSTEMATIC REVIEW**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, Patrick MIXA, Frank SEGRETO, Lee BLOOM, Karen PALTOO, James MESSINA, Samantha HORN, Greg POORMAN, Ashish PATEL, Virginie LAFAGE, William URBAN, Peter PASSIAS (UNITED STATES)
- 47262 DYNAMIC, THREE-DIMENSION ANALYSIS OF GAIT PATTERNS BEFORE AND AFTER ADOLESCENT IDIOPATHIC SCOLIOSIS (AIS) SURGERY**
Qais NAZIRI¹, Carl PAULINO¹, Bassel DIEBO¹, Jeffrey VARGHESE¹, Frank SEGRETO¹, Harleen KAUR¹, Westley HAYES¹, Renaud LAFAGE¹, Ziad BAKOUNY², Ellen GODWIN¹, William URBAN¹, Frank SCHWAB¹, Ashish PATEL¹, Virginie LAFAGE¹
¹(UNITED STATES), ²(LEBANON)
- 47264 SHOULD DECISION MAKING FOR LOWER INSTRUMENTED VERTEBRA GO BEYOND TRADITIONAL AIS CLASSIFICATION? A DYNAMIC 3D GAIT ASSESSMENT OF ADOLESCENT IDIOPATHIC SCOLIOSIS**
Qais NAZIRI, Carl PAULINO (UNITED STATES)
- 47432 EARLY DEEP SURGICAL SITE INFECTION FOLLOWING 740 PRIMARY PAEDIATRIC SCOLIOSIS PROCEDURES: A MULTIVARIATE ANALYSIS OF RISK FACTORS**
R. Justin MISTOVICH, Jerry DU, Connie POE-KOCHERT, Jochen SON-HING, Christina HARDESTY, George THOMPSON (UNITED STATES)
- 47488 ADOLESCENT IDIOPATHIC SCOLIOSIS CARE IN AN UNDERSERVED INNER-CITY POPULATION: SCREENING, BRACING, PATIENTS' AND PARENTS' REPORTED OUTCOMES**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, Frank SEGRETO, James MESSINA, Karen PALTOO, Harleen KAUR, Lee BLOOM, Louis DAY, Patrick MIXA, Steven BUREKHOVICH, Joshua LAVIAN, George BEYER (UNITED STATES)
- 47498 PREVALENCE, LOCATION, TYPE, AND PREDICTORS OF NECK AND BACK PAIN IN AN UNDERSERVED POPULATION WITH ADOLESCENT IDIOPATHIC SCOLIOSIS**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, Louis DAY, Frank SEGRETO, Lee BLOOM, Westley HAYES, Mikhail TRETIKOV, Patrick MIXA, James MESSINA, Elian SHEPHERD, Ashish PATEL, Daniel CUKOR, Peter PASSIAS, William URBAN (UNITED STATES)
- 47511 TWO DOUBLE ROD SYSTEMS WITH APICAL CONTROL IN EOS; MAGEC GROWTH ENGINE (MCGR) VERSUS INTERVAL DISTRACTION: EARLY 3D CORRECTION AND SPINAL GROWTH**
Simon Toftgaard SKOV¹, Sebastiaan P.J. WIJDICKS², Moyo C. KRUYT², Haisheng LI¹, René M. CASTELEIN², Jan H.D. RÖLFING¹, Ebbe Stender HANSEN¹, Kristian HØY¹, Peter HELMIG¹, Cody BÜNGER¹
¹(DENMARK), ²(NETHERLANDS)
- 47515 RELATIONSHIP BETWEEN SPINAL CURVATURE, PHYSICAL STATE, AND MENTAL STATUS IN AN UNDERSERVED POPULATION WITH ADOLESCENT IDIOPATHIC SCOLIOSIS**
Qais NAZIRI, Carl PAULINO, Bassel DIEBO, James MESSINA, Harleen KAUR, Frank SEGRETO, Lee BLOOM, Karen PALTOO, Westley HAYES, Elian SHEPHERD, Ashish PATEL, William URBAN, Peter PASSIAS (UNITED STATES)
- 47520 NON-CONTACT SPORTS PARTICIPATION IN ADOLESCENT IDIOPATHIC SCOLIOSIS: EFFECTS ON PARENT AND PATIENT REPORTED OUTCOMES**
Qais NAZIRI, Carl PAULINO, Frank SEGRETO, James MESSINA, James DORAN, Alex AYLYAROV, Patrick MIXA, Kwaku OPARE-SEM, Harleen KAUR, Louis DAY, Barrett TORRE, Douglas HOLLERN, Karen PALTOO, William URBAN, Bassel DIEBO (UNITED STATES)
- 48446 POSTERIOR HEMIVERTEBRA RESECTION IN CONGENITAL SCOLIOSIS - A CASE REPORT IN A 4-YEAR-OLD CHILD**
Bruno CORREIA, António LOPES, João CARVALHO, Armando CAMPOS, António OLIVEIRA (PORTUGAL)

Spine – Spinal Cord Injuries

- 46286 CASES OF SUDDEN DETERIORATION OF CERVICAL SPINAL CORD**
Ogoshi TOMOFUMI (JAPAN)

- 47608 CAN IMAGING PARAMETERS BE USED TO PREDICT INITIAL NEUROLOGICAL DEFICIT AND SUBSEQUENT RECOVERY IN ACUTE SPINAL CORD INJURY? A PROSPECTIVE ANALYSIS**
Roop SINGH (INDIA)
- 47797 IMAGING FACTORS IN MRI FOR PREDICTING RESPIRATORY DISTRESS IN CERVICAL SPINAL CORD INJURY - A RETROSPECTIVE ANALYSIS**
G.N. KHARE, Sanjay YADAV, Saurabh SINGH, Ramvilas NAG, Mukund M. OJHA, Rupesh B. JUNG, Alok K. RAI (INDIA)
- 47855 SPINAL CORD PRIMARY AND SECONDARY DISTANT DISORDERS: PECULIARITIES OF THE DIAGNOSIS AND THE TREATMENT - PROSPECTIVE OBSERVATIONAL STUDY**
Oleg DULUB, Alexander BELETSKY, Inessa ILIASEVICH (BELARUS)

Spine – Surgical Techniques

- 46277 INCIDENCE OF CRANIAL FACET JOINT VIOLATION IN OPEN VERSUS PERCUTANEOUS PEDICLE SCREW PLACEMENT IN SINGLE LEVEL LUMBAR FUSION - ANALYSIS OF RISK FACTORS**
Sathik Babu M.B., Saumyajit BASU (INDIA)
- 46935 STRAP STABILISATION FOR PREVENTION OF PROXIMAL JUNCTIONAL KYPHOSIS IN POSTERIOR SPINAL FUSION**
Vikas PATEL, Francisco RODRIGUEZ FONTAN, Bradley REEVES, David OU-YANG, David CALABRESE, Reed AYERS, Andriy NOSHCENKO, Christopher KLECK, Christopher CAIN, Evalina BURGER-VAN DER WALT (UNITED STATES)

Spine – Trauma

- 46265 ANALYSIS OF CEMENT LEAKAGE IN 140 CONSECUTIVE PATIENTS OF PERCUTANEOUS VERTEBROPLASTY (VTP) FOR OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES (VCF) BY A SINGLE SURGEON IN A SINGLE CENTRE – DOES SURGEON EXPERIENCE PLAY A ROLE?**
Sathik Babu M.B., Saumyajit BASU (INDIA)
- 46887 UNILATERAL FACET LUMBAR DISLOCATION - A CASE REPORT**
Amine TOUHAMI, Mourad HAMIDANI (ALGERIA)
- 47145 THE VALIDITY OF THE THORACOLUMBAR INJURY CLASSIFICATION SYSTEM IN THORACOLUMBAR SPINE INJURIES**
Sung Kyu KIM, So Hyun MOON (SOUTH KOREA)
- 47335 NEAR TOTAL CORPECTOMY FROM A POSTERIOR APPROACH FOR A4 COMPLETE BURST FRACTURES: SERIES OF EIGHT CASES (8), FROM A LEVEL 1 TRAUMA CENTRE IN NEW DELHI**
Kamran FAROOQUE, Vijay SHARMA (INDIA)
- 47564 CLINICAL & RADIOLOGICAL RESULTS OF KYPHOPLASTY WITHOUT BALLOONING IN OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES**
Ki Young LEE, Jae Sung AHN (SOUTH KOREA)
- 48391 PEDICLE SCREW INSTRUMENTATION IN UNSTABLE THORACOLUMBAR SPINAL INJURIES - A PROSPECTIVE STUDY OF 30 CASES**
Tarun KUKREJA (INDIA)
- 48495 THE MAJOR TRAUMA EFFECT ON ELECTIVE SPINAL SERVICES ACROSS ENGLAND**
Robin JONES, Nimesh PATEL, Tim BRIGGS, Michael HUTTON (UNITED KINGDOM)
- 48833 SILVERBACK - A DEMOGRAPHIC STUDY OF SPINAL COLUMN INJURIES IN ELDERLY MAJOR TRAUMA PATIENTS AT A MAJOR TRAUMA CENTRE**
Angus FONG, Michael PETRIE, James TOMLINSON (UNITED KINGDOM)

Trauma – Foot and Ankle

- 47577 THE VALUATION OF STRUCTURE OF ANKLE JOINT DURING THE TREATMENT OF OLD FRACTURES AND SUBLUXATIONS IN ANKLE JOINT**
Serhio VARZAR (UKRAINE)
- 48220 THE FRACTURES OF TALUS (ABOUT 16 CASES)**
Mohamed RAFAI, Omar QAHTANE, Charaf Eddine ELKASSIMI, Sidi ELHACEN, Abderrahim RAFAOUI, Mohamed RAHMI, Abdelhak GARCH (MOROCCO)

Trauma – Hip

- 47760 **THE IMPACT OF A DEDICATED ORTHOGERIATRIC CONSULTANT ON THE ACUTE POST-OPERATIVE CARE OF HIP FRACTURE PATIENTS**
Alex CHOWDHURY, Swagatesh BASTIA, Paulius BIRGERIS, Osman KHAN (UNITED KINGDOM)
- 47775 **TREATMENT OF PATIENTS WITH VERTEBRAL FRACTURES OF THE FEMUR**
Nurlan BATPENOV, Kuanysh OSPANOV, Yergali NABIYEV, Birzhan DOSMAILOV, Alexander STEPANOV (KAZAKHSTAN)
- 48678 **ROLE OF PRIMARY VALGUS OSTEOTOMY IN FRACTURED NECK OF FEMUR**
Anchal Navneet MISHRA, Sanjiv GAUR, Rahul VERMA (INDIA)

Trauma – Instability

- 48094 **THE TRANS-TRICIPITAL APPROACH FOR FRACTURES OF THE DISTAL HUMERUS: A REPORT OF 60 CASES**
Nadhir MERAGHNI, Mohamed KIHAL, Riad BENKAIDALI, Abdelrezak CHOUITI, Zoubir KARA (ALGERIA)

Trauma – Lower Extremity

- 48622 **COMPUTERISED ADAPTIVE TESTING FOR PATIENT REPORTING OUTCOMES IN ANKLE FRACTURE SURGERY**
Elizabeth GAUSDEN, Ashley LEVACK, Benedict NWACHUKWU, Danielle SIN, David WELLMAN, Dean LORICH (UNITED STATES)

Trauma – Lower Limb

- 46280 **THE JUDET QUADRICEPSPLASTY FOR ELDERLY TRAUMATIC KNEE EXTENSION CONTRACTURE: A CASE REPORT AND SYSTEMATIC REVIEW OF THE LITERATURE**
Benjamin DING (SINGAPORE)
- 46324 **TREATING INTRA-ARTICULAR DISTAL FEMUR FRACTURES WITH SIGN NAIL**
Faseeh SHAHAB¹, S. SHAHABUDDIN¹, Zirkle LEWIS G.²
¹(PAKISTAN), ²(UNITED STATES)
- 46415 **LCP VERSUS LISS PLATES IN DISTAL FEMUR FRACTURES**
Tamer Farouk Hussein EL SAID, Bilal EL YAFAWY (UNITED ARAB EMIRATES)
- 46430 **TREATMENT OF SCHATZKER TYPE V AND VI PROXIMAL TIBIAL FRACTURES USING DUAL PLATE FIXATION BY DUAL INCISION**
Maharaj Sharan GUPTA (INDIA)
- 46450 **IS COMPUTED TOMOGRAPHY OF BICONDYLAR TIBIAL PLATEAU FRACTURES MORE INTERPRETABLE AFTER BRIDGING EXTERNAL FIXATION THAN BEFORE FIXATION?**
Oog Jin SHON, Kang-Il KIM (SOUTH KOREA)
- 46468 **NON-SIMULTANEOUS BILATERAL FRAGILITY HIP FRACTURES IN AN ELDERLY SINGAPORE POPULATION**
Bing Howe LEE, Ernest KWEK (SINGAPORE)
- 46501 **THE IMPACT OF ACUTE COMPARTMENT SYNDROME ON THE OUTCOME OF TIBIA PLATEAU FRACTURE**
Amr ABDELGAWAD, Ahmed THABET-HAGAG, Adam ADLER, Joshua SIMSON, Chris GERZINA (UNITED STATES)
- 46583 **TIBIAL TUBEROSITY AVULSION FRACTURES WITH INTRA-ARTICULAR EXTENSION (TYPE III) – AN UNUSUAL ADOLESCENT INJURY**
Syed Suhaib JAMEEL, Sandeep SHEWALE, Kalana RATHNAYAKE (UNITED KINGDOM)
- 46591 **THE DIFFERENCES BETWEEN DHS WITH TROCHANTERIC STABILISING PLATE AND PROXIMAL FEMORAL NAILING IN UNSTABLE TROCHANTERIC FRACTURES**
Alaa El-Din EL-ZOHEIRY (EGYPT)
- 46611 **MIGRATION OF BROKEN K-WIRE INTO POPLITEAL FOSSA: A CASE REPORT**
Anubhav MALHOTRA, Archit LATAWA, Bhardwaj SUSHMA (INDIA)
- 46617 **CERCLAGE WIRING FIXATION WITH LOCKING PLATES FOR DISTAL FEMORAL FRACTURE: IS IT APPROPRIATE?**
Suchyun KWEON, Sunghyun LEE, Sunghyun NO, Jinsung PARK (SOUTH KOREA)

- 46618 RADIOLOGIC ASSESSMENT OF POSTOPERATIVE STABILITY IN UNSTABLE INTERTROCHANTERIC FRACTURE USING LATERAL RADIOGRAPH**
Suchyun KWEON, Sunghyun NOH, Sunghyun LEE, Sangsu HAN, Jinsung PARK (SOUTH KOREA)
- 46629 FUNCTIONAL RESULTS AFTER TREATMENT OF CENTRAL FRACTURE DISLOCATIONS BY A COMBINATION OF LATERAL AND LONGITUDINAL TRACTION**
Arun Kumar PANDEY, Saurabh AGRAWAL (INDIA)
- 46643 A RETROSPECTIVE COMPARISON OF TOTAL HIP REPLACEMENT AND CEMENTED HEMIARTHROPLASTY IN THE MANAGEMENT OF ELDERLY PATIENTS WITH INTRACAPSULAR HIP FRACTURES**
Robert JORDAN, Gurdip CHAHAL, Peter WALL, Nicholas SMITH, Shahbaz MALIK, Jayne WARD, Jonathan YOUNG (UNITED KINGDOM)
- 46657 PREOPERATIVE MECHANICAL PROPHYLAXIS IN ELDERLY PATIENTS WITH HIP FRACTURE: ADDITIONAL EFFECTIVENESS IN PREVENTING POSTOPERATIVE VENOUS THROMBOEMBOLISM**
Je-Hyun YOO, Kwang-Jun OH, Ji-Hyo HWANG (SOUTH KOREA)
- 46680 MECHANICAL COMPARATIVE ANALYSIS OF THREE DIFFERENT IM NAILS FOR FIXATION OF BASAL NECK FRACTURE-TYPE TROCHANTERIC FRACTURES**
Je-Hyun YOO, Ji-Hyo HWANG, Sang-Min KIM, Seung-Beom HAN (SOUTH KOREA)
- 46689 RETROSPECTIVE COMPARISON BETWEEN SURGICAL OUTCOME OF INTERNAL FIXATION FOR FEMORAL SHAFT FRACTURES - EXPANDABLE NAILS VS. INTERLOCKING NAILS**
Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Dibya Singha DAS, Saswat SAMANT, Anmol SHIV (INDIA)
- 46695 LATERAL LOCKED PLATING FOR DISTAL FEMUR FRACTURES FROM LOW-ENERGY TRAUMA: WHAT MAKES A DIFFERENCE IN HEALING?**
Sang-Min KIM, Seung-Beom HAN, Kwang-Jun OH, Ji-Hyo HWANG, Kyu-Tae HWANG, Hyung-Keun SONG, Je-Hyun YOO (SOUTH KOREA)
- 46697 FACTORS ASSOCIATED WITH INCREASED HEALING TIME IN COMPLETE FEMORAL FRACTURES AFTER LONG-TERM BISPHOSPHONATE THERAPY**
Sang-Min KIM, Seung-Jae LIM, Seung-Beom HAN, Kwang-Jun OH, Je-Hyun YOO (SOUTH KOREA)
- 46703 FUNCTIONAL OUTCOMES AND INCIDENCES OF OSTEOARTHRITIS IN OPERATED CASES OF TIBIA PLATEAU FRACTURES**
Saranjeet Singh JAGDEV, Subodh PATHAK (INDIA)
- 46713 FACTORS AFFECTING FRACTURE LOCATION IN ATYPICAL FEMORAL FRACTURES: A CROSS-SECTIONAL STUDY WITH 147 PATIENTS**
Ji Wan KIM, Jung Jae KIM, Oog-Jin SHON, Hyoung Keun OH, Ki Chul PARK, Chang-Wug OH (SOUTH KOREA)
- 46726 TIMELY EVALUATION - SURGICAL MANAGEMENT OF NECK OF FEMUR FRACTURES - IN A DISTRICT HOSPITAL IN EAST ENGLAND**
Azeem THAHIR, Sunny PARIKH, Christine SCARSBROOK (UNITED KINGDOM)
- 46740 COMPARATIVE STUDY OF EXPERT TIBIAL NAILING AND MINIMALLY INVASIVE PERCUTANEOUS PLATING IN THE TREATMENT OF DISTAL THIRD TIBIAL FRACTURES**
Suraj Verma BUDDHARAJU (INDIA)
- 46741 COMPARISON OF MINIPLATE AND K-WIRE IN TREATMENT OF METACARPAL AND PHALANGEAL FRACTURES IN DAVANGERE URBAN POPULATION**
Suraj Verma BUDDHARAJU (INDIA)
- 46748 THE MANAGEMENT OF SINSHEIMER TYPE IIB AND TYPE IIIA SUBTROCHANTERIC FRACTURES WITH PROXIMAL FEMORAL NAIL (PFN) / LOCKING COMPRESSION PLATE – PROXIMAL FEMUR (LCP-PF) - A COMPARATIVE STUDY**
Ameen AHAMED (INDIA)
- 46750 A COMPARATIVE STUDY OF RETROGRADE INTRAMEDULLARY NAILING AND LOCKING COMPRESSION PLATE FOR DISTAL FEMUR FRACTURES**
Ameen AHAMED (INDIA)
- 46784 AUGMENTATION PLATING FOR ASEPTIC FEMORAL NON-UNIONS WITH NAIL IN-SITU**
Jagandeep VIRK, Sandeep GUPTA, Sudhir Kumar GARG (INDIA)
- 46806 FEMORAL NECK FRACTURES IN ADULTS: WHERE WE LAND? A CASE PRESENTATION**
Ramchander SIWACH (INDIA)
- 46845 A MODIFIED DHS IN UNSTABLE INTERTROCHANTERIC FRACTURE: PROSPECTIVE AND RETROSPECTIVE STUDY**
Praveen Duraisamy DURAISAMY (INDIA)

- 46849 TIP APEX DISTANCE - IS IT ENOUGH TO PREDICT IMPLANT FAILURE IN TROCHANTERIC FRACTURES?**
Biswajit SAHU, Alok PRUSTY, Barsha TUDU (INDIA)
- 46850 SCREW PROXIMITY PLAYS AN IMPORTANT ROLE ON THE STABILITY OF TRANSVERSE PATELLAR FRACTURE FIXED WITH CANNULATED SCREW AND CABLE**
Yennien CHEN, Chih-Wei CHANG, Chih-Han CHANG, Chun-Ting LI, Yao-Te PENG (TAIWAN)
- 46883 METAEPIPHYSEAL PROXIMAL TIBIA FRACTURES: DOUBLE PLATE FIXATION**
Rocco ERASMO, Luigi GUERRA, Federico VISCI, Domenico MARINELLI (ITALY)
- 46897 MIPPO IN DISTAL TIBIA FRACTURES: RESULTS IN 99 CASES**
Alexandre SITNIK, Alexander BELETSKY, Aleh KORZUN (BELARUS)
- 46959 DISTALLY BASED SURAL FLAP IN THE TREATMENT OF COMPLICATED TIBIA FRACTURES WITH SOFT-TISSUE DEFECTS**
Alexandre SITNIK, Aleksander BELEYSKY, Ina NEVDAKH, Alexander SUKHAREV (BELARUS)
- 47071 ANTEROMEDIAL STABILITY OF INTERTROCHANTERIC HIP FRACTURES**
Tadashi KATAYAMA (JAPAN)
- 47078 THE INCIDENCE OF VITAMIN D DEFICIENCY IN PATIENTS WITH A NON-UNION OF A TIBIA FRACTURE**
Mathias MOSFELDT¹, Rhoma ISSADIG², Michael HELD², Maritz LAUBSCHER²
¹(SWEDEN), ²(SOUTH AFRICA)
- 47099 PERIPROSTHETIC FRACTURES AFTER TOTAL KNEE ARTHROPLASTY**
Katsuyuki KONISHI, Tuyoshi NAKAI (JAPAN)
- 47107 COMPLETE REDUCTION FOR PILON FRACTURE CAN MAKE A COMPLETE FAILURE**
Dong Gun SHIM, Kwang-Bok LEE (SOUTH KOREA)
- 47172 DISTAL FEMORAL JUXTA ARTICULAR BONE LOSS TREATED BY BONE TRANSPORT - A RETROSPECTIVE STUDY**
Cherry Cheriyan KOVOOR, Jibin GOPI (INDIA)
- 47188 RESULTS AND COMPLICATIONS AFTER ANKLE FRACTURE IN ELDERLY PATIENTS**
Mónica FERNÁNDEZ ÁLVAREZ, Sergio GARCIA GRANJA, Laura ALONSO VIANA, Maria Dolores PEREZ AGUILAR, Maria Asunción PASCUAL CARRA, Jesús HERNANDEZ ELENA (SPAIN)
- 47190 BILATERAL STRESS FRACTURES OF THE DISTAL FIBULA: A CASE REPORT AND REVIEW OF THE LITERATURE**
Mónica FERNÁNDEZ ÁLVAREZ, Carlos GARCÉS ZARZALEJO, Sergio GARCIA GRANJA, Ricardo Manuel BOLLOQUE GONZALEZ, Luis Alejandro GIRALDO VEGAS, Francisco CUADRADO ABAJO, Michel FAKKAS FERNÁNDEZ (SPAIN)
- 47254 SURGICAL OUTCOMES OF INTRAMEDULLARY NAILING FOR DIAPHYSEAL ATYPICAL FEMUR FRACTURES**
Ji Wan KIM, Jung Jae KIM, Ki Chul PARK (SOUTH KOREA)
- 47272 SCREW TRAJECTORY AFFECTS SCREW CUT-OUT RISK AFTER FIXATION FOR NONDISPLACED FEMORAL NECK FRACTURE IN ELDERLY PATIENTS**
Yu-Pin CHEN (TAIWAN)
- 47285 TREATMENT OF COMPLICATED DISTAL FRACTURE BY DFN – A STUDY IN 43 CASES**
Ashok Kumar DAS (INDIA)
- 47374 ENDOPROSTHETIC RECONSTRUCTION FOR ATYPICAL FEMORAL FRACTURE IN CANCER PATIENTS WITH POOR PROGNOSIS**
Hironari TAMIYA, Shigeyuki KURATSU, Norifumi NAKA (JAPAN)
- 47383 TREATMENT OF PROXIMAL FEMUR FRACTURES IN ELDERLY PATIENTS BY CEMENTED HEMIARTHROPLASTY V/S PROXIMAL FEMORAL NAIL**
Tarun KUKREJA (INDIA)
- 47402 REHAB PRESCRIPTION: IMPROVING RECOVERY FOLLOWING MAJOR LOWER LIMB TRAUMA**
Michael STODDART, Kalina HRISTOVA, Sheri TAY, Thomas WRIGHT, Thomas CHAPMAN, Umraz KHAN (UNITED KINGDOM)
- 47433 THE CLINICAL RESULT OF TREATMENT FOR GREATER TROCHANTER FRACTURE WITH OCCULT TROCHANTERIC FRACTURE**
Yoichiroh YAMAGUCHI (JAPAN)
- 47470 SURGICAL DILEMMA IN FIXATION OF SUBTROCHANTERIC FRACTURE IN A BELOW KNEE AMPUTEE: REVIEW OF LITERATURE AND CASE REPORT**
Siddharth SHARMA, Sumit ARORA (INDIA)

- 47482 CEMENTED AUGMENTATION VERSUS NON-CEMENTED AUGMENTATION OF PROXIMAL FEMORAL NAIL ANTI-ROTATION (PFNA) WITH AUGMENTATION OPTION IN OSTEOPOROTIC INTERTROCHANTERIC FRACTURES**
Abdelbagy HANDOUS, Bilal ELYAFAWI, Hayder ALSAADI, Ramdan ELSAID (UNITED ARAB EMIRATES)
- 47575 DHS & EDD (ELSHAFIE DYNAMIC DEROTATION) PLATE IN MANAGEMENT OF INTRACAPSULAR FEMORAL NECK FRACTURE**
Mohamed ELSHAFIE, Mohamed ATIF AHMED, Assem Mohamed NOURELDIN ZEIN, Ahmed M.A. OTHMAN, Mohamed M AZMY, Amr M.M. SOLIMAN, Ahmed Fathy SADEK (EGYPT)
- 47582 EVALUATION OF THE RESULT OF PROXIMAL FEMORAL LOCKING PLATE IN THE MANAGEMENT OF SUBTROCHANTERIC FRACTURE**
Jha SUDHANSHU¹, Shafiqul Alam MOHAMMAD², Kumar Datta NAKUL², Tanga RAHUL³
¹(NEPAL), ²(BANGLADESH), ³(INDIA)
- 47587 TREATMENT OF SEGMENTAL FRACTURE OF TIBIA WITH ILIZAROV METHOD**
Asadullah MAKHDOOM (PAKISTAN)
- 47711 CLINICAL OUTCOMES OF COMPLEX DISTAL FEMORAL FRACTURES MANAGED WITH PLATE OSTEOSYNTHESIS**
Sparsh NAIK, Pradeep SINGH (INDIA)
- 47717 CT BASED MANAGEMENT OF HIGH ENERGY TIBIAL PLATEAU FRACTURES: A RETROSPECTIVE REVIEW OF 55 CASES**
Sahil GABA, Vivek TRIKHA, Deepak GAUTAM (INDIA)
- 47757 A COMPARISON OF HEMIARTHROPLASTY VERSUS DYNAMIC HIP SCREW FIXATION FOR INTERTROCHANTERIC FEMORAL FRACTURES: A SYSTEMATIC REVIEW**
Alex CHOWDHURY, Max EDWARDS (UNITED KINGDOM)
- 47761 CONSENTING FOR RISKS IN HIP FRACTURE SURGERY: THE IMPACT OF REGULAR EDUCATION**
Alex CHOWDHURY, Swagatesh BASTIA, Paulius BIRGERIS, Osman KHAN (UNITED KINGDOM)
- 47766 MANAGEMENT OF ASEPTIC NON-UNION TIBIA USING INTERLOCKING NAIL VERSUS PLATING**
Ali MESHNEB, Hassan EL NOAMANY, Ahmed SALEH, Anis SHEHA, Ashraf MARZOUK (EGYPT)
- 47769 TREATMENT OF PROXIMAL OR DISTAL TIBIA SHAFT FRACTURES: LOCKING INTRAMEDULLARY NAIL VS. MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS**
Sungwook CHOI¹, Hyunseong KANG¹, Kyubum SEO¹, Seongil BIN¹, Darryl DLIMA²
¹(SOUTH KOREA), ²(UNITED STATES)
- 47770 MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS FOR COMPLEX TIBIAL SHAFT FRACTURE**
Hyunseong KANG, Sungwook CHOI, Kyubum SEO, Seongil BIN (SOUTH KOREA)
- 47818 VANCOUVER B1 PERIPROSTHETIC HIP FRACTURES - IS INTERNAL FIXATION ADEQUATE?**
Giri SITARAM, Serahdin AJNIN, Mahesh THIBIAIAH, Yaganti SAIDAIAH, Khaldoon WAHAB (UNITED KINGDOM)
- 47820 EPIDEMIOLOGICAL EVALUATION OF FEMUR FRACTURES IN BRAZIL: TEMPORAL TREND**
Fernando GARCIA, Magda LEO PINHEIRO, Gustavo CASTRO DE QUEIROZ, Matheus VASCONCELOS GOES MENDES, Lucas CORTIZO GARCIA, Fabio MATOS, Marcelo BONANZA, Daniel ANDION, Fernanda CORTIZO GARCIA, Maria Beatriz CORTIZO GARCIA (BRAZIL)
- 47907 LATERAL WALL PRESERVATION FOR UNSTABLE INTERTROCHANTERIC FRACTURE OF FEMORAL NECK**
Hrishikesh SAODEKAR (INDIA)
- 47942 DOES EARLY WEIGHT BEARING INFLUENCE OUTCOME AND COMPLICATIONS AFTER INTRAMEDULLARY STABILISATION OF AN OSTEOPOROTIC UNSTABLE TROCHANTERIC FRACTURE IN ELDERLY? A PROSPECTIVE RANDOMISED TRIAL**
Ashok Sunil GAVASKAR (INDIA)
- 48106 INTERMEDIATE VS. LONG CEPHALOMEDULLARY NAILING OF UNSTABLE INTERTROCHANTERIC FEMUR FRACTURES: COMPARISON OF 6-MONTH OUTCOMES**
Sorawut THAMYONGKIT, Norachart SIRISREETREERUX, Lynne JONES, Babar SHAFIQ, Erik HASENBOEHLER (UNITED STATES)
- 48140 MIDFOOT AND HINDFOOT GRADE 3B OPEN FRACTURES: EXPERIENCE FROM AN ORTHOPLASTIC UNIT**
Moez S.G. BALLAL, Hasan MOHAMMED, Adam REID, Jason WONG, Anand PILLAI (UNITED KINGDOM)
- 48186 FLAP DELAY - A VERY SIMPLE PROCEDURE TO COVER THE LARGE SOFT TISSUE DEFECT AND EXPOSED DISTAL TIBIA FIBULA & FOOT**
M. Abdulgani MOLLAH (BANGLADESH)

- 48188 TREATMENT OF TIBIAL PLATEAU FRACTURE (SCHATZKER TYPE V-VI) WITH ILIZAROV EXTERNAL FIXATOR**
M. Abdulgani MOLLAH (BANGLADESH)
- 48195 OUTCOME OF ELDERLY PATIENTS UNDER CHRONIC ANTICOAGULATION PRESENTING WITH FEMORAL NECK FRACTURES: IS THERE A DIFFERENCE BETWEEN WARFARIN AND DIRECT ORAL ANTICOAGULANTS TREATED PATIENTS?**
Tal FRENKEL RUTENBERG, Galia SPECTRE, Maria VITENBERG, Yael HALAVY, Steven VELKES (ISRAEL)
- 48213 FLOATING KNEE: RETROSPECTIVE STUDY OF 20 CASES**
Mohamed RAFAI, Charaf Eddine ELKASSIMI, Omar QAHTANE, Abdessamad RAJAALAH, Abderrahim RAFAOUI, Abdeljabbar MESSOUDI, Abdelhak GARCH (MOROCCO)
- 48216 THE LONG-TERM EVALUATION OF PATELLA FRACTURES (ABOUT 22 CASES)**
Mohamed RAFAI, Omar QAHTANE, Abderrahim RAFAOUI, Charaf Eddine ELKASSIMI, Abdessamad RAJAALAH, Abdeljabbar MESSOUDI, Abdelhak GARCH (MOROCCO)
- 48288 COMPARISON OF RADIOLOGICAL OUTCOME OF UNSTABLE INTERTROCHANTERIC FRACTURES IN ELDERLY PATIENTS TREATED WITH INDIAN AND FOREIGN CEPHALOMEDULLARY NAILS**
Velmurugesan P., Devendra AGRAHARAM, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48289 I M NAIL FIXATION DISTAL TIBIA DIAMETAPHYSEAL AREA USING LOCK NAIL**
Anil SINGHAL (INDIA)
- 48294 EFFECT OF LESSER TROCHANTER FRAGMENT IN PERTROCHANTERIC FRACTURES TREATED WITH CEPHALOMEDULLARY NAIL**
Venkata Raja Sekhar VADDIRAJU (INDIA)
- 48313 COAGULOFIBRINOLYTIC AND INFLAMMATORY CHANGES IN RESPONSE TO INTRAMEDULLARY NAILING AND ITS IMPACT ON OUTCOME**
Arulselvi SUBRAMANIAN, Venencia ALBERT, Vivek TRIKHA, Senthil KUMAR, Samarth MITTAL (INDIA)
- 48351 EPIDEMIOLOGY OF DVT IN ISOLATED PROXIMAL FEMUR FRACTURES: RESULT OF PROSPECTIVE STUDY FROM AN INDIAN TERTIARY CARE CENTRE**
Sameer AGGARWAL (INDIA)
- 48375 DOES COGNITIVE IMPAIRMENT AFFECT LENGTH OF STAY AND FUNCTIONAL OUTCOME IN HIP FRACTURES? AN OBSERVATIONAL STUDY**
Gemma GREEN, Mahesh AKULA, Paul HAMILTON (UNITED KINGDOM)
- 48499 MODIFIED GIBSON APPROACH AND HIP SURGICAL DISLOCATION FOLLOWING GANZ ET AL. TECHNIQUE IN THE TREATMENT OF A PATIENT WITH TRANSVERSE ACETABULAR FRACTURE**
Hélder FONTE, Marta Santos SILVA, Arnaldo SOUSA, Daniel SOARES, Joaquim RAMOS (PORTUGAL)
- 48514 A TECHNIQUE TO TREAT IMPENDING COMPARTMENT SYNDROME**
Bhupendra K.S. SANJAY, Gaurav SANJAY (INDIA)
- 48537 IDENTIFICATION OF THE MEDIAL FEMORAL SAFE ZONE FOR DRILLING DURING LATERAL FEMORAL PLATING AND DYNAMIC HIP SCREW (DHS) FIXATION: A CT ANGIOGRAM TRACING OF THE PROFUNDA FEMORIS ARTERY**
Samer S.S. MAHMOUD, Khalid HAMID, Bessam AHMED, Paul BAKER, Simon MILBURN (UNITED KINGDOM)
- 48556 HOW TO ACHIEVE OPTIMAL FUNCTIONAL OUTCOME IN HOFFA FRACTURE FIXATION: A CLINICO-RADIOLOGICAL STUDY**
Shah WALIULLAH, Shantanu KUMAR, Deepak KUMAR, Vineet SHARMA, Santosh KUMAR, Ashish KUMAR (INDIA)
- 48607 THE EFFECT OF INITIAL TIBIAL PLATEAU DEPRESSION ON FUNCTIONAL OUTCOME FOLLOWING TIBIAL PLATEAU FRACTURE**
Elizabeth GAUSDEN, Aleksey DHORVINSKY, Ashley LEVACK, Danielle SIN, Dean LORICH (UNITED STATES)
- 48692 TIMES TO SURGERY & OUTCOMES OF ANKLE FRACTURES AT A LARGE UK DISTRICT HOSPITAL**
Natalie HOPE, Jonathan MCFARLAND, Sophie STANGER, John GRICE, Sunny DEO (UNITED KINGDOM)
- 48698 SURGICAL MANAGEMENT OF FRACURES OF THE ACETABULUM**
Hans VOLKERSZ, Quinton OTTO, Rafael MULAMBA, Ramon VALENTIN (SOUTH AFRICA)
- 48726 TWO DECADES OF OPEN FRACTURE PRESENTATION TO ONE LARGE DISTRICT HOSPITAL: THE IMPACT OF BOAST GUIDANCE AND THE MAJOR TRAUMA NETWORK**
Sophie STANGER, James BATH, Natalie HOPE, David WOODS, Sunny DEO (UNITED KINGDOM)

- 48775 HOW TO ASSESS COMORBIDITY OF THE PATIENTS SUFFERING FROM HIP FRACTURE ASSOCIATED WITH OSTEOPOROSIS AND SUBSEQUENT HIP REPLACEMENT**
Igor ZAZIRNYI, Iryna GOLOVACH (UKRAINE)
- 48826 IPSILATERAL PERONEAL COMPARTMENT SYNDROME - IT CAN EASILY BE MISLEADING TO LONG-TERM MORBIDITY**
Giri SITARAM, Yaganti SAIDAIHAH, Serajdin AJNIN (UNITED KINGDOM)

Trauma – Miscellaneous

- 46237 “HELP! I FELL FROM A FRUIT TREE” - AN ANALYSIS OF FRACTURE PATTERNS RESULTING FROM FALLS FROM FRUIT TREES**
Simret RANDHAWA, Muhammad Syafik YUNUS, Yao Yi PHANG, Chun Sing HAN, Muhammad Yusof AZIZ (MALAYSIA)
- 46352 USE OF A BIPHASIC CEMENT BONE SUBSTITUTE IN THE MANAGEMENT OF METAPHYSEAL FRACTURES**
Quan You YEO, Ernest Beng Kee KWEK (SINGAPORE)
- 46523 MANAGEMENT OF INFECTED NON-UNIONS OF LONG BONES USING LIMB RECONSTRUCTION SYSTEM (LRS) FIXATOR**
Satya Ranjan PATRA, Dasarath KISAN, Divya MADHARIA, Naresh Kumar PANIGRAHI, Saswat SAMANT, Anmol SHIV (INDIA)
- 46567 FEMORAL ISCHAEMIA AFTER PERCUTANEOUS CERCLAGE**
Matthieu EHLINGER, Lucas NIGLIS, Henri FAVREAU, Adrien D'AMBROSIO, Philippe ADAM, Francois BONNOMET (FRANCE)
- 46642 USE OF INTRAOPERATIVE TOURNIQUETS IN ORTHOPAEDIC TRAUMA PATIENTS**
Thomas PEPPER, Kishan GOKARAJU, Maruthainar NIMALAN, Nicholas GODDARD, Nicholas GARLICK, Arthur GALEA, Philips AHRENS, Haroon MANN, Muhammad ZAHID SAEED (UNITED KINGDOM)
- 47028 HOW STEEP IS THE TRAUMA LEARNING CURVE? AN OBJECTIVE MEASUREMENT OF TRAINEES ON A UK PROGRAMME**
Robert JORDAN, Nicholas SMITH, Peter WALL, Gurdip CHAHAL, Shahbaz MALIK, Imran AHMED (UNITED KINGDOM)
- 47111 EXTENSIVE EXTRA-ARTICULAR SOFT TISSUE CALCIFICATION AFTER BURN INJURY**
Kwang-Bok LEE, Dong Gun SHIM (SOUTH KOREA)
- 47184 PATIENTS' BELIEFS AND PERCEPTIONS ABOUT ORTHOPAEDIC IMPLANTS AFTER FRACTURE HEALING**
M.R. AHAMED NIHAJ, K.P.N.G. RANASINGHE, Dilshan MUNIDASA (SRI LANKA)
- 47289 TREATMENT OF STERNOCLAVICULAR JOINT FRACTURE DISLOCATION BY OPEN REDUCTION & STABILISATION BY THREADED K-WIRES**
Ashok Kumar DAS (INDIA)
- 47603 INVASIVE FUNGAL INFECTION IN IMMUNOCOMPETENT TRAUMA PATIENTS - A CASE SERIES**
Ajay GOWTHAM, Senthil LOGANATHAN (INDIA)
- 47759 GEOMETRIC APPOSITIONAL SUTURES TO AID TATTOO REPAIR FOLLOWING SURGERY**
Alex CHOWDHURY, Paulius BIRGERIS, Caesar WEK, Max EDWARDS (UNITED KINGDOM)
- 47764 CONSENT FORM COMPLETION FOR TRAUMA PATIENTS: A SERVICE IMPROVEMENT PROJECT**
Alex CHOWDHURY, Swagatesh BASTIA, Paulius BIRGERIS, Osman KHAN (UNITED KINGDOM)
- 47859 THE BURDEN OF FRACTURES IN FOUR HOSPITALS IN MALAWI: RESULTS FROM FRACTURE CARE REGISTRIES**
Linda CHOKOTH¹, Nicholas LUBEGA¹, Jes BATES¹, Leonard BANZA¹, Sven YOUNG¹, Nyengo MKANDAWIRE¹, William HARRISON², Claude MARTIN³
¹(MALAWI), ²(UNITED KINGDOM), ³(SWITZERLAND)
- 47882 PATIENT INFORMATION PRIOR TO URGENT TRAUMA SURGERY: A QUALITY IMPROVEMENT PROJECT**
Oliver ADEBAYO, Moritz LEBE, Anoushka AYUB, Joe TURNER, Mahbub ALAM (UNITED KINGDOM)
- 47910 MEDICAL RECORD-KEEPING IN ORTHOPAEDIC TRAUMA PATIENTS: ARE WE CLEARLY DOCUMENTING THE WEIGHT-BEARING STATUS?**
Prithish NARAYAN, Panteleimon TSANTANIS, James BAILEY, David James FORD (UNITED KINGDOM)
- 48519 SURVIVORS AFTER ALCOHOL RELATED TRAUMA AND THE IMPACT OF ALCOHOL SILENCE**
May LABIDI (CROATIA)

- 48524 RISK FACTORS FOR PERI-IMPLANT INFECTION IN CLEAN ORTHOPAEDIC PROCEDURES**
Carlo Emmanuel SUMPALICO, Ilian EUSEBIO (PHILIPPINES)
- 48560 VANCOMYCIN IMPREGNATED BONE GRAFTS AS A CARRIER OF ANTIBIOTIC FOR TREATMENT OF INFECTED NON-UNION OF LONG BONES**
Shah WALIULLAH, Narendra Singh KUSHWAHA, Devarshi RASTOGI, Vineet KUMAR, Ajai SINGH, Rajendra Nath SRIVASTAVA (INDIA)
- 48586 RELATIVE SURVIVAL FOLLOWING TOTAL OR HEMIARTHROPLASTY FOR ACUTE HIP FRACTURES IN SWEDEN**
Ola ROLFSON, Dennis LIND, Szilard NEMES, Peter CNUUDE, Erik BÜLOW, Cecilia ROGMARK (SWEDEN)
- 48633 TRACKING CUMULATIVE RADIATION EXPOSURE IN ORTHOPAEDIC SURGEONS AND RESIDENTS: WHAT DOSE ARE WE GETTING?**
Elizabeth GAUSDEN, Alexander CHRIST, Roseann ZELDIN, Joseph LANE, Moira MCCARTHY (UNITED STATES)
- 48805 EFFECTIVENESS OF CT IMAGING AND OBSERVATION FOR DETECTION OF DELAYED INTRACRANIAL HEMORRHAGE IN PATIENTS WITH ANTICOAGULATION/ANTIPLATELET THERAPY**
Anna ANTONI (AUSTRIA)

Trauma – Paediatric

- 46220 FIBULAR STRUT GRAFT FOR NON-UNITED FEMORAL NECK FRACTURES IN CHILDREN**
Adham Are ELGEIDI, Abed EL-NEGERY (EGYPT)
- 46825 COMPARISON OF CLINICAL STABILITY & COMPLICATIONS BETWEEN CROSSED AND LATERAL PINNING IN DISPLACED SUPRACONDYLAR HUMERUS FRACTURES IN CHILDREN: A SYSTEMATIC REVIEW OF RANDOMISED CONTROLLED TRIALS**
Alok AGGARWAL (INDIA)
- 47020 TRAUMATIC PHYSIS MISSING (PETERSON TYPE 6): ACUTE LANGENSKIÖLD PROCEDURE - METHOD OF GROWTH DISTURBANCE PREVENTION**
Tomas PESL, Petr HAVRANEK, Martin CEPelik (CZECH REPUBLIC)
- 48526 TREATMENT OF PAEDIATRIC DIAPHYSEAL FOREARM BONE FRACTURE: A RURAL HOSPITAL-BASED EXPERIENCE**
Poojan ROKAYA (NEPAL)
- 46966 CLINICAL SIGNIFICANCE OF ANTERIOR HUMERAL LINE IN SUPRACONDYLAR HUMERAL FRACTURES IN CHILDREN**
Hsuan-Kai KAO, Wei-Chun LEE, Wen-E YANG, Chia-Hsieh CHANG (TAIWAN)

Trauma – Pelvis

- 46168 A 10-YEAR CASE REVIEW SERIES OF PLASTIC SURGERY INPUT IN THE MANAGEMENT OF PELVIC AND ACETABULAR TRAUMA AT A NATIONAL TREATMENT CENTRE**
Mcquade COLIN, John GIBBONS, Brendan O'DALY, Michael LEONARD (IRELAND)
- 46177 THE ANTERIOR INTRA-PELVIC LIMITED (MODIFIED RIVES-STOPPA) APPROACH FOR FIXATION OF ACETABULAR FRACTURES - OPERATIVE TECHNIQUE AND PRELIMINARY TREATMENT RESULTS**
Suryakant SINGH, Hitesh DAWAR, Deepak RAINA (INDIA)
- 46259 HEMIARTHROPLASTY VERSUS ORIF ACETABULAR FRACTURE IN THE ELDERLY: COMPARISON OF PERIOPERATIVE OUTCOMES IN A NATIONAL PELVIC AND ACETABULAR REFERRAL CENTRE OVER 5 YEARS**
John GIBBONS, Mark QUINN, Brendan O'DALY, John MCELWAIN, Michael LEONARD (IRELAND)
- 46358 THE FLOATING HIP: COMPLICATIONS AND OUTCOMES**
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46380 THE ANTERIOR INTRA-PELVIC APPROACH FOR ACETABULAR FRACTURES UTILISING APPROACH SPECIFIC INSTRUMENTS AND AN ANATOMICAL-PRESHAPED, THREE-DIMENSIONAL SUPRAPECTINEAL PLATE**
Florian GRAS, Ivan MARINTSCHEV, Lars GROSSTERLINDEN, Markus ROSSMANN, Isabel GRAUL, Gunther O. HOFMANN, Johannes M. RUEGER, Wolfgang LEHMANN (GERMANY)
- 46461 INFRAPECTINEAL PLATING IN ACETABULAR FRACTURE**
Sang Eun PARK, Kugjin CHOI (SOUTH KOREA)

- 46561 RADIOLOGICAL OUTCOMES OF A 2-HOLED DHS IN INTRACAPSULAR FRACTURED NECK OF FEMUR**
Syed Suhaib JAMEEL, Subodh SRIVASTAVA, Kalana RATHNAYAKE, Martinique VELLA BALDACCHINO
(UNITED KINGDOM)
- 46674 ANTEROMEDIANLY DISPLACED ACETABULAR FRACTURES TREATED WITH A COLLINEAR REDUCTION CLAMP THROUGH THE MODIFIED ILIOINGUINAL APPROACH**
Je-Hyun YOO, Ji-Hyo HWANG (SOUTH KOREA)
- 46712 INJURY OF THE OBTURATOR NERVE IN THE MODIFIED STOPPA APPROACH FOR ACETABULAR FRACTURES**
Ji Wan KIM, Jung Jae KIM, Oog-Jin SHON, Jai Hyung PARK (SOUTH KOREA)
- 46791 THE ANALYSIS OF CAUSE OF PRIMARY REDUCTION FAILURE IN HIP DISLOCATION WITH OR WITHOUT HIP FRACTURE**
Hee-Gon PARK, Yong Eun SHIN (SOUTH KOREA)
- 46877 VERTICAL SACRAL FRACTURES TREATED WITH SPINO-PELVIC FIXATION AND INTERNAL FIXATION**
Rocco ERASMO, Luigi GUERRA, Federico VISCI, Domenico MARINELLI (ITALY)
- 46882 15 ACETABULAR FRACTURES TREATED WITH SUPRAPECTINEAL PLATE**
Rocco ERASMO, Luigi GUERRA, Federico VISCI, Domenico MARINELLI (ITALY)
- 46941 EPIDEMIOLOGY OF ACETABULAR FRACTURES IN THE STATE OF QATAR**
Abduljabbar ALHAMMOUD, Mohammed Mubarak AL-ATEEQ AL-DOSARI, Ghalib AHMED (QATAR)
- 47093 THE ROLE OF MULTI-DIMENSIONAL COMPUTERISED TOMOGRAPHY IN PRE-OPERATIVE PLANNING OF PERCUTANEOUS SCREW FIXATION OF LATERAL COMPRESSION TYPE 2 PELVIC FRACTURES**
John EDWIN, Paul HARNETT, Shahbaz AHMED, Dinnish BASKARAN (UNITED KINGDOM)
- 47174 BIOMORPHOMETRIC ANALYSIS OF SACRAL DYSMORPHISM FOR A SECURE ILIOSACRAL SCREW FIXATION OF POSTERIOR PELVIC RING LESIONS**
Henry WENDT, Heiko GOTTSCHLING, Manuel SCHRÖDER, Ivan MARINTSCHEV, Gunther HOFMANN, Rainer BURBKART, Florian GRAS (GERMANY)
- 47337 CHALLENGES OF MANAGING ANTERIOR ACETABULAR FRACTURES WITH MODIFIED STOPPA APPROACH IN A DEVELOPING COUNTRY**
Vivek TRIKHA, Buddhadev CHOWDHURY (INDIA)
- 47341 MANAGEMENT OF MOREL LAVALLEE LESION ASSOCIATED WITH PELVI ACETABULAR FRACTURES**
Vivek TRIKHA, Buddhadev CHOWDHURY (INDIA)
- 47562 FUNCTIONAL OUTCOME OF OPERATIVELY TREATED FLOATING HIP INJURIES**
Vivek TRIKHA, Buddhadev CHOWDHURY (INDIA)
- 47751 AN UNUSUAL PATTERN OF POSTERIOR WALL FRACTURE OF ACETABULUM: A SERIES OF 3 CASES**
Sahil GABA, Vivek TRIKHA, Lokesh CHAWLA (INDIA)
- 47992 TRANSILIAC ROD FIXATION FOR SACRAL FRACTURES**
Masafumi KISHIMOTO (JAPAN)
- 48010 ANTERIOR SIJ PLATING FOR TILE C INJURIES**
Rajkumar THANGARAJ, Tony CLAYSON, Henry WYNN-JONES, Amol CHITRE, Nikhil SHAH (UNITED KINGDOM)
- 48047 RISK FACTORS ASSOCIATED WITH TRAUMATIC PELVIC FRACTURE AND ITS IMPACT ON OUTCOME: A TWO-YEAR RETROSPECTIVE STUDY IN A LEVEL I TRAUMA CENTRE**
Venencia ALBERT, Arulselvi SUBRAMANIAN, Vijay SHARMA (INDIA)
- 48101 CRESCENT FRACTURE DISLOCATION OF THE SACROILIAC JOINT: USE OF ILIOSACRAL SCREWS**
Ahmed ABDELAZEEM, Hisham NAGIB, Mahmoud ABDEL KARIM, Sherif KHALED (EGYPT)
- 48346 ASSESSMENT OF COMPLICATIONS OF FRACTURE ACETABULUM IN INDIAN POPULATION**
Sameer AGGARWAL (INDIA)
- 48733 IMPROVING THE ACCURACY OF DIGITAL TEMPLATING - AN AUDIT OF THE USE OF MARKER BALLS IN PELVIC RADIOGRAPHS**
Hammad PARWAIZ, Ashley THORPE, Rosie SEATTER, Joshua FILER, Boris Aliaga CRESPO (UNITED KINGDOM)

Trauma – Polytrauma Management

- 46313 SUPRAPATELLAR NAILING FOR TIBIA FRACTURES - NEVER THOUGHT OF INDICATIONS**
Hitesh DAWAR, Surbhit RASTOGI, Deepak RAINA (INDIA)
- 46722 INCIDENCE, CHARACTERISTICS, AND TREATMENT OF AIR LEAK FOLLOWING BLUNT CHEST INJURIES IN POLYTRAUMA PATIENTS**
Gabriel HALAT¹, Lukas NEGRIN¹, Konstantina CHRYSOU², Beatrix HOKSCH², Ralph SCHMID², Gregor KOCHER²
¹(AUSTRIA), ²(SWITZERLAND)
- 47088 HIGH ENERGY DISTAL RADIUS FRACTURES IN YOUNG ADULTS AT A MAJOR TRAUMA CENTRE: EXPERIENCE AND SHORT-TERM OUTCOMES**
John EDWIN, Ramon TAHMASSEBI, Amr SAAD, James TEBBY, Shahbaz AHMED, Aditya SINHA (UNITED KINGDOM)
- 47771 TREATMENT TACTICS OF POLYTRAUMA PATIENTS**
Nurlan BATPENOV, Kuanysh OSPANOV, Yergali NABIYEV, Birzhan DOSMAILOV, Alexander STEPANOV (KAZAKHSTAN)
- 48754 GUNSHOT INDUCED INJURIES IN ORTHOPAEDIC TRAUMA RESEARCH**
Esmee ENGELMANN (NETHERLANDS)

Trauma – Upper Limb

- 46282 RADIAL FRACTURE SHAFT OBLIQUITY: A NOVEL PREDICTOR OF DISTAL RADIOULNAR JOINT INSTABILITY IN RADIAL SHAFT FRACTURES**
Benjamin DING (SINGAPORE)
- 46323 NOVEL WAY OF TREATING HUMERAL SHAFT FRACTURES IN DEVELOPING COUNTRIES**
Faseeh SHAHAB¹, S. SHAHABUDDIN¹, Ilyas MANSOOR¹, Zirkle LEWIS G.²
¹(PAKISTAN), ²(UNITED STATES)
- 46612 ISOLATED ANTERIOR DISLOCATION OF RADIAL HEAD IN AN ADULT WITH ATYPICAL PRESENTATION: A CASE REPORT**
Anubhav MALHOTRA (INDIA)
- 46633 THE PATH LESS TRODDEN – ANTEROMEDIAL PLATING OF HUMERAL DIAPHYSEAL FRACTURES**
Deepak KAKI (INDIA)
- 46742 A COMPARATIVE STUDY OF THE MANAGEMENT OF OLECRANON FRACTURES USING TENSION BAND WIRING TECHNIQUE WITH CANCELLOUS SCREWS AND K-WIRES**
Suraj Verma BUDDHARAJU (INDIA)
- 46747 LOCKING COMPRESSION PLATE VERSUS INTRAMEDULLARY INTERLOCKING NAIL FOR MANAGEMENT OF ADULT HUMERAL SHAFT FRACTURES**
Ameen AHAMED (INDIA)
- 46752 INTERNAL FIXATION OF PROXIMAL HUMERAL FRACTURES: HOW WE MANAGE THEM**
Boris MAXIMOV, Ashot PANDUNTC, Nikolay VEDERNIKOV (RUSSIA)
- 46765 RESULTS OF DISTAL LOCKING PLATE IN DISTAL RADIUS FRACTURES**
Ramchander SIWACH, Karan SIWACH (INDIA)
- 46839 THE INCIDENCE OF OCCULT SURGICAL NECK FRACTURE IN PATIENTS WITH ISOLATED GREATER TUBEROSITY FRACTURE OF THE PROXIMAL HUMERUS**
Wei-Ren SU, Leo SHAW, Chih-Kai HONG, Cheng-Li LIN (TAIWAN)
- 46947 EFFICIENCY OF FRAGMENT SPECIFIC FIXATION PLATES IN THE TREATMENT OF COMMUNATED DISTAL RADIAL FRACTURES**
Abduljabbar ALHAMMOUD, Elhadi MUSAAB ELHADI BABIKIR, Eyad AL-MAQDAS, Khalid Hasan KHALID HASAN, Shamsi ABDUL HAMEED, Mohammed Mubarak AL-ATEEQ AL-DOSARI (QATAR)
- 47004 THE GOAL OF TREATMENT OF CLAVICLE FRACTURE IS TO PREVENT CLAVICLE SHORTENING AND RESTORE SOCIAL LIFE AT AN EARLY STAGE**
Yoshiyuki KARASAWA, Tomoo INUKAI, Akira YOSHIDA (JAPAN)
- 47048 A USEFUL METHOD FOR REDUCTION OF TRAUMATIC POSTERIOR STERNOCLAVICULAR JOINT DISLOCATION: A CASE REPORT AND BRIEF REVIEW**
Tadashi IWAI, Kazusige TANAKA, Mamoru OKUBO (JAPAN)

- 47061 SHOULDER INSTABILITY – TRAUMATIC DISEASE OF THE SHOULDER JOINT**
Nurlan BATPENOV, Serik RAKHIMOV (KAZAKHSTAN)
- 47119 HINGED EXTERNAL FIXATION FOR THE SEVERE UNSTABLE ELBOW JOINT**
Sakae SANO, Shinobu SAITO, Yoshihiro ABE, Satoshi IIDA (JAPAN)
- 47252 ANTERIOR DISLOCATION OF THE SHOULDER WITH IPSILATERAL HUMERUS SHAFT FRACTURE: A CASE REPORT**
Nadhir MERAGHNI, Fouad AGABI, Nadji AIT AMARA, Ahmed BOUTINE, Riad BENKAIDALI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47259 RETROGRADE INTRAMEDULLARY NAILING FOR THE HUMERUS FRACTURE IN A SUPINE POSITION - PERFORMING AN UNFAMILIAR PROCEDURE IN A FAMILIAR POSITION**
Jin Woong YI, Tae Gyun KIM (SOUTH KOREA)
- 47476 OUTCOMES AFTER THE USE OF BIER’S BLOCK FOR THE MANIPULATION OF DISTAL RADIUS FRACTURES IN THE EMERGENCY DEPARTMENT**
Hammad PARWAIZ, Greg PICKERING, Barton TRISTAN (UNITED KINGDOM)
- 47768 ARTHROSCOPIC TREATMENT OF GREATER TUBerosITY FRACTURES: RETROSPECTIVE REVIEW OF CLINICAL AND RADIOLOGICAL OUTCOMES**
Sungwook CHOI¹, Hyunseong KANG¹, Kyubum SEO¹, Darryl DLIMA²
¹(SOUTH KOREA), ²(UNITED STATES)
- 47833 DIFFERENCE BETWEEN RADIOLOGICAL AND FUNCTIONAL OUTCOME WITH DELTOID SPLITTING APPROACH VERSUS DELTOPECTORAL APPROACH FOR THE MANAGEMENT OF PROXIMAL HUMERAL FRACTURES WITH PHILOS PLATE**
Narendra Singh Kushwaha NARENDRA (INDIA)
- 47949 LIGAMENT AND MUSCLE INJURIES IN CORONOID PROCESS FRACTURES DIAGNOSED BY MAGNETIC RESONANCE IMAGING**
Joonyub KIM (SOUTH KOREA)
- 47968 ARE WE FOLLOWING UP NON-OPERATIVELY MANAGED DISTAL RADIAL FRACTURES APPROPRIATELY?**
Edward MATTHEWS, Nimesh PATEL, Mark BRINDEN (UNITED KINGDOM)
- 47982 MODIFIED ANTEROLATERAL APPROACH FOR INTERNAL FIXATION OF THE HOLSTEIN-LEWIS HUMERAL SHAFT FRACTURES**
Jongpil KIM, Phil Hyun CHUNG, Suk KANG, Young Sung KIM, Ho Min LEE, Kwang Suk CHO (SOUTH KOREA)
- 48353 COMPLEX PROXIMAL HUMERUS FRACTURE - DOES SURGICAL APPROACH AFFECT THE OUTCOME?**
Sameer AGGARWAL, Devendra CHOUHAN (INDIA)
- 48433 MANAGEMENT OF DISPLACED MIDSHAFT CLAVICLE FRACTURES IN ADOLESCENT PATIENTS USING INTRAMEDULLARY FLEXIBLE NAILS - A CASE SERIES**
Amr ABDELGAWAD¹, Ahmed AZIZ²
¹(UNITED STATES), ²(EGYPT)
- 48483 THE COMPARISON OF TRICEPS-SPARING AND TRICEPS-SPLITTING APPROACH IN THE TREATMENT OF EXTRA-ARTICULAR DISTAL HUMERAL FRACTURES**
Srecko SABALIC, Fabijan CUKELJ, Tomislav CENGIC, Petra JURINA, Stjepan CURIC, Stipe CORLUKA (CROATIA)
- 48580 OUTCOME OF HUMERAL SHAFT FRACTURES USING OFF SHELF CLASBY HUMERAL BRACE**
Parthasaradhi GAJULA¹, George VISCOPOLEANU², Jagan Mohan Reddy VELPULA¹, Ashwin PIMPALNERKAR¹
¹(UNITED KINGDOM), ²(ROMANIA)
- 48639 ANTERIOR ‘THREE-WINDOW’ TRANSVERSE APPROACH TO ELBOW**
Mohit Kumar ARORA (INDIA)
- 48684 LOSS OF POSITION AFTER INITIAL MANIPULATION OF DISTAL RADIUS FRACTURES IN ELDERLY**
Nadeem KHALID (SAUDI ARABIA)
- 48704 ARE POST-OPERATIVE RADIOGRAPHS A USEFUL CLINICAL TOOL FOLLOWING VOLAR LOCKING PLATING IN DISTAL RADIUS FRACTURES?**
Angus FONG, Alistair EYRE-BROOK, Stephen BOSTOCK (UNITED KINGDOM)
- 48804 DIVERGENT ELBOW DISLOCATION WITH IPSILATERAL RADIAL SHAFT FRACTURE - UNCOMMON COMPLEX INJURY BUT GOOD CLINICAL OUTCOME**
Giri SITARAM, Serajdin AJNIN, Mahesh THIBIAIAH (UNITED KINGDOM)
- 48816 EVALUATION OF TREATMENT OF FRACTURES OF THE MIDDLE THIRD OF THE CLAVICLE BY TITANIUM ELASTIC STABLE INTRAMEDULLARY NAILS**
Nehad EL MAHBOUB, Mohamed HAMZA (EGYPT)