

Serbian Orthopaedic and Traumatology Association - SOTA 2024, Belgrade, 25-27.09.2024

CONGRESS PROGRAM

WEDNESDAY - 25.09.2024

8.00 - 09.00 UPPER EXTREMITY – Hand and wrist + Pathology in general and private practice

Moderators: Matic S, Palibrk T, Milutinovic S

1. Diagnosis and Treatment of Special Types of Carpal Fractures: *Yang R*
2. Index finger pollicization with immobilization of the interphalangeal joints for treatment of IIIB congenital hypoplasia of the thumb: *Tan W*
3. Emergency primary repair of severe upper limb injuries: a single-center retrospective study: *Zheng X*
4. “string bag” wire fixation for mallet fractures: *Liu Y*
5. A retrospective study of the difference in clinical efficacy between free fibula flaps and iliac bone grafts in the treatment of radial bone defects and osteogenesis imperfecta: *Zhang W*
6. Application and mid-term follow-up of personalized 3D printed microporous titanium wrist replacement: *Xu Y*
7. Challenges in the surgical treatment of phalangeal fractures of the hand: *Petrovic A*
8. Swan neck deformity – different treatment modalities: *Herbert M*
9. Perioperative Ultrasound Screening of Lower Extremity Veins is Effective in the Prevention of Fatal Pulmonary Embolism in Orthopedic Patients. *Wang P*
10. Result of surgical treatment of patellar instability based on 24 cases. : *Jellali A*

Discussion

09.00 – 10.00 ONCOLOGY

Moderators: Lešić A, Rajković S, Bogosavljević N

1. Surgery combined with anlotinib for local control of patients with resectable extremity desmoid fibromatosis: a retrospective study. : *Duan H*
2. Reconstruction with a Pedicled Trapezius Musculocutaneous Flap after Resection of Malignant Tumors in the Shoulder Region. : *Petrović B*
3. The treatment of periprosthetic pathological (metastatic) fractures: A case series. : *Bogosavljevic N*
4. Failures of conservative treatment of giant cell tumors are the prerogative of insufficient analysis of imaging and lack of consultation About 42 patients. : *Atia R*

5. Clinical Efficacy of 3D Printing Technology Assisted Limb Malignant Bone Tumor Surgery Based on Three-Dimensional Multimodal Imaging. : **Duan H**
6. β -Caryophyllene exerts anticancer effect on osteosarcoma by regulating PPAR- γ and Hippo-YAP pathway. : **Deng J**
7. Tracing the Path of Musculoskeletal Tumors: From First Encounter to Definitive Diagnosis. : **Jovanović N**
8. Preoperative planning using three-dimensional multimodality imaging for soft tissue sarcoma of the axilla: a pilot study. : **FANG X**
9. Pelvic Reconstruction With a Novel Three-Dimensional-Printed, Multimodality Imaging Based Endoprosthesis Following Enneking Type I + IV Resection. : **Duan H**

Discussion

10.00 - 10.15 **BREAK**

10.15 – 12.00 **NEW TECHNOLOGIES, REGENERATIVE MEDICINE**

Moderators: Dulić O, Mitković M, Radosavljević A, Korica S

1. To analyze the efficacy of robot navigation system in the treatment of OgawaI coracoid process fractures. **Xu F**
2. Compare the application of antegrade elastic intramedullary nails and gram needle techniques in the fixation of fractures in the distal transitional area of the radius in children with severe displacement. : **Tan W**
3. Application of Bone Marrow Aspirate Concentrate, Cancellous Bone Autograft, Platelet Rich Plasma, and Autologous Fibrin for Femur Non- unions: A Case Series: **Dulic O**
4. Effects of biomimetic hydroxyapatite coatings on osteoimmunomodulation: **Jiang J**
5. Short-term Effectiveness of TiRobot-Assisted Placement of Femoral neck System for the Treatment of Femoral Neck Fractures: **Wang P**
6. Anatomical study and clinical observation of femoral quadratus muscle bone flap preserving posterior superior supporting artery of femoral head in treatment of femoral head necrosis: **Xu Y**
7. Rotational osteotomy with single incision and elastic fixation for congenital radioulnar synostosis in children: a retrospective cohort study: **Tan W**
8. Two-stage local anesthesia for unilateral bilateral endoscopic decompression in high-risk patients with degenerative lumbar canal stenosis: A Randomized Control Trial: **Zhang S**
9. Clinical study of anterolateral femoral free flap combined with 3D printed metal scaffold for repairing GustiloIII open fracture of weight-bearing limb: **Wu Y**
10. The flap combined with 3D-printed microporous metal scaffold was used to repair large soft tissue defect and large bone defect of limbs: **Xu Y**
11. Clinical significance of hyper-inlet view in fluoroscopy-assisted placement of sacroiliac screws: **Wang P**

12. Treatment of early stage osteonecrosis of the femoral head with bone marrow aspirate concentrate. : **Zakirova A**
13. Bioadaptable bioactive glass- β -tricalcium phosphate scaffolds with TPMS- gyroid structure by stereolithography for bone regeneration: **Jiang J**
14. A novel decellularisation method based on supercritical extraction technology and its application. : **Wei S**
15. M1 macrophage-targeted hydrogel microspheres for osteoarthritis treatment via biologically- and physically-coupled. : **SHI Q**
16. Taxifolin-loaded mesoporous whitlockite/GelMA incorporated composite hydrogel accelerates osteoporotic bone defect repair by enhancing osteogenesis, angiogenesis and inhibiting osteoclastogenesis: **Jiang J**

12.00 – 12.30 **PLENARY LECTURE 1 - SICOT**

12.30 – 13.30 **BREAK**

13.30 – 15.30 **PAEDIATRICS**

Moderators: Dučić S, Spasovsksi D, Milošević I

1. Surgery for fractures of the lower quarter of the radius in children seems to be giving way to orthopedic treatment which gives very good results About 1266 cases: **Atia R**
2. Functional and Radiological Outcome of Triple procedure for Treatment of Older Children with Developmental Dysplasia of the Hip (DDH): **Bastawisy A**
3. Elastic stable intramedullary nailing fix ulna and percutaneous reduction technique fix radius for irreducible and difficult variant of paediatric distal radius and ulna diaphyseal metaphyseal junction fractures: **Tan W**
4. Clinical application of perforator flap based on the descending branch of circumflex scapular artery for repairing the skin and soft tissue defects of foot and ankle in children: **Wu P**
5. Emergency evacuation of traumatic hematoma does not prevent complications due to supposed compression in femoral neck fractures in children under 12 years old About 94 cases: **Atia R**
6. Surgical management of complex lower limb deformities in children using 3D modelization and patient specific guides: **Toumia M**
7. Closed reduction and percutaneous pinning in treatment of delayed supracondylar humerus fractures in children: **Tan W**
8. Treatment of acute pink pulseless hand in paediatric supracondylar fractures of the humerus: **Selvaraj P**
9. Fractures of the child's distal humerus due to its displacement, stabilization and complications remain the major concern of childhood trauma Apropos of 1606 cases: **Atia R**

10. Repair of skin and soft tissue defects in children's limbs using perforator flap transplantation: **Wu P**
11. Bony reconstructive surgery for the instable hip in cerebral palsy: clinical and radiological outcome: **Ouachani A**
12. Central obesity may affect bone development in adolescents: association between abdominal obesity index ABSI and adolescent bone mineral density: **Lin R**
13. The management of idiopathic equinovarus clubfoot at birth does not have many functional and aesthetic implications for its management after the age of walking Apropos of 1751 idiopathic cases: **Atia R**
14. The displacement of the cephalic acetabulum in relation to the neck of the femur in proximal femoral epiphysiolysis generates a conflict with the acetabulum requiring its correction in order to avoid early coxarthrosis About 193 Case/34 Neck osteotomy: **Atia R**
15. Optimizing intraoperative irradiation levels for paediatric orthopaedics surgeries: Radiation doses does matter: **Toumia M**

Discussion

15.30 - 16.00 **BREAK**

16.00 - 17.00 **UPPER EXTREMITY – Shoulder and Elbow**

Moderators: Ille M, Stevanović V, Ilić M, Ninković S

1. Possible association between rotator cuff repair and suicide: A nationwide cohort study using propensity score matching: **Kim H**
2. Shoulder joint injuries - From non-operative treatment, through synthesis, to prostheses: **Ille M**
3. Comparing Intra-Articular and Intravenous Tranexamic Acid in Arthroscopic Rotator Cuff Repair: Enhanced Visual Clarity and Reduced Postoperative Pain in a Retrospective Cohort Study: **Kim H**
4. Lečenje Preloma Humerusa-Timska Igra Koja Garantuje Uspeh: **Glišović Jovanović I**
5. Acute Distal Biceps Tendon Repair with Cortical Button Offers Good Functional Outcomes: A Retrospective Study Focusing of Range of Motion, Muscle Strength, and Pain: **Hafeez U**
6. Supracondylar and intercondylar comminutions of total fractures of the distal humerus in adults guide the treatment and its impact on the result Apropos of 546 cases: **Atia R**
7. Treatment of proximal humerus fractures in the elderly population: **Ille M**
8. Shoulder arthroplasty - from hemi to RSA: **Colić N**
9. Treatment of proximal humeral fractures with PHILOS plate: **Todorović M**

Discussion

17.00 – 18.00 SICOT CONGRESS SESSION

18.00 – 19.30 OPENING CEREMONY - SICOT

THURSDAY - 26.09.2024

08.00 – 09.00 KNEE

Moderators: Kadija M, Matić A, Slavković N

1. Anterolateral thigh chimeric perforator flap for repair of large area compound tissue defect around knee joint. : **Wu P**
2. Komplikacije Operativne Rane Posle Implantacije Totalne Proteze Kolena. : **Milovanovic D**
3. Does total synovectomy have an effect on intra- and post-operative bleeding in total knee arthroplasty? : **Ben Abid A**
4. Sonication importance in the diagnosis of periprosthetic infections: A Single-center experience. : **Baljozovic A**
5. Revision in two stage after infection of primary knee arthroplasty. Presentation of three cases. : **Stojiljkovic P**
6. Neglected Concomitant Posterior cruciate ligament (PCL) injury in femoral shaft fracture. : **Kim M**
7. When posterior stabilised total knee arthroplasty is not posteriorly stable anymore – Case report and literature review. : **Mičeta L**
8. The use of hamstring tendon autografts in the reconstruction of neglected or chronic patellar ligament injuries. : **Šubic M**
9. New operative technique for patellar fracture - tension band suture - "X box" technique. : **Stanojcic T**

Discussion

09.00 – 10.00 FOOT AND ANKLE + conservative treatment and resident's sessions

Moderators: Lekić G, Rašović P, Glišović I

1. The Diagnostic Puzzle: Midfoot Fracture, Malunion, or Charcot Neuroarthropathy: **Bajuri M**
2. Efficacy analysis of Nice knot internal fixation combined with Kirschner wire external fixation in the treatment of the fifth metatarsal base fracture: **Xu F**
3. Application of free peroneal artery perforator flap for repairing small soft tissue defects of the foot: **Zhang W**
4. Diagnostic Dilemma: Late-stage Ankle Gouty Arthritis Simulating Infection and Malignancy: **Bajuri M**
5. Hirurško lečenje povrede Lisfrankovog ygloba stopala. : **Vasović D.**

6. Treatment of open extruded fracture neck of the talus using the combined method of external fixation modified for dynamic ankle joint fixation and Kirschner wires - case report: **Lalić I**
7. Complications of Surgical Treatment of Achilles Tendon Rupture: **Čvorović L**
8. Comparison of the Effectiveness of Caudal Epidural Injection and Selective Nerve Root Block in Lumbar Herniated Disk or Spinal Stenosis. : **Kim M**
9. Subjective Global Assessment and Serum Biomarkers as a Screening Tool for The Evaluation of Nutrition Status and Its Impact on Bone Healing in Patients with Limb Injuries. : **Divya Bhanu D**
10. Lečenje aseptične pseudoartroze dijafize tibije intramedularnim klinom - prikaz slučaja. : **Moljevic U**

Discussion

10.00 – 10.30 **BREAK**

10.30 - 12.00 **SICOT-SOTA SPECIAL COMBINED SESSION**

1. Electromagnetic navigation system in total hip arthroplasty is more precise and accurate than the freehand technique: a randomized, controlled trial with 84 patients. **Mihalič R**
2. Q-TLIF technique introduction and application in lumbar degenerative diseases. **Haibiao Q**
3. Others speakers - **TBD**

12.00 – 12.30 **PLENARY LECTURE 2 - SICOT**

12.30 - 13.00 **RESEARCH ACADEMY AWARDS - SICOT**

13.00 - 14.00 **BREAK**

14.00 – 15.30 **MISCELLANEOUS**

Moderators: Pešić G, Milenković S, Dabetić U, Stepanović Z

1. The treatment and radiographic outcomes of femur fracture non unions with implant failure in polytraumatized patients following intramedullary sign nail: **Fazal Rabi R**
2. Pseudoaneurysm Of the Medial Femoral Circumflex Artery as A Complication of Lesser Trochanter Displacement Upon Intramedullary Osteosynthesis of a Femur Fracture – Case Report. : **Ristic D**
3. PKM2 regulates osteoclastogenesis by affecting osteoclast precursor cell fusion via downregulation of OC-STAMP and DC-STAMP : **Jiang J**

4. The Effect of the COVID-19 Pandemic on Mental Health in Electively Scheduled Hip and Knee Arthroplasty Patients in Serbia. : **Stepanovic Z**
5. Culture negative Prosthetic joint infections (CNPJI) had better outcomes following revision joint replacement surgery than culture positive PJI (CPPJI). **Tank P**
6. Factors and managing of rebound pain after nerve blocks. : **Šabanović J**
7. Supraclavicular nerve block - advantages and disadvantages. : **Panovic S**
8. Responsibility of the orthopedic surgeon faced with a vascular wound of the limbs Apropos of 353 patients. **Atia R**
9. Modified Vacuum Assisted Closure (mVAC): A 6-month case series on the methods and outcomes of using modified negative pressure wound therapy among patients with inadequate soft tissue coverage at the Philippine Orthopedic Center. : **Valbuena M**
10. Diagnostic and therapeutic delays in necrotizing fasciitis of the limbs. : **Sassi A**
11. Uloga ortopedskog hirurga u lečenju urođene anomalije - distalne fokomelije. Prikaz slučaja. : **Petrovic A**
12. A long-lasting Experience of Running Journal Clubs with a half-century background in the Orthopedics Departments of Tehran University of Medical Sciences. : **Mortazavi S**
13. Diet for elective orthopaedic surgery patients. : **Mićić N**
14. Operative treatment of posterior process of talus fracture - case report. : **Vuruna M.**

Discussion

15.30 - 16.00 **BREAK**

16.00 – 18.00 **SPORT MEDICINE, ROAD TRAFFIC INJURIES, WAR INJURIES**

Moderators: Milankov M, Micić I, Apostolović M, Milovanović D

1. Place of BTB Graft In Reconstruction of the ACL. : **Milankov M**
2. Combined transplantation of anterolateral thigh perforator flaps to repair of large area skin and soft tissue defect of upper extremity. : **Wu P**
3. "Outcome of Arthroscopic fixation of Tibial spine avulsion fracture with Fiber wire and Endo-button" : **Goraya S**
4. The effect of concomitant meniscus tear and tibial slope on static knee position and dynamic knee stability in ACL-deficient patients. : **Huang T**
5. Comparison of efficacy of meniscus allograft transplantation between discoid lateral meniscus and nondiscoid lateral meniscus. **Lin R**
6. Clinical application of polyfoliate anterolateral thigh perforator flap with single-perforator. : **Wu P**
7. "Experience of ACL Autograft Reconstruction with either side PEEK Screws fixation in Adults " : **Goraya S**
8. Outcome of Arthroscopic Absorbable Suture Fixation for Tibial Spine Fractures. : **Goraya S**

9. A New Operative Technique for Dissecting Iliac Bone Flap with Deep Iliac Circumflex Vessel: A Better Way to Minimize Donor-site Morbidity. : **Wu P**
10. Comparison Between Outcomes of Open and Arthroscopic Fixation of Tibial Spine Avulsion Fractures. : **Sohail M**
11. Meeting high expectations: ACL reconstruction using an all-inside technique with internal brace reinforcement. : **Aleksandrić D**
12. Limb lengthening in patients with bonny defects caused by Warfare and other injuries. : **Mohammadi V**
13. A special form of anterolateral femoral perforator flap transplantation combined with fascia lata resection was used to reconstruct the complex tissue defect of hands and feet. : **Li J**
14. The inferior epigastric artery perforator flap based on the principle of abdominoplasty in repairing soft tissue defects of limbs. : **Liu Y**
15. Combined transplantation of modified latissimus dorsi flap and anterolateral thigh perforator flap Large area skin and soft tissue defect of lower extremity. : **Wu P**
16. Functional Outcome of Arthroscopic treatment of tibial eminence fracture. : **Goraya S**
17. Functional Outcome of Tibial nailing in Semi Extended Position using a Suprapatellar Portal. : **Jaffere S**
18. Essex Lopresti fracture-dislocation: An entity to be aware of. : **Sassi A**
19. Clinical study on the perforating pedicle kite flap. : **Wu P**

Discussion

FRIDAY - 27.09.2024

8.00 – 10.30 SPINE

Moderators: Zagorac S, Aleksić M, Stojadinović I

1. Unilateral biportal endoscopy for the resection of thoracic intradural extramedullary tumors: **Zhang S**
2. Outcome of Three Column Osteotomies in RIGID Adolescent Idiopathic Scoliosis : **Mian M**
3. Influence of Thoracolumbar Osteoporotic Vertebral Compression Fractures on Elderly Spinal Balance and Lumbar Function: **Meng B**
4. The studying of anatomical parameters of craniovertebral junction to optimize occipitocervical fusion in children. : **Dzhumatov T**
5. Unilateral Biportal Endoscopic decompression with laminectomy and discectomy for treating cervical radiculopathy:a preliminary study: **Zhang S**
6. Is spondylodiscitis still diagnostic challenge? : **Vasic M**
7. Tuberculous Spondylitis Mimicking Presacral Metastasis: Case Report: **Kamoun C**
8. Pedicle subtraction osteotomy in ankylosing spondylitis: **Naceri Y**
9. ‘Association Of VDR Gene Polymorphism With Modic Changes Among The Patients Of Low Backache- A Case Control Study’: **Mishra P**

10. Boundaries of Percutaneous Kyphoplasty for Treating Osteoporotic Vertebral Compression Fractures: **Meng B**
11. Scoliosis on hemivertebra in adolescents: about two cases. : **Naceri YI**
12. Comparison Of Mini Open Wiltse Approach with Conventional Posterior Approach in Patients with Single Segment Unstable Thoracolumbar Fractures: **Hamid M**
13. The Craniovertebral Junction Congenital (CVJ) Abnormalities treatment approach: **Dzumatov**
14. The influence of anesthesia on intraoperative neuromonitoring in spinal surgery: **Milosavljević A**
15. Spinal Aspergillosis: A Case Report and Literature Review : **Wang Q**
16. The vulnerability of the arthritic cervical spine during trauma leads to confusion between usual pain and instability before or after the accident in 347 patients. : **Atia r**
17. Outcome of Unilateral Extrapedicular Kyphoplasty: **Hamid M**
18. Deformity Angular Ratio and its correlation with Complications rate: **Mian M**
19. Cervical Pott's Disease with Neurological Complication: A Case Report: **Sassi A**
20. Why We do not Perform Interlaminar Surgeries instead of Transforaminal Endoscopic Approach: **Satana T**
21. Robot-Assisted unilateral biportal endoscopic lumbar interbody fusion for the treatment of single-level degenerative lumbar spondylolisthesis: Ipsilateral direct with contralateral indirect decompression: **Zhang W**
22. Combined Treatment of Teriparatide and Denosumab for Residual Pain After Percutaneous Kyphoplasty in Osteoporotic Vertebral Fractures: **Meng B**
23. Biomimetic nanovesicles alleviate compression-induced intervertebral disc degeneration via integration with mechanically responsive miR-1249: **SHI Q**
24. Q-TLIF technique introduction and application in lumbar degenerative diseases: **Qin H**
25. Traumatic Spine Injury - Portugal Epidemiology : **Reis J**

Discussion

10.30 – 10.40 **BREAK**

10.40 – 12.30 **HIP AND PELVIS**

Moderators: Tulić G, Bašćarević Z, Simić M, Bulatović N

1. Bernese peri-acetabular osteotomy with navigation and patient-specific templates is an effective and safe procedure. **Mihalič R**
2. Is Dorr A failure, more of septic rather than aseptic failure requiring one stage or two stage revision total hip replacement? : **Kanniyar K**
3. TiRobot combined with O-arm assisted screw placement for complex pelvic fractures. : **Wang P**

4. Using Of the Stoppa Approach for Complex Acetabular Fractures. **Bulatovic N**
5. The need for permanent compression of the site of fractures of the femoral neck is assumed by the DHS screw plate originally created for trochanteric fractures About 560 cases. : **Atia R**
6. Bilateral Total Hip Arthroplasty in Patient with Achondroplasia - Case Report. : **Jeremic D**
7. Characteristics and Clinical Significance of Dome Impaction in Acetabular Fractures. : **Wang P**
8. Toward 3D planning and patient specific guided corrections for complex proximal femur deformities in children and adolescents. : **Toumia M**
9. Intraoperative fluoroscopy time and operation time in pertrochanteric fractures internal fixation by Gamma Nail and Selfdynamizable Internal Fixator. : **Mitkovic M**
10. Primary Valgus Osteotomy For Acute Femoral Neck Fractures In Young Adults: Outcome And Complications. : **Gupta R**
11. The effect of new preoperative preparation method compared to conventional method in complex acetabular fractures: minimum 2 year follow up. : **Wang P**
12. Hip arthroscopy capsular closure versus unrepaired interportal capsulotomy in patients without femoroacetabular impingement. : **Medancic N**
13. Use of porous metal augments for solving bone defects of acetabulum in hip arthroplasty. : **Jovanović Ž**
14. Fractures of the acetabulum (posterior wall excluded): Anatomic- pathological aspects and treatment results in 299 cases. : **Atia R**
15. The role of X-ray in staging femoral head osteonecrosis: A systematic review and meta-analysis. : **Manea H**
16. The use of dexmedetomidine for pain relief after endoprosthetic surgery in patients with various types of coxarthrosis. : **Nasibova E**
17. Femoral anteversion assessment: 3D modelization insight. : **Toumia M**
18. Multimodal Neuroelectrophysiological Monitoring Combined with Robot- assisted Placement of Transiliac–Transsacral Screw for the Treatment of Transforaminal Sacral Fractures. : **Wang P**

12.30 – 13.00 PLENARY LECTURE 3 - SICOT

13.00 – 14.00 CLOSING CEREMONY - SICOT