



Poster List

Posters listed alphabetically by first Presenting Author last name

Title	Theme
A Simple, Novel Radiographic Tool for Assessing Elbow Bone Quality: Reliability and Computed Tomography Validation of the Radial Tuberosity Index Kutalmis Albayrak¹ , Christian Spross ² , Mark E. Morrey ³ , Matthijs Jacxsens ⁴ , Mustafa Tuzel ¹ , Gorkem Kayis ¹ , Bernhard Jost ⁴ ¹ Baltalimani Bone Diseases Training and Research Hospital, Istanbul, Turkey, ² Department of Orthopaedics and Traumatology, Stadtspital Zürich Triemli, Zurich, Switzerland, ³ Department of Orthopedic Surgery, Mayo Clinic, Rochester, USA, ⁴ Department of Orthopaedics and Traumatology, HOCH Health Ostschweiz, St. Gallen, Switzerland	Fractures
Long-Term Survivorship and Functional Outcomes of Arthroscopic Debridement for Primary Elbow Arthritis Fares Aljahdali¹ , Yousif Atwan ¹ , Mary Sun ¹ , Kenneth Faber ¹ , George Athwal ¹ , Prof Graham King¹ ¹ Western University, London, Canada	Arthroscopy
Is post-operative recovery of rotational stiffness of the elbow affected by the simultaneous treatment of extension-flexion stiffness? Mid-term comparative study of 87 patients operated on by a single surgeon Andrea Amura¹ , Beatrice Perciballi ¹ , Beatrice Caressa ¹ , Eleonora Tedeschi ¹ , Giuseppe Giannicola ¹ ¹ La Sapienza University of Rome, Rome, Italy	Other
Allograft Reconstruction vs Acute Primary Repair of Distal Biceps Tendon Ruptures: A Matched Cohort Comparison Armin Badre¹ , Dylan Holz ¹ , Raelee Phillips ¹ , Robert Chan ¹ , Michael Lapner ¹ , Matthew Furey ¹ ¹ Western Hand & Upper Limb Facility, University of Alberta, Edmonton, Canada	Other
Total elbow arthroplasty for unreconstructible distal humerus fracture sequelae in patients less than 40 years old. Long-term outcomes Giuseppe Bardellini¹ , Andrea Celli ¹ , Biagio Abate ¹ , Luigi Celli ¹ ¹ Shoulder and elbow Unit, Hesperia Hospital, Modena, Italy	Arthroplasty

Transposition of the local extensor fascia for elbow lateral collateral ligament reconstruction: results in a group of competitive athletes Giuseppe Bardellini¹, Angelo De Crescenzo², Marco Filipponi³, Michele Di Mauro⁴, Andrea Celli¹ ¹Shoulder and elbow Unit, Hesperia Hospital, Modena, Italy, ²Department of Orthopedics and traumatology, Miulli Hospital, Acquaviva delle Fonti, Italy, ³Department of Orthopedics and traumatology, Vito Fazzi Hospital, Lecce, Italy, ⁴Department of Orthopedics and traumatology, San Liberatore Hospital, Atri, Italy	Instability
Internal Joint Stabilizer (IJS) of the elbow. A monocentric study of 22 cases with a short- to mid-term follow-up: clinical, radiographic and histological findings Beatrice Caressa¹, Andrea Amura¹, Eleonora Tedeschi¹, Alessandro Quirino Petrucci¹, Mara Riminucci¹, Biagio Palmisano¹, Giuseppe Giannicola¹ ¹La Sapienza University of Rome, Rome, Italy	Instability
Medium- to long-term results of press-fit radial head arthroplasty in acute fractures and post-traumatic conditions Dr Andrea Amura¹, Dr Beatrice Caressa, Dr. Eleonora Tedeschi¹, Dr. Pasquale Sessa², Dr. Mattia Fabbri³ ¹La Sapienza University Of Rome, Rome, Italy, ²Ospedale San Camillo Forlanini, Rome, Italy, ³ospedale San Paolo Civitavecchia, Civitavecchia, Italy	Arthroplasty
Tailored Surgical Management of Chronic Unreduced Elbow Dislocation: A Three-Case Series Dr. zhong chen¹, Dr. Xin-Hao Li¹ ¹Sun Yat-sen Memorial Hospital, Sun Yat-sen University, guangzhou, China	Instability
Arthroscopic All-Suture Fixation of Kocher-Lorenz Fractures: Surgical Technique and Clinical Outcomes Ilaria Chiaramonte¹, Emma Poggi², Emanuela Marsilio³, Sara Padovani¹, Alessandra Colozza¹ ¹Ospedale Degli Infermi - Faenza, Italy, ²Ospedale Santa Maria della Misericordia, Udine, Italia, ³Ospedale San Giovanni di Dio e Ruggi d'Aragona, Salerno, Italia	Arthroscopy
The Clinical and Patient-reported Outcomes of Lateral Collateral Ligament Reconstructions of the Elbow Courtney-Ann Dennis¹, Noorzia Ahmadi¹, Akram Hagos¹, Zaid Hamoodi¹, Professor Joideep Phadnis¹ ¹Brighton And Sussex Medical School, United Kingdom	Instability
A Machine Learning Algorithm can Identify the Relationship between the Proximal Ulna and the Biceps Tuberosity Aaron Belanger^{1,2}, Jessica Mowbray^{1,2}, Fran Marciano^{1,2}, Yousif Atwan^{1,2}, Kenneth Faber^{1,2}, G Daniel Langohr^{1,2} ¹Roth Mcfarlane Hand and Upper Limb Centre, London, Canada, ²Western University, London, Canada	Basic Science

Elbow Hemiarthroplasty for Non-Reconstructable Distal Humerus Fractures: A Medium-Term Single-Centre Series <u>Sherif Fetouh</u>¹, Shintaro Nishijo¹, David Hargreaves¹, George Cox¹ ¹University Hospital Southampton NHS Foundation Trust, Southampton, United Kingdom	Arthroplasty
Headless Compression Screw Versus Locking Plate in 3-Part Radial Head and Neck Fracture Fixation: A Biomechanical Cadaver Study Kun Hui Chen^{1,2}, Grace Chaney¹, Hiroki Nishikawa^{1,3}, Ausberto Velasquez Garcia^{1,4}, Alexander Hooke¹, Dave Shukla^{1,5}, <u>James Fitzsimmons</u>¹, Shawn O'Driscoll¹ ¹Mayo Clinic, Rochester, United States, ²Division of Sport Medicine, Department of Orthopaedics and Traumatology, Taipei Veterans General Hospital, Taipei, Taiwan, ³Department of Orthopaedic Surgery, Showa University School of Medicine, Tokyo, Japan, ⁴Clinica Universidad de los Andes, Department of Orthopedic Surgery, Santiago, Chile, ⁵Mount Sinai Beth Israel Hospital, Brooklyn, United States	Basic Science
The Medial Gutter Portal Provides an Expanded Visible Working Distance for Posteromedial Elbow Arthroscopy: A Cadaveric Study Grace Chaney¹, Jiong Yu^{1,2}, Ausberto Velasquez Garcia^{1,3}, Hiroki Nishikawa^{1,4}, <u>James Fitzsimmons</u>¹, Shawn O'Driscoll¹ ¹Mayo Clinic, Rochester, United States, ²Department of Orthopedic Sports Medicine, Wuxi Ninth People's Hospital, Wuxi, China, ³Clinica Universidad de los Andes, Department of Orthopedic Surgery, Santiago, Chile, ⁴Department of Orthopaedic Surgery, Showa University School of Medicine, Tokyo, Japan	Basic Science
Comparison of the Diamond Pop-Up approach and van Gorder approach for total elbow arthroplasty: A biomechanical study of joint laxity Gaku Niitsuma^{1,2}, Masataka Minami^{1,4}, Valeria Vismara^{1,3}, Ausberto Velasquez Garcia^{1,4}, <u>James Fitzsimmons</u>¹, Mark Morrey¹, Kai-Nan An¹, Shawn O'Driscoll¹ ¹Mayo Clinic, Rochester, United States, ²Department of Orthopaedic Surgery, Showa University School of Medicine, Tokyo, Japan, ³Clinica Universidad de los Andes, Department of Orthopedic Surgery, Santiago, Chile, ⁴Department of Orthopaedics, Kyoto Prefectural University of Medicine, Kyoto, Japan, ⁵University of Milan, Milan, Italy	Basic Science
Clinical Impact of Radiographic Severity and Anatomical Location of Heterotopic Ossification on Elbow Flexion-Extension in Post-Traumatic Elbow Stiffness: A CT-Based Muscle-Guided Classification Study <u>Jia Guo</u>¹, In-Ho Jeon¹ ¹Asan Medical Center, Seoul, South Korea	Assessment

Trans-Olecranon Exposure for Rare Bipolar Elbow Fractures with Distal Humerus Involvement in Trans-ulnar fracture dislocations: A Case Series of Eight Patients Dr. Leopold Henssler¹, Dr. Lisa Klute¹, Miriam Zanklmaier¹, Prof. Volker Alt¹, Prof. Maximilian Kerschbaum¹ ¹University Hospital Regensburg, Regensburg, Germany	Fractures
Three-Dimensional Planned Distal Humerus Chevron Osteotomy for Post-Traumatic Cubitus Varus: A Retrospective Case Series with One-Year Functional Outcomes Celine Horsten^{1,2}, Eline van Es¹, Anna van der Windt¹, Christiaan van Bergen^{1,3}, Arno Macken², Denise Eygendaal¹, Joost Colaris¹ ¹Erasmus University Medical Centre, Rotterdam, The Netherlands, ²Tergooi Medical Centre, Hilversum, The Netherlands, ³Amphia, Breda, The Netherlands	Fractures
Outcomes OF Allograft Prosthetic Composite Reconstruction for Revision of Infected Total Elbow Arthroplasties with Massive Bone Loss Alexander Hysong¹, Alexander Oles¹, Jaques Williams¹, Micah Nieboer¹, Michael Persaud, Joaquin Sanchez-Sotelo¹, Mark Morrey¹ ¹Mayo Clinic, Rochester, United States	Arthroplasty
The Impact of Ankylosis Duration on Surgical Outcomes in Intra-articular Bony Ankylosis of the Elbow Treated with Arthroscopic Arthrolysis: An Analysis of 36 Patients Yao Jiaying¹, Erica Kholinne², Jianyuan Jiang¹, Jianguang Xu¹, Jiuzhou Lu¹ ¹Huashan Hospital, Fudan University, Shanghai, China, ²Universitas Trisakti, Jakarta, Indonesia	Arthroscopy
Biomechanical Performance of Cross-Compression Screw Fixation in Transcondylar Distal Humerus Fractures: A Finite Element Study Dr Amir Kachooei¹, Mario B. Gomez Toapanta², Jean-Michel Dhainaut², Dr. Roya Khorram¹, G. Russell Huffman¹, Victor A. Huayamave² ¹Rothman Orthopaedics, Orlando, United States, ²Embry-Riddle Aeronautical University, Daytona, United States	Fractures
Gradual Correction of Severe Congenital Radioulnar Synostosis Using a Hexapod Frame: A Case Report Lea Kessling¹, Jaap Tol¹, Eline Van Es¹, Denise Eygendaal¹, Christiaan van Bergen¹ ¹Erasmus MC, Sophia Children's Hospital, Rotterdam, Netherlands	Other
Patterns of Elbow Dislocation Treatment: A Descriptive Population-Based Study Using National Health Data Lisa Klute¹, Maximilian Kerschbaum Maximilian Kerschbaum¹, Kristina Gerhardinger¹, Volker Alt¹ ¹University Hospital of Regensburg, Regensburg, Germany	Instability

Development of a Three-Dimensional Modeling Method for Pediatric Elbow Cartilage Based on CT Attenuation Homogeneity Hiroki Kondo¹, Satoshi Miyamura¹, Ryoya Shiode¹, Syuya Kirimura¹, Ayaka Yasuda¹, Seiji Okada¹, Hiroyuki Tanaka¹, Tsuyoshi Murase², Kunihiro Oka¹ ¹Department of Orthopaedic Surgery, The University of Osaka Graduate School of Medicine, Osaka, Japan, ²Department of Orthopaedic Surgery, Belland General Hospital, Osaka, Japan	Basic Science
Considerations for Distal Biceps Tendon Rupture in Anabolic Steroid Users: Incidence, Treatment, and Outcomes Kaifeng Liang^{1,2}, Sirat Khan^{1,2} ¹Royal Free Hospital, London, United Kingdom, ²University College London Medical School, London, United Kingdom	Assessment
Surgical versus conservative management of lateral humeral condyle fractures in children: a systematic review and meta-analysis Wajeeh Ullah Mahmood¹, Akram Hagos¹, Omar Lubbad¹, James Atkinson¹, Zaid Hamoodi², Joideep Phadnis² ¹Brighton And Sussex Medical School, Brighton, United Kingdom, ²Department of Trauma and Orthopaedics, Royal Sussex County Hospital, Brighton, United Kingdom	Fractures
Feasibility and reliability of ultrasonography for diagnosis of acute elbow soft tissue injuries in children Maher Majdalani¹ ¹Linköping University, Linköping, Sweden	Assessment
Reported DAIR Success Versus First-Debridement Success in Elbow Periprosthetic Joint Infection: A Systematic Review and Meta-analysis Alex Mirkovic¹, Arkash Ponnudurai¹, Ciaran McDonald², Gregory Bain² ¹Flinders University, Bedford Park, Australia, ²Flinders Medical Centre, Bedford Park, Australia	Arthroplasty
Mechanical Stress-Driven Osteoarthritis in a “Non-Weight-Bearing” Elbow Joint: Three-Dimensional Analysis of Spatial Osteochondral Coupling Satoshi Miyamura¹, Syuya Kirimura¹, Ayaka Yasuda¹, Hiroki Kondo¹, Ryoya Shiode¹, Seiji Okada¹, Hiroyuki Tanaka¹, Kunihiro Oka¹ ¹Department of Orthopedic Surgery, The University of Osaka, Suita, Japan	Basic Science
Complications and Transfer Pathways in Open Elbow Fractures in a Major Trauma Centre: A Retrospective Cohort Study Rookmini Mukhopadhyay¹, Simone Castagno², Jonathan Cormack², Arushi Kabiraj¹, Niel Kang² ¹University of Cambridge, Cambridge, United Kingdom, ²Cambridge University Hospitals NHS Foundation Trust, Cambridge, United Kingdom	Fractures

Fragment tilt on CT scan and high fluid signal on Magnetic Resonance Imaging are independent risk factors for Osteochondritis Dissecans lesion instability through rocking horse mechanism Valeria Vismara ¹ , James Fitzsimmons ¹ , Shawn O'Driscoll¹ ¹ Mayo Clinic, United States	Arthroscopy
Early Clinical Outcomes of Patient-Specific 3D-Printed Custom Distal Humeral Implants in Complex Primary and Revision Total Elbow Arthroplasty: A Preliminary Case Series Dr Alexander Oles¹ , Dr Alexander Hysong ¹ , Dr Jaques Williams ¹ , Dr Joseph Tanenbaum ¹ , Michael Persaud ¹ , Dr Mark Morrey ¹ , Dr Micah Nieboer ¹ , Dr Joaquin Sanchez-Sotelo ¹ ¹ Mayo Clinic, Rochester, United States	Arthroplasty
Increasing Screw Density Reduces Distal Screw Fatigue Failure and Alters Failure Mechanics in Midshaft Humerus Bridge Plating Patrick Waldron ^{1,2} , Rob Gray ³ , Nathan Hoekzema ⁴ , Deana Mercer ⁵ , Jorge Orbay⁶ ¹ Larkin Hospital Department of Orthopaedic Surgery, Miami, United States, ² Miami Orthopaedic Research Foundation, Miami, United States, ³ North Shore University Health System, Chicago, United States, ⁴ UCSF Fresno Department of Orthopaedic Surgery, Fresno, United States, ⁵ University of New Mexico Department of Orthopaedic Surgery, Albuquerque, United States, ⁶ Miami Bone and Joint Institute, Miami, United States	Fractures
The clinical and radiological outcomes of arthroscopic treatment of osteochondritis dissecans of the capitellum with 'minced' autologous cartilage transplant Zaid Hamoodi ¹ , Fiona Bintcliffe ¹ , Rohit Gupta ² , Joideep Phadnis¹ ¹ University Hospitals Sussex NHS Foundation Trust, Brighton, United Kingdom, ² Ashford and St Peter's Hospital, Ashford, United Kingdom	Arthroscopy
Translation and Validation of the Dutch Version of the Patient-Reported Outcome of Fracture Healing (PROOF) Questionnaire for Pediatric Upper Extremity Fractures Maximiliaan Poppelaars^{1,2} , Iris Koenraadt-van Oost ² , Bertram The ² , Denise Eygendaal ¹ , Christiaan van Bergen ^{1,2} ¹ Erasmus Mc, Rotterdam, Netherlands, ² Amphia Hospital, Breda, Netherlands	Assessment
Outcomes of the Treatment of Posterolateral Rotatory Instability Using the Arthroscopic Imbrication Technique Felipe Reinares^{1,2} , Matias Croxatto ² , Franco Ghidini ² , Nicolas Rojas ² , Juan Jose Lecaros ² , Nicolas Zanolli ¹ , Daniel Paccot ^{1,2} ¹ Facultad de Medicina Clínica Alemana - Universidad del Desarrollo, Santiago, Chile, ² Hospital Clínico Mutual de Seguridad, Santiago, Chile	Arthroscopy

Mechanisms of Mechanical Failure in Total Elbow Arthroplasty: A Systematic Review of Retrieval and Clinical-Radiographic Evidence Jorge Rojas Lievano^{1,2}, Lina Maria Acosta³, Juan Felipe Becerra³, Guido Fierro-Porto^{1,2}, Juan Carlos González^{1,2} ¹Fundacion Santa Fe De Bogotá, Bogotá, Colombia, ²Universidad de los Andes, Bogotá, Colombia, ³Universidad del Rosario, Bogotá, Colombia	Arthroplasty
Current Practice of Elbow Arthroscopy in Latin America: A Cross-Sectional Survey of Orthopedic Surgeons with a Shoulder and Elbow Practice Interest Jorge Rojas Lievano^{1,2}, Henry Pulido Gonzalez¹, Hellen Echeverry³, Maria Jose Medrano², Guido Fierro-Porto^{1,2}, Juan Carlos Gonzalez^{1,2} ¹Fundacion Santa Fe De Bogota, Bogotá, Colombia, ²Universidad de los Andes, Bogotá, Colombia, ³Universidad del Rosario, Bogotá, Colombia	Arthroscopy
Long-term Clinical and Radiological Outcomes of Septic Arthritis of the Elbow in Children: Three Cases with up to 13 Years of Follow-up Lars Steenbekkers¹, Dr. Christiaan J.A. van Bergen¹ ¹Department of Orthopedic Surgery, Amphia Hospital, Breda, Netherlands	Other
MRI Analysis of the Development and Ossification of the Coronoid Process in Children Labib Syed¹, James Murray³, Rosie Broadbent⁴, Habib Syed², Abdulwahab Shamsaldin⁵, Andrea Chan⁵, Margo Dirckx³, Professor Joideep Phadnis² ¹East Sussex Health Care NHS Trust, Hastings, United Kingdom, ²University Hospitals Sussex NHS Foundation Trust, Brighton, United Kingdom, ³Barnsley Hospital NHS Foundation Trust, Barnsley, United Kingdom, ⁴Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, United Kingdom, ⁵The Hospital for Sick Children, Toronto, Canada	Other
Isolated Fractures of One Column (Medial or Lateral) of the Distal Humerus: Outcomes After Open Reduction and Internal Fixation Katrina Pfaffenbach¹, Elsa Diaw¹, Jaques Williams, Jr.¹, Mark Morrey¹, Shawn O'Driscoll¹, Joaquin Sanchez-Sotelo¹, Jennifer Tangtiphaiboon¹ ¹Mayo Clinic, Rochester, United States	Fractures

Outcomes of Nonoperative Management for Simple Transcondylar Distal Humerus Fractures with Mean 5–Year Patient Reported Outcomes Katrina Pfaffenbach¹, Victoria Oladipo¹, David Kufner¹, Shawn O’Driscoll¹, Mark Morrey¹, Joaquin Sanchez-Sotelo¹, Krystin Hidden¹, Brandon Yuan¹, Jennifer Tangtiphaibontana¹ ¹Mayo Clinic, Rochester, United States	Fractures
Clinical Outcomes and Recurrence After Surgical Treatment of Snapping Triceps Syndrome with Ulnar Nerve Instability: A Multicenter Study Kathi Thiele¹, Jörg Weber³, Hans-Jörg Bülow⁴, Kadantsev Pavel⁵, Christian Schoch⁶, Stefan Greiner⁹, Valentin Rausch⁷, Michael Hackl⁸, Klaus Burkhart² ¹Vivantes, Berlin, Germany, ²Diakonie Klinik Stuttgart, Stuttgart, Germany, ³Gelenkzentrum Rostock, Rostock, Germany, ⁴Orthopädische Klinik Markgröningen, Markgröningen, Germany, ⁵TUM Universitätsklinikum, München, Germany, ⁶St. Vinzenz Allgäu, Pfronten, Germany, ⁷Uniklinik Köln, Köln, Germany, ⁸Uniklinik Mannheim, Mannheim, Germany, ⁹Sporthopaedicum Regensburg, Regensburg, Germany	Other
A Computed Tomography Based Method for Pre-operative Implant Sizing in Distal Humerus Hemiarthroplasty Amir Varasteh¹, Akram Hagos¹, Zaid Hamoodi¹, Joideep Phadnis¹ ¹University Hospital Sussex NHS Foundation Trust, Brighton, United Kingdom	Arthroplasty
Intra-Articular (Salter–Harris III and IV) Radial Head Fractures in the Skeletally Immature Patient: Lessons Learnt from Twenty Cases Kemble Wang^{1,2}, Dr Fiachra Power², Professor Eugene Ek² ¹Melbourne Orthopaedic Surgeons, Melbourne, Australia, ²Royal Children's Hospital, Melbourne, Australia	Fractures
Ligament reconstruction around the elbow with synthetic grafts or autograft: a retrospective observational study Adam Watts^{1,2}, Eva Grice¹ ¹Edge Hill University, Ormskirk, United Kingdom, ²Wrightington Hospital, Wigan, United Kingdom	Instability
Factors Affecting Patient Reported Outcome Measures and Complication Rates in Plate Fixation for Olecranon Fractures: A Single Trust Study Amelia Wild¹, Madeleine Bickley², Pantelis Tsantanis², Paresh Sonsale² ¹University of Birmingham, United Kingdom, ²University Hospitals Birmingham, Birmingham, United Kingdom	Fractures

Total Elbow Arthroplasty for Severe Primary Elbow Osteoarthritis: Clinical Outcomes of a Modified Alonso-Llames Approach <u>Ye Xie</u>¹ ¹ The Second Affiliated Hospital of Soochow University, Suzhou, China	Arthroplasty
---	--------------