

## **Top 10 Papers *and* Posters in Each Classification**

[Adult Reconstruction Hip](#)

[Adult Reconstruction Knee](#)

[Foot and Ankle](#)

[Hand and Wrist](#)

[Pediatrics](#)

[Practice Management/Rehab](#)

[Shoulder and Elbow](#)

[Spine](#)

[Sports Medicine/Arthroscopy](#)

[Trauma](#)

[Tumor and Metabolic Disease](#)

## **Top 10 Papers *and* Posters in Adult Reconstruction Hip**

### **Top 10 AR Hip Papers:**

[Paper 166: Hypoalbuminemia Predicts Joint Infection, Pneumonia, and Readmission After Total Joint Arthroplasty](#)

[Paper 172: Which Hospital and Clinical Factors Drive 30-Day Readmission after Total Hip Arthroplasty?](#)

[Paper 406: A Multi-Center, Prospective, Randomized Study of Outpatient versus Inpatient Total Hip Arthroplasty](#)

[Paper 407: Same Day Total Hip Arthroplasty Performed at an Ambulatory Surgical Center: 90-Day Complication Rate on 549 Patients](#)

[Paper 413: Are All Cemented Stems the Same?](#)

[Paper 416: Direct Anterior Approach Does Not Reduce Dislocation Risk](#)

[Paper 419: Muscle Biomarkers are Not an Objective Surrogate Measure of Surgical Invasiveness after Contemporary THA](#)

[Paper 600: Are Patient-Reported Outcomes Different After Anterior Versus Posterior Approach to Total Hip Arthroplasty?](#)

[Paper 904: Screening Protocol and Incidence of Adverse Reaction to Metal Debris: A Systematic Review and Meta-Analysis](#)

[Paper 912: Discharge Trends in Medicare Patients Undergoing Primary Total Hip and Total Knee Arthroplasties](#)

**Top 10 AR Hip Posters:**

[P022: Decreased Osteogenic Activity of Stem Cells in Patients with Corticosteroid Induced Osteonecrosis](#)

[P023: Normal Morphology Precludes the Development of Hip Osteoarthritis - Analysis of a Longitudinal Population Cohort](#)

[P029: Distal Extension of the Direct Anterior Approach to the Hip - A Cadaveric Feasibility Study](#)

[P034: Total Hip Arthroplasty Outcomes Directly Associated with Spine Disability](#)

[P037: In-Hospital Mortality in Patients with Periprosthetic Joint Infection](#)

[P038: Culture Negative Periprosthetic Joint Infection: An Update on What to Expect](#)

[P047: Using the Circle Theorem to Estimate Acetabular Version from a Single Antero-Posterior Hip Radiograph](#)

[P048: Resource Utilization and Medicare Reimbursement for Conversion and Primary Total Hip Arthroplasty](#)

[P049: Effect of Smoking on Postoperative Complications after Total Hip Arthroplasty: A Propensity Score Matched Analysis](#)

[P050: Anatomic Hip Center Decreases 20-Year Acetabular Component Loosening in Cemented Crowe-II THAs](#)

## **Top 10 Papers *and* Posters in Adult Reconstruction Knee**

### **Top 10 AR Knee Papers:**

[Paper 062: Is Synovectomy Necessary in Total Knee Arthroplasty with Rheumatoid Arthritis?](#)

[Paper 074: Thick or Thin? Patellar Thickness: The Influence on Motion and Complications after Total Knee Arthroplasty](#)

[Paper 226: Smoking Increases the Risk of Surgical Site Infection Following Total Knee Arthroplasty](#)

[Paper 227: Routine Workup of Patients with Postoperative Pyrexia following Total Joint Arthroplasty is Not Necessary](#)

[Paper 230: Does Timing of Previous Intra-Articular Steroid Injection Affect Postoperative TKA Infection Rates?](#)

[Paper 233: D-dimer: A Potential Serum Biomarker for Diagnosis of Periprosthetic Joint Infection](#)

[Paper 236: Oral Antibiotics Reduce Reinfection Following 2-Stage Exchange: A Multi-Center, Randomized Controlled Trial](#)

[Paper 305: Which Hospital and Clinical Factors Drive 30-Day Readmission after Total Knee Arthroplasty?](#)

[Paper 308: Inpatient Falls after Total Knee Arthroplasty: Outcomes and National Trends](#)

[Paper 310: Complication Rates after Total Hip and Knee Arthroplasty in Patients with Hepatitis C Compared to Matched Controls](#)

**Top 10 AR Knee Posters:**

[P106: Hip and Knee Arthroplasty in a Safety Net Hospital: Not So Safe?](#)

[P108: Inflammation and the Discrepancy Between Radiography and Pain in Patients with Knee Osteoarthritis](#)

[P110: Mid-Term Results of Total Hip and Total Knee Arthroplasty in Patients with HIV](#)

[P111: Muscular Architecture of the Posterior Knee and the Basic Science Implications](#)

[P113: Impact of Age on Patient-Reported Outcome Measures in Total Knee Arthroplasty \(TKA\)](#)

[P114: Do We Really Need Routine Inpatient Predischarge Radiographs After Simple Primary Total Knee Replacement?](#)

[P115: The Value of Using a Skin Knife in Orthopaedic Surgery - Myth or Necessity?](#)

[P180: Regional Intraosseous Delivery of Prophylactic Antibiotics Effective in a Mouse Model of Total Knee Arthroplasty](#)

[P190: Effectiveness of Liposomal versus Plain Bupivacaine in Total Knee Arthroplasty](#)

[P191: The Effect of Age on Postoperative Outcomes following Total Knee Arthroplasty](#)

## **Top 10 Papers *and* Posters in Foot and Ankle**

### **Top 10 Foot and Ankle Papers:**

[Paper 257: Preoperative Narcotic and Alcohol Use are Risk Factors for Complication in Ankle and Hindfoot Reconstruction](#)

[Paper 261: Psychosocial Risk Factors of Postoperative Pain in Ankle and Hindfoot Reconstruction](#)

[Paper 264: Cost-Effectiveness of Routine Pharmacologic DVT Prophylaxis Following Select Foot and Ankle Surgeries](#)

[Paper 270: Intramedullary Nailing versus External Ring Fixation for Tibiotalocalcaneal Arthrodesis in Charcot Arthropathy](#)

[Paper 744: Does Physical Therapy Predict Outcomes after Ankle Fractures and Ankle Fracture Dislocations?](#)

[Paper 746: Open Ankle Fractures: What Predicts Infection?](#)

[Paper 789: The Prevalence, Risk Factors, and Natural History of Unexplained Pain After Hallux Valgus Corrective Surgery](#)

[Paper 791: Intermediate-Term Results Of Metatarsal Dorsiflexion Osteotomy As Salvage Procedure for Advanced Hallux Rigidus](#)

[Paper 794: Abnormal Metatarsal Parabola is Associated with Progressive 2nd Metatarsophalangeal Joint Plantar Plate Injury](#)

[Paper 795: Results of the Dorsal Approach Plantar Plate Repair with a Weil Metatarsal Osteotomy: A Two-Year Follow-Up Study](#)

**Top 10 Foot and Ankle Posters:**

[P206: Tranexamic Acid Reduces Postoperative Morbidity in Patients Undergoing Foot and Ankle Surgery](#)

[P207: Orthopaedic Foot and Ankle Surgeons' Approach to Elective Surgery in the Smoking Patient Population: A Survey Study](#)

[P209: Short-Term Outcomes and Influencing Factors After Ankle Fracture Surgery](#)

[P210: Increasing Stiffness of Syndesmosis Causes Abnormal Talar Displacement and Joint Contact in Cadaveric Model](#)

[P214: Fixed Bearing Versus Mobile Bearing Total Ankle Replacement: A Comparative Study in 179 Patients](#)

[P215: Outcomes and Complications of Four Total Ankle Replacement: A Comparative Study](#)

[P216: Comparison Outcomes of Total Ankle Replacement With and Without Achilles Tendon Lengthening](#)

[P219: Comparison Outcomes and Complications of Patients Who Underwent Haglund's Deformity Correction](#)

[P221: Driving and Emergency Braking May Be Impaired after Foot Arthrodesis: Conclusions after a Case Series](#)

[P225: The Basset Ligament is NOT Abnormal](#)

## **Top 10 Papers *and* Posters in Hand and Wrist**

### **Top 10 Hand and Wrist Papers:**

[Paper 106: Effects of Pain-Coping Strategies on Joint Stiffness and Functional Outcomes in Patients with Hand Fractures](#)

[Paper 113: Nonoperative Treatment for Displaced Intraarticular Distal Radius Fractures in 'Low Demand' Elderly Patients](#)

[Paper 117: Is Distal Radius Malunion Truly Asymptomatic in the Older Patient?](#)

[Paper 118: Ulnar Shortening vs. Distal Radius Osteotomy for Ulnar Impaction after Distal Radius Malunion](#)

[Paper 278: Outcome of Nerve Transfer versus Nerve Graft in Proximal Ulnar Nerve Injuries to Restore Intrinsic Hand Function](#)

[Paper 279: Matched-Diameter Decellular Allograft vs. Cabled Sural Nerve Autograft Reconstruction in a Rat Nerve Defect Model](#)

[Paper 280: Do Surgeons Agree on What Constitutes Tension at Nerve Repair Sites?](#)

[Paper 489: Proximal Interphalangeal Joint Arthroplasty for Inflammatory Arthritis: An Implant Comparison Analysis](#)

[Paper 490: Outcomes of a Cementless Thumb Basal Joint Hemiarthroplasty for Treatment of Trapeziometacarpal Osteoarthritis](#)

[Paper 491: Reconstruction of Annular Pulleys of the Hand Flexor Tendon Sheath Using Flexor Digitorum Superficialis Tendon](#)



**Top 10 Hand and Wrist Posters:**

[P226: Outcome Assessment after Aptis Distal Radioulnar Joint \(DRUJ\) Implant Arthroplasty](#)

[P227: Optimal Position for Fusion of the Proximal Interphalangeal Joint of the Border Digits](#)

[P228: Which Immobilization is Better for Distal Radius Fracture? A Prospective Randomized Study](#)

[P229: Novel Sigmoid Notch Radiographic View: Evaluating the Articular Surface of the DRUJ and Preventing Screw Breach](#)

[P230: Deformity and Disability in Rheumatoid Hand Progress Despite Disease Control: 10-Year Follow Up](#)

[P231: Adherence to AAOS and ARHQ Quality Guidelines is Not Required for Successful Treatment of Carpal Tunnel Syndrome](#)

[P232: Do Distal Radius Fractures Shift After External Fixation?](#)

[P238: Baseline Characteristics of the Median Nerve on Ultrasound Examination](#)

[P239: Vascularized Bone Grafting in Scaphoid Nonunion: A Review of Patient-Centered Outcomes](#)

[P240: The Arkansas Hand Trauma Telemedicine System: A Review of the First Year](#)

## **Top 10 Papers *and* Posters in Pediatrics**

### **Top 10 Pediatrics Papers:**

[Paper 093: Preventing DJK by Applying the Stable Sagittal Vertebra Concept to Selective Thoracic Fusion in AIS](#)

[Paper 095: More Than Just Early Discharge: Improving the Value and Quality of Care Post Spinal Fusion for Idiopathic Scoliosis](#)

[Paper 242: Flexible Intramedullary Nails for Femur Fractures in Pediatric Patients Heavier than 100 Pounds](#)

[Paper 244: The Lost Art of Fracture Reduction: Development and Validation of a Distal Radius Fracture Reduction Casting Model](#)

[Paper 250: The Effects of Periacetabular Osteotomy-Induced Changes in Joint Mechanics on Short-Term Patient Outcomes](#)

[Paper 254: Does Perfusion MRI Following Closed Reduction of DDH Reduce the Incidence of Avascular Necrosis?](#)

[Paper 798: Mobilization of a Congenital Radio-Ulnar Synostosis with a Free Vascularized Fascio-Fat Graft](#)

[Paper 801: Improving Bone Healing in Neurofibromatosis: A Study in Mice](#)

[Paper 808: The Association Between Tibia-Femur Length Ratio and Osteoarthritis](#)

[Paper 809: Reliability of a Modified Complication Classification System in Pediatric Orthopaedic Patients](#)

**Top 10 Pediatrics Posters:**

[P241: Perioperative and Delayed Major Complications Following Surgical Correction of AIS in 3,530 Patients](#)

[P243: Obesity Results in Larger Curves and Worse Surgical Outcomes in Adolescent Idiopathic Scoliosis](#)

[P245: 3D-MRI Analyses of Femoral Head Sphericity in Patients with Developmental Dysplasia of the Hip Under Two Years Old](#)

[P246: Correlation Between Hip Arthroscopy and Magnetic Resonance Imaging \(MRI\) in Children with Perthes Disease](#)

[P247: Reliability and Validity of the Duncan-Ely Test for Assessing Rectus Femoris Spasticity in Cerebral Palsy](#)

[P250: Effect of Tunnel Angle and Reamer Size on Physeal Defect in Transphyseal Anterior Cruciate Ligament Reconstruction](#)

[P251: Pavlik Method Failure Rises Over Age Three Months and in Severe Hip Types in Developmental Hip Dysplasia](#)

[P252: Vascular Examination Predicts Functional Outcomes in Supracondylar Humerus Fractures: A Prospective Study](#)

[P254: Patients' Perceptions of Breast Asymmetry Improve after Spinal Fusion for Adolescent Idiopathic Scoliosis](#)

[P258: Adolescents Maintain Hip Strength and Function Five Years Following a Ganz Periacetabular Osteotomy](#)

## **Top 10 Papers *and* Posters in Practice Management/Rehab**

### **Top 10 Practice Management/Rehab Papers:**

[Paper 181: Incorporating Hip Fracture Hemiarthroplasty into a Bundled Payment System for TJA is Not Economically Viable](#)

[Paper 182: Impact of Medicaid Expansion on Academic Practice Management in Elective Orthopaedics](#)

[Paper 331: Incidence of Unplanned Admission from an Outpatient Orthopaedic Surgery Center](#)

[Paper 334: Medicare Hospital Acquired Conditions Policy: A Problem of Non-Payment After Total Joint Arthroplasty](#)

[Paper 339: 3-Dimensional Visual Aids on Patient Satisfaction in Orthopaedic Consent: A Randomized Controlled Trial](#)

[Paper 343: The Silent Money Pit - The Cost of Poorly Managed Central Supply](#)

[Paper 856: Does Admission to Medicine or Orthopaedics Impact a Geriatric Hip Patients' Hospital Length of Stay?](#)

[Paper 861: Kidney Injury After Antibiotic Cement Spacer Implantation for Prosthetic Joint Infection](#)

[Paper 865: Physician-Owned Hospitals: Are the ACA Restrictions Warranted in 2015?](#)

[Paper 868: Analyses of 22,833 Orthopaedic Surgeons: Scores from Two Major Physician-Rating Websites](#)

**Top 10 Practice Management/Rehab Posters:**

[P261: Academic Characteristics of Orthopaedic Surgery Residency Applicants from 2007 to 2014](#)

[P262: End Tidal Carbon Dioxide \(ETCO<sub>2</sub>\) Predicts Pulmonary Embolism in Postoperative Orthopaedic Patients](#)

[P263: Integrating Musculoskeletal Education and Patient Care at Medical Student-Run Free Clinics](#)

[P264: Large Disparities in Industry Payments to Orthopaedic Surgeons Seen in Sunshine Act Data](#)

[P265: Falls Among Hospitalized Orthopaedic Patients: A Prospective Case-Control Study](#)

[P266: Alignment of Venous Thromboembolism Prophylaxis Guidelines: Impact on Surgeon Prescribing for Knee Arthroplasty](#)

[P269: What is it that Orthopaedics Residents Do All Day?](#)

[P270: A 20-Year Retrospective Review of the Infection and Quality Control of a Hospital-Based Allogenic Bone Bank](#)

[P275: Bisphosphonates Reduced the Risk of Total Knee Arthroplasty in Patients with Osteoarthritis](#)

[P276: A Validation Study of Patient-Reported Outcome Measures for Patients with Upper Extremity Morbidity](#)

## **Top 10 Papers *and* Posters in Shoulder and Elbow**

### **Top 10 Shoulder and Elbow Papers:**

[Paper 081: Arthroscopic Capsular Release versus Manipulation under Anesthesia in the Management of Adhesive Capsulitis](#)

[Paper 287: Reverse Total Shoulder Arthroplasty Outcomes With and Without Repair of the Subscapularis](#)

[Paper 292: Prediction of Scapular Notching using 3D CT Simulation Software and Video-Based Motion Analysis](#)

[Paper 293: Comparison of Outcomes with Reverse Total Shoulder Arthroplasty in Patients With and Without Scapular Notching](#)

[Paper 346: Long-Term MRI Findings and Functional Outcome After Arthroscopic Rotator Cuff Repair: Mean 8-Years Follow-Up Study](#)

[Paper 359: Superior Capsule Reconstruction for Irreparable Rotator Cuff Tear: A Prospective Study in 100 Consecutive Patients](#)

[Paper 646: Resilience Correlates to Outcomes after Total Shoulder Arthroplasty](#)

[Paper 871: Revision Rotator Cuff Repair with Mesenchymal Stem Cells Decreases Subsequent Revision Risk](#)

[Paper 881: Reduction of Lipid Accumulation and Fibrosis after Rotator Cuff Repair](#)

[Paper 882: Effect of Hypercholesterolemia on Fatty Infiltration and Healing in a Chronic Rotator Cuff Tear Model of Rabbit](#)

**Top 10 Shoulder and Elbow Posters:**

[P283: Surface Glenoid Area in Latarjet-Patte and Congruent Arc in Virtual Model](#)

[P292: Interactions between Reverse Shoulder Arthroplasty Implant Variables and their Effects on Muscle and Joint Load](#)

[P293: Is There an Association Between the Critical Shoulder Angle and Clinical Outcome after Rotator Cuff Repair?](#)

[P294: Comparison of 3D Scapular Glenohumeral Kinematics of Symptomatic and Asymptomatic Rotator Cuff Tears](#)

[P309: Reverse Total Shoulder Replacement in Patients with Weight-bearing Shoulders on Wheelchair or Walking Aids](#)

[P315: Pain Control after Total and Reverse Shoulder Arthroplasty: Interscalene Block vs. Liposomal Bupivacaine](#)

[P316: General or Regional Anesthesia for Total Shoulder Arthroplasty: A Comparison of Perioperative Outcomes](#)

[P317: Cardiovascular Complication Following Shoulder Arthroplasty: Incidence, Associated Factors, and Mortality](#)

[P325: Shoulder Arthroplasty for Locked Anterior Dislocation of the Shoulder](#)

[P332: Modification of the Walch Classification: Defining New Types of Glenoid Pathology in Advanced Osteoarthritis](#)

## **Top 10 Papers *and* Posters in Spine**

### **Top 10 Spine Papers:**

[Paper 053: A Novel Index for Quantifying the Surgical Risk for Patients with Cervical Spine Disorders](#)

[Paper 212: Prospective Multicenter Assessment of Intra- and Perioperative Complication Rates Associated with ASD Surgery](#)

[Paper 213: Effect of Complications on the Patient-Reported Outcomes after Elective Surgery for Lumbar Degenerative Disease](#)

[Paper 214: Extensive Corrective Fixation Surgeries for Adult Spinal Deformity Improve Gait Posture and Gait Ability](#)

[Paper 215: Shilla Growing Rods with Greater than Five Years of Follow Up: Curve and Implant Characteristics](#)

[Paper 216: Drop Foot Due to Lumbar Degenerative Disease: Surgical Outcome and Prognostic Factors](#)

[Paper 218: Incidence of Complications After Therapeutic Anticoagulation in the Spine Trauma Patient](#)

[Paper 224: Radiographic Variability Among Scheuermann's Kyphosis Patients: Appreciating Differences of the Deformity](#)

[Paper 556: Do Epidural Injections Prior to Lumbar Fusions Affect Postoperative Infection and Intraoperative Durotomy Rates?](#)

[Paper 623: Pelvic Incidence: An Anatomic Investigation of 880 Cadaveric Specimens](#)



**Top 10 Spine Posters:**

[P344: Unilateral versus Bilateral Instrumentation in Transforaminal Lumbar Interbody Fusion: A Meta-Analysis](#)

[P362: Sagittal Spinal Alignment and Balance in Diffuse Idiopathic Skeletal Hyperostosis: A Population based Cohort Study](#)

[P365: Super Obesity \(BMI 50kg/m<sup>2</sup>\) and Complications after Posterior Lumbar Spine Fusion](#)

[P367: Validation of the Substantially Touched Vertebra as the LIV in Thoracic Major Curves with AR Lumbar Modifiers](#)

[P377: Does Transforaminal Lumbar Interbody Fusion Protect Against Early Pedicle Screw Loosening?](#)

[P385: Is the SRS Membership Accurately Reporting Data?: A Comparison of the SRS and NSQIP Databases](#)

[P387: The American College of Surgeons Risk Model Poorly Predicts Outcomes after Anterior Lumbar Surgery](#)

[P391: Novel Index to Quantify the Surgical Risk in Adult Spinal Deformity: 10,912 Patients from National Inpatient Sample](#)

[P392: Cost per Quality Adjusted Life Years Gained of Degenerative Lumbar Spine Surgery in Elderly Patients](#)

[P393: Increased Periostin Expression is Associated with Hypertrophy of Ligamentum Flavum in Lumbar Spinal Stenosis](#)

## **Top 10 Papers *and* Posters in Sports Medicine/Arthroscopy**

### **Top 10 Sports Medicine/Arthroscopy Papers:**

[Paper 016: What is Platelet-Rich Plasma \(PRP\) Really Doing to Tendon Fibroblasts?](#)

[Paper 029: Stem Cell Mobilization and Changes in Articular Cartilage Morphology following Anterior Cruciate Ligament Rupture](#)

[Paper 323: The Natural History of Primary Anterior Glenohumeral Joint Dislocation in Adolescent Patients](#)

[Paper 365: Immediate Weight Bearing vs. Protected Weight Bearing Following Meniscal Repair Greater than 5 Years Post Surgery](#)

[Paper 370: Allogeneic Mesenchymal Stem Cells are Safe and Stimulate Cartilage Repair upon Co-Implantation with Chondrons](#)

[Paper 421: A Five-Year Prospective Randomized Study of Anatomic Single vs. Double Bundle ACL Reconstruction](#)

[Paper 433: Randomized Clinical Evaluation of Anterior Cruciate Ligament Reconstruction Grafts](#)

[Paper 713: Interposition Porcine Dermal Matrix Xenografts: An Alternative to Traditional Treatment of Massive Cuff Tears](#)

[Paper 776: The Bereiter Trochleoplasty: Results and Outcomes of a 12-Year Series](#)

[Paper 850: Comparison of Osteochondral Autografts and Allografts for Treatment of Talar Osteochondral Lesions](#)

**Top 10 Sports Medicine/Arthroscopy Posters:**

[P419: Elbow Arthroscopy for the Treatment of Rheumatoid Arthritis: Functional Outcomes and Complications](#)

[P420: The Cost-Effectiveness of Anterior Cruciate Ligament Reconstruction in Competitive Athletes](#)

[P425: Analysis of 2,019 ACL Reconstruction Revisions from a Community-Based Registry](#)

[P430: Anterior Cruciate Ligament Graft Metabolic Activity Assessed by PET-MRI](#)

[P434: Increased Risk of Second Anterior Cruciate Ligament Injury for Female Soccer Players](#)

[P435: A Randomized Controlled Trial with 16-Year Follow Up After Anterior Cruciate Ligament Reconstruction](#)

[P439: Periarticular Injection Versus Femoral Nerve Block for Pain Control After ACL Reconstruction](#)

[P441: Donor Age Does Not Effect Clinical Outcomes of Allograft Anterior Cruciate Ligament Reconstruction](#)

[P442: Increased Risk of ACLR Revision with Soft Tissue Allograft: Time and Graft Processing Make a Difference](#)

[P456: A Safe Surgical Technique Performed for Thoracic Outlet Syndrome in Athletes](#)

## **Top 10 Papers *and* Posters in Trauma**

### **Top 10 Trauma Papers:**

[Paper 033: Combined Randomized and Observational Study of Surgery for Type B Ankle Fracture Treatment \(CROSSBAT\)](#)

[Paper 035: Weight Bearing After Open Reduction and Internal Fixation of Ankle Fractures](#)

[Paper 124: A Predictive Model of Tibial Shaft Fracture Nonunion at the Time of Definitive Fixation](#)

[Paper 125: Low Intensity Pulsed Ultrasound in Acute Tibial Shaft Fractures Treated with IM Nails: The Results of the TRUST Trial](#)

[Paper 206: Comparing Acute with Delayed Total Hip Arthroplasty for Medicare Patients with Acetabular Fractures](#)

[Paper 443: Low Dose CT Scanogram for Measurement of Femoral Version](#)

[Paper 447: The Impact of Time to Surgery for Polytraumatic Femur Fractures on In-Hospital Morbidity and Mortality](#)

[Paper 448: Is it Safe to Operate on Therapeutically Anticoagulated Hip Fractures?](#)

[Paper 550: A Prospective Randomized Trial of Non-Operative Versus Operative Management of Olecranon Fractures in the Elderly](#)

[Paper 686: Percutaneous Transplantation of Bone Marrow Granulocytes Precursors Cells for Infected Tibial Non-Union](#)

**Top 10 Trauma Posters:**

[P476: Management of Severe Open Tibial Fractures Using Circular Hexapod Frames](#)

[P478: A Comparison of Femur Lengthening with a Magnetic Internal Lengthening Nail versus Lengthening Over a Nail](#)

[P512: Experimental Modification of Masquelet's Technique by Use of Conditioned Media Produced by Mesenchymal Stem Cells](#)

[P514: Fatigue Strength of the Proximal Tibia Donor Site after Extensive Bone Grafting](#)

[P515: Is a Postoperative Chest X-ray Needed After Fixation of Clavicle Fractures in Trauma Patients?](#)

[P517: Topical Vancomycin Powder Decreases the Incidence of S. aureus in Operatively Treated Fractures](#)

[P519: An Osseointegrated Percutaneous Prosthetic System for Treatment of Transfemoral Amputees: A Prospective Follow Up](#)

[P520: Efficacy of Electrical Stimulators for Bone Healing: A Meta-Analysis of Sham-Controlled Randomized Trials](#)

[P522: Do We Really Understand the Patient Populations in National Database When Doing Trauma Research?](#)

[P523: Does Radiation Therapy Decrease Heterotopic Ossification After Posterior Approach for Acetabular Fracture?](#)

## **Top 10 Papers *and* Posters in Tumor/Metabolic Disease**

### **Top 10 Tumor/Metabolic Disease Papers:**

[Paper 139: Risk Factors for Acute Postoperative Mortality following Surgery for Spinal Metastases](#)

[Paper 144: Infection After Surgical Resection for Pelvic Bone Tumors: An Analysis of 274 Cases from a Single Institution](#)

[Paper 146: Doxycycline Attachment to Bone Allograft Protects Against Bacterial Colonization and Biofilm Formation](#)

[Paper 511: The Variability in Surgical Margin Reporting in Limb Salvage Surgery for Sarcoma](#)

[Paper 513: Multi-institutional Study of a New Limb Salvage Surgery Using Acridine Orange in Patients with Bone Sarcomas](#)

[Paper 514: Efficacy of Fluorescence-Guided Surgery on Primary Human Osteosarcoma](#)

[Paper 518: Commercial Activity Monitor for Assessing Free-Living Pediatric Osseous Malignancy Limb Salvage](#)

[Paper 520: Resection of Bone Sarcoma using 3D Printed Guides: Improving Accuracy by Accounting for Soft Tissue](#)

[Paper 521: Augmented-Reality Assistance in Bone Tumor Surgery](#)

[Paper 522: Influence of Fixation Method and External Beam Irradiation on the Pathway and Efficacy of Fracture Healing](#)

**Top 10 Tumor/Metabolic Posters:**

[P541: Ten Years of Cases from Recently Trained Tumor Fellows: An Analysis of the ABOS Part II Database](#)

[P542: Joint-Preserving Reconstruction of Osteosarcoma with Tumor-Bearing Bone Treated by Liquid Nitrogen](#)

[P543: Minimally Invasive Surgery Using a Hydroxyapatite Cannulated Pin for Simple Bone Cysts](#)

[P544: Usefulness of Increased Fluorodeoxyglucose Uptake for Detecting Local Recurrence in Osteosarcoma](#)

[P545: Bone Bank, Allobone Graft, Bone Bank Processing](#)

[P546: Symptomatic Small Schwannoma Is A Risk Factor For Postoperative Neurological Deficits: Retrospective Cohort Study](#)

[P548: A Prospective Surgical Treatment Protocol of Pathological Proximal Femur Fractures](#)

[P549: Prognostic Factors and Outcomes of Dedifferentiated Chondrosarcoma - A Single Institution Experience](#)

[P551: Outcomes of Distal Femur Replacement with or without Patellar Resurfacing After Resection of the Distal Femur](#)

[P555: Tumor Recurrence After the Use of Frozen Tumor-Bearing Autograft During Total En Bloc Spondylectomy](#)