The American Board of Orthopaedic Surgery
Web-Based Longitudinal Assessment
ABOS WLA

2024 Knowledge Sources
2024 ABOS Required Knowledge Source


2023 ABOS Required Knowledge Source

1. Electronic Patient-Reported Outcome Collection Systems in Orthopaedic Clinical Practice
   Lizzio V, Dekhne M, Makhni E

2022 ABOS Required Knowledge Source

1. Diagnosis and Treatment of Osteoporosis: What Orthopaedic Surgeons Need to Know.
   Matzkin E, DeMaio M, Charles J, Franklin C.
General Principles

   Traven S, Brinton D, Woolf S, Leddy L, Gottschalk M, Slone H.

2. Shared Decision-making in Orthopaedic Surgery.
   Wilson C, Probe R.

3. The Role of Mentoring in the Development of Successful Orthopaedic Surgeons.
   Mulcahey M, Waterman B, Hart R, Daniels A.

4. Social Media Use for Orthopaedic Surgeons.
   Jildeh T, Okoroha K, Guthrie S, Parsons T 3rd.

   Daniels A, DePasse J, Kamal R.

   Patel K, Judd H, Harm R, Spanyer J.

7. Understanding Penicillin Allergy, Cross-reactivity, and Antibiotic Selection in the Preoperative Setting.
   Sarfani S, Stone Jr C, Murphy G, Richardson D.

8. What’s Important: A Rallying Call for Nonsteroidal Anti-Inflammatory Drugs in Musculoskeletal Pain: Improving Value of Care While Combating the Opioid Epidemic.
   Hung C, Riggan N, Hunt 3rd T, Halawi M.

9. Optimizing the Orthopaedic Consult.
   Shirley E, Nevins C.
10. Strategies for Recruiting and Retaining Women and Minorities in Orthopaedics.
   Gerull K, Salles A, Porter S, Braman J.

   Kunes J, Ulrich M, Orr C, Cannada L, Russo C.
   JBJS Rev. 2023 Apr 20;11(4).


   Myers T, Ramkumar P, Ricciardi B, Urish K, Kipper J, Ketonis C.

   Chen A, Fleischman A, Austin M.

   Poon S, Kiridly D, Mutawakkil M, Wendolowski S, Gecelter R, Kline M, Lane L.

   Brophy R, Fillingham Y.

17. Obesity Treatment in Orthopaedic Surgery.
   Carreira D, Robison J, Robison S, Fitch A.

18. Orthopaedic manifestations of neurofibromatosis type 1.
   Feldman D, Jordan C, Fonseca L.

   Roberts S, Konigsberg M.
General Orthopaedics

1. Complications of Superior Capsule Reconstruction for the Treatment of Functionally Irreparable Rotator Cuff Tears (FIRCTs): A Systematic Review.
   Sommer M, Wagner E, Zhu S, McRae S, McDonald P, Ogborn D, Woodmass J.
   Arthroscopy. 2021 Sep;37(9):2960-2972.

2. Multimodal Nonopioid Pain Protocol Provides Equivalent Pain Versus Opioid Control Following Meniscus Surgery: A Prospective Randomized Controlled Trial.
   Jildeh T, Okoroha K, Kuhlmann N, Cross A, Abbas M, Moutzouros V.


4. Tourniquet Use Does Not Affect Functional Outcomes or Pain After Total Knee Arthroplasty: A Prospective, Double-Blinded, Randomized Controlled Trial.
   Goel R, Rondon A, Sydnor K, Bievins K, O'Malley M, Purtil J, Austin M.

5. The Natural History of Benign Bone Tumors of the Extremities in Asymptomatic Children: A Longitudinal Radiographic Study.

6. No Difference in Functional, Radiographic, and Survivorship Outcomes Between Direct Anterior or Posterior Approach THA: 5-Year Results of a Randomized Trial.
   Clin Orthop Relat Res. 2021 Dec 1;479(12):2621-2629.

7. Adult Acquired Flatfoot Deformity.
   Jackson 3rd J, Pacana M, Gonzalez T.

   Lee B, Patel V, Itamura J.
9. Tranexamic Acid Administration in Arthroscopic Surgery Is a Safe Adjunct to Decrease Postoperative Pain and Swelling: A Systematic Review and Meta-analysis.
   Goldstein K, Jones C, Kay J, Shin J, de Sa D.
   Arthroscopy, Volume 38, Issue 4, 1366 - 1377.e9

10. Complications of Hardware Removal
    Kellam P, Harrast J, Weinberg M, Martin D, Davidson N.

    Farey J, Cuthbert A, Adie S, Harris I.
    JBJS; May 18, 2022; 104 (10): 919

12. Intramedullary Versus Extramedullary Fixation for Unstable Intertrochanteric Fractures. A Prospective Randomized Controlled Trial.
    Reindl R, Harvey E, Berry G, Rahme E, on behalf of the Canadian Orthopaedic Trauma Society (COTS)
    JBJS; December 2, 2015; 97 (23): 1905


    JBJS Rev. 2022 Sep 1;10(9).

    JBJS Rev. 2022 Dec 21;10(12)

    Hamoodi Z, Duckworth A, Watts A.
    JBJS Reviews; January 2023; 11 (1): e22.00150

    Bogoch E, Marcano-Fernández F, Schemitsch E, Zhou Q, Bzovsky S, Bhandari M, Schneider P, Swiontkowski M, Sprague S, FAITH Investigators; HEALTH Investigators.
   JBJS Rev. 2022 May 5;10(5).

   Hagedorn J, Yates S, Chen J, Adkins B.

20. Diagnosis and Management of Partial Thickness Rotator Cuff Tears: A Comprehensive Review.
    Plancher K, Shanmugam J, Briggs K, Petterson S.
Adult Reconstruction

1. **Musculoskeletal Health Literacy is Associated With Outcome and Satisfaction of Total Knee Arthroplasty.**
   Narayanan A, Stoll K, Pratson L, Lin F, Olcott C, Del Gaizo D.

2. **Patient Satisfaction After Total Hip Arthroplasty Is Not Influenced by Reductions in Opioid Prescribing.**

3. **Incidence and Predictive Risk Factors of Postoperative Urinary Retention After Primary Total Knee Arthroplasty.**
   Bracey D, Hegde V, Pollet A, Johnson R, Jennings J, Miner T.

4. **Tranexamic Acid Is Safe in Patients with a History of Coronary Artery Disease Undergoing Total Joint Arthroplasty.**
   Zak S, Tang A, Sharan M, Waren D, Rozell J, Schwarzkopf R.

5. **The Lawrence D. Dorr Surgical Techniques & Technologies Award: Using Big Heads and Small Acetabular Components With Highly Cross-Linked Polyethylene in Total Hip Arthroplasty: Is It Safe?**
   Baker C, Bukowski B, Abdel M, Trousdale R.

6. **Is the French Paradox cementing philosophy superior to the standard cementing? A randomized controlled radiostereometric trial and comparative analysis.**
   Sevaldsen K, Husby O, Lian O, Farran K, Husby V.

7. **Intraoperative pressure sensors improve soft-tissue balance but not clinical outcomes in total knee arthroplasty: a multicentre randomized controlled trial.**
   MacDessi S, Wood J, Diwan A, Harris I; SENSOR BALANCE Study Group.

8. **Robotic arm-assisted versus conventional medial unicompartmental knee arthroplasty: five-year clinical outcomes of a randomized controlled trial.**
   Banger M, Doonan J, Rowe P, Jones B, MacLean A, Blyth M.
9. **2021 Chitranjan S. Ranawat Award: Intraosseous vancomycin reduces periprosthetic joint infection in primary total knee arthroplasty at 90-day follow-up.**
   Park K, Chapleau J, Sullivan T, Clyburn T, Incavo S.

10. **Duloxetine Reduces Pain and Improves Quality of Recovery Following Total Knee Arthroplasty in Centrally Sensitized Patients: A Prospective, Randomized Controlled Study.**
    Koh I, Kim M, Sohn S, Sonh K, Choi N, In Y.

11. **Patellofemoral Arthroplasty Results in Better Time-weighted Patient-reported Outcomes After 6 Years than TKA: A Randomized Controlled Trial.**
    Odgaard A, Kappel A, Madsen F, Kristensen P, Stephensen S, Attarzadeh A.

12. **No Benefit to Sensor-guided Balancing Compared With Freehand Balancing in TKA: A Randomized Controlled Trial.**
    Clin Orthop Relat Res 2022;480:1535–44.

13. **Patients With Femoral Neck Fractures Are at Risk for Conversion to Arthroplasty After Internal Fixation: A Machine-learning Algorithm.**
    Van De Kuit A, Oosterhoff J, Dijkstra H, Sprague S, Bzovsky S, Bhandari M, Swiontkowski M, Schemitsch E, IJpma F, Poolman R, Doornberg J, Hendrickx L, the Machine Learning Consortium and FAITH Investigators
    Clin Orthop Relat Res. 2022 Dec 1;480(12):2350-2360.

14. **Perioperative Essential Amino Acid Supplementation Facilitates Quadriceps Muscle Strength and Volume Recovery After TKA: A Double-Blinded Randomized Controlled Trial.**
    Ueyama H, Kanemoto N, Minoda Y, Taniguchi Y, Nakamura H.

15. **Efficacy of a Modified Cocktail for Periarticular Local Infiltration Analgesia in Total Knee Arthroplasty: A Prospective, Double-Blinded, Randomized Controlled Trial.**

16. **Should We Aim to Help Patients "Feel Better" or "Feel Good" After Total Hip Arthroplasty? Determining Factors Affecting the Achievement of the Minimal Clinically Important Difference and Patient Acceptable Symptom State.**
    Goh G, Tarabichi S, Baker C, Qadiri Q, Austin M.
   Mertz K, Yang J, Chung B, Chen X, Mayfield C, Heckmann N.

   Kheir M, Dilley J, Speybroeck J, Kuyl E, Ochenjele G, McLawhorn A, Meneghini R.

19. Hospital Revenue, Cost, and Contribution Margin in Inpatient Versus Outpatient Primary Total Joint Arthroplasty.

20. Evaluation of Serum Albumin and Globulin in Combination With C-Reactive Protein Improves Serum Diagnostic Accuracy for Low-Grade Periprosthetic Joint Infection.
   Choe H, Kobayashi N, Abe K, Hieda Y, Tezuka T, Inaba Y.
Foot and Ankle

1. Patient-Reported and Radiographic Outcomes of Joint-Preserving Surgery for Rheumatoid Forefoot Deformities: A Retrospective Case Series with Mean Follow-up of 6 Years.
   Yano K, Ikari K, Tobimatsu H, Okazaki K.

2. Titrating the Amount of Bony Correction in Progressive Collapsing Foot Deformity.
   Ellis S, Johnson J, Day J, Netto C, Deland J, Hintermann B, Myerson M, Schon L, Thordarson D, Sangeorzan B.
   Foot Ankle Int. 2020 Oct;41(10):1292-1295.

   Foot Ankle Int. 2020 Apr;41(4):486-496.

4. Negative-Pressure Wound Therapy in Foot and Ankle Surgery.
   Kunze K, Hamid K, Lee S, Halvorson J, Earhart J, Bohl D.

5. Lesser Toe PIP Joint Resection Versus PIP Joint Fusion: A Randomized Clinical Trial.
   Foot Ankle Int. 2016 Jun;37(6):569-75.

6. A primer on running for the orthopaedic surgeon.
   Spiker M, Johnson KB, Cosgarea AJ, Ficke JR.

7. Functional outcome of routine versus on-demand removal of the syndesmotic screw: a multicentre randomized controlled trial.
   Sanders FRK, Birnie MF, Dingemans SA, van den Bekerom MPJ, Parkkinen M, van Veen RN; RODEO collaborator group, Goslings JC, Schepers T.

8. Weight-bearing CT Scans in Foot and Ankle Surgery.
   Conti M, Ellis S.

9. Outcomes of Total Ankle Replacement, Arthroscopic Ankle Arthrodesis, and Open Ankle Arthrodesis for Isolated Non-Deformed End-Stage Ankle Arthritis.
   Veljikovic AN, Daniels TR, Glazebrook MA, Dryden PJ, Penner MJ, Wing KJ, Younger ASE.
10. Allograft Interposition Bone Graft for First Metatarsal Phalangeal Arthrodesis: Salvage After Bone Loss and Shortening of the First Ray.
   Burke J, Shi G, Wilke B, Whalen J.

11. Minimum 5-Year Follow-up Results: CROSSBAT (Combined Randomised and Observational Study of Surgery vs No Surgery for Type B Ankle Fracture Treatment).
   O'Keefe R, Naylor JM, Symes MJ, Harris IA, Mittal R.
   Foot & Ankle International. 2022;43(12):1517-1524.

   Howard T, Reichert I, Giddie J, Ahluwalia R.

   Foot Ankle Int. 2022 May;43(5):595-601

   Conti MS, Patel TJ, Zhu J, Elliott AJ, Conti SF, Ellis SJ.

15. Philosophies of Surgical Care Are Embedded in Outcome Studies: An Illustrative Reanalysis of the Cartiva MOTION Trial.
   Guyton G.
   Foot & Ankle International. 2022;43(10):1364-1369.

   Gregersen MG, Molund M.

17. Plaster cast versus functional brace for non-surgical treatment of Achilles tendon rupture (UKSTAR): a multicentre randomized controlled trial and economic evaluation.
   Lancet. 2020 Feb 8;395(10222):441-448.
18. **Should Arthroscopic Bone Marrow Stimulation Be Used in the Management of Secondary Osteochondral Lesions of the Talus? A Systematic Review.**
   Arshad Z, Aslam A, Iqbal AM, Bhatia M.

19. **Open Reduction and Internal Fixation of the Posterior Malleolus Fragment in Ankle Fractures Improves the Patient-Rated Outcome: A Systematic Review.**
   Miksch RC, Herterich V, Barg A, Bocker W, Polzer H, Baumbach SF.
   Foot Ankle Int. 2023 Apr 26:10711007231165771.

20. **Deltoid Ligament Rupture in Ankle Fracture: Diagnosis and Management.**
   Lee S, Lin J, Hamid KS, Bohl DD.
Oncology

1. **What Is the Comparative Ability of 18F-FDG PET/CT, 99mTc-MDP Skeletal Scintigraphy, and Whole-body MRI as a Staging Investigation to Detect Skeletal Metastases in Patients with Osteosarcoma and Ewing Sarcoma?**
   Aryal A, Kumar V, Shamim S, Gamanagatti S, Khan S.

2. **Is Surgical Resection of the Primary Site Associated with an Improved Overall Survival for Patients with Primary Malignant Bone Tumors Who Have Metastatic Disease at Presentation?**

3. **Does Advanced Imaging Have a Role in Detecting Local Recurrence of Soft-tissue Sarcoma?**
   England P, Hong Z, Rhea L, Hirbe A, McDonald D, Cipriano C.

4. **Tranexamic Acid in Patients With Cancer Undergoing Endoprosthetic Reconstruction: A Retrospective Review.**
   Haase D, Templeton K, Rosenthal H, Sweeney K.

5. **Minimally Invasive Stabilization with or without Ablation for Metastatic Periacetabular Tumors.**
   English D, Lea W, King D, Tutton S, Neilson J.

   Sabharwal S, Alcorn S, Morris C.
   JBJS Rev. 2021 Aug 20;9(8).

7. **Recommendations from the ICM-VTE: Oncology.**
   The ICM-VTE Oncology Delegates.

8. **Musculoskeletal Metastasis From Soft-tissue Sarcomas: A Review of the Literature.**
   Pretell-Mazzini J, Seldon CS, D'Amato G, Subhawong TK.
9. **Percutaneous Screw Stabilization of Non-Periacetabular Pelvic Lesions Caused by Metastatic Cancer and Multiple Myeloma.**

10. **What Factors Are Associated With Local Metastatic Lesion Progression After Intramedullary Nail Stabilization?**
    Arpornsuksant P, Morris C, Forsberg J, Levin A.
    Clin Orthop Relat Res. 2022 May 1;480(5):932-945

11. **Cytotoxic Effects of Common Irrigation Solutions on Chondrosarcoma and Giant Cell Tumors of Bone.**

12. **What Is the Prevalence of Clinically Important Findings Among Incidentally Found Osseous Lesions?**
    Blackburn C, Richardson S, DeVita R, Dong O, Faraji N, Wurtz L, Collier C, Getty P.
    Clin Orthop Relat Res. 2023 Mar 27.

13. **What is the clinical impact of staging and surveillance PET-CT scan findings in patients with bone and soft tissue sarcoma?**
    Lee L, Kazmer A, Colman M, Gitelis S, Batus M Blank A.
    J Surg Oncol. 2022 Apr;125(5):901-906

14. **Is Bone Marrow Aspiration and Biopsy of Clinical Importance in the Initial Staging of Extraskeletal Ewing Sarcoma?**
    Wahlig B, Broida S, Rose P, Robinson S, Siontis B, Houdek M.

15. **Pexidartinib Provides Modest Pain Relief in Patients With Tenosynovial Giant Cell Tumor: Results From ENLIVEN.**

16. **What Are Risk Factors for and Outcomes of Late Amputation After Treatment for Lower Extremity Sarcoma: A Childhood Cancer Survivor Study Report.**
    Geiger, E, Liu, W, Srivastava, D.

18. Is the Addition of Anaerobic Coverage to Perioperative Antibiotic Prophylaxis During Soft Tissue Sarcoma Resection Associated With a Reduction in the Proportion of Wound Complications?
   Ramsey D, Walker J, Wetzel R, Gundle K, Hayden J, Doung YC.
   Clin Orthop Relat Res. 2022 Dec 1;480(12):2409-2417.

19. Tumor Resection Guided by Intraoperative Indocyanine Green Dye Fluorescence Angiography Results in Negative Surgical Margins and Decreased Local Recurrence in an Orthotopic Mouse Model of Osteosarcoma.

   Inchaustegui M, Ruiz K, Gonzalez M, Pretell-Mazzini J.
   JBJS Rev. 2023 May 4;11(5).
1. **Timing of Anterior Cruciate Ligament Reconstruction and Relationship With Meniscal Tears: A Systematic Review and Meta-analysis.**
   Prodromidis A, Drosatou C, Thivaios G, Zreik N, Charalambous C.

2. **Platelet-Rich Plasma Versus Hyaluronic Acid in the Treatment of Knee Osteoarthritis: A Meta-analysis of 26 Randomized Controlled Trials.**
   Tan J, Chen H, Zhao L, Huang W.

3. **Primary Arthroscopic Stabilization for a First-Time Anterior Dislocation of the Shoulder. Long-Term Follow-up of a Randomized, Double-Blinded Trial.**
   Yapp L, Nicholson J, Robinson C.

4. **Long Head of Biceps Tenotomy Is Not Inferior to Suprapectoral Tenodesis in Arthroscopic Repair of Nontraumatic Rotator Cuff Tears: A Multicenter, Non-inferiority, Randomized, Controlled Clinical Trial.**

5. **Return to Sport after Pediatric Anterior Cruciate Ligament Reconstruction and its Effect on Subsequent Anterior Cruciate Ligament Injury.**
   Dekker T, Godin J, Dale K, Garrett W, Taylor D, Riboh J.

6. **Bridge-Enhanced Anterior Cruciate Ligament Repair Is Not Inferior to Autograft Anterior Cruciate Ligament Reconstruction at 2 Years: Results of a Prospective Randomized Clinical Trial.**

7. **Clinical Outcomes, Survivorship, and Return to Sport After Arthroscopic Capsular Repair With Suture Anchors for Adolescent Multidirectional Shoulder Instability: Results at 6-Year Follow-up.**
8. **Traumatic Glenohumeral Dislocation in Pediatric Patients is Associated With a High Risk of Recurrent Instability.**
   Yapp LZ, Baxendale-Smith L, Nicholson JA, Gaston MS, Robinson CM.

9. **Humeral Avulsion of the Glenohumeral Ligament: Diagnosis and Management.**
   Krueger VS, Shigley C, Bokshan SL, Owens BD.
   JBJS Rev. 2022 Feb 3;10(2).

10. **Shoulder Latarjet Surgery Shows Wide Variation in Reported Indications, Techniques, Perioperative Treatment, and Definition of Outcomes, Complications, and Failure: A Systematic Review.**
    Arner J, Tanghe K, Shields T, Abdelaziz A, Lee S, Peebles L, Provencher M.

11. **Two-Year Functional Outcomes of Operative vs Nonoperative Treatment of Completely Displaced Midshaft Clavicle Fractures in Adolescents: Results From the Prospective Multicenter FACTS Study Group.**

12. **A Modified Lemaire Lateral Extra-articular Tenodesis in High-Risk Adolescents Undergoing Anterior Cruciate Ligament Reconstruction With Quadriceps Tendon Autograft: 2-Year Clinical Outcomes.**
    Green D, Hidalgo Perea S, Brusalis C, Chipman E, Asaro L, Cordasco F.

13. **What The Effects of Arthroscopic Labral Repair on Patient-Reported Outcomes in the Setting of Periacetabular Osteotomy.**

14. **Arthroscopic Bankart Repair for Adolescent Anterior Shoulder Instability: Clinical and Imaging Predictors of Revision Surgery and Recurrent Subjective Instability.**
    Egger A, Willimon C, Busch M, Broida S, Perkins C.
15. Meniscal Ramp Lesions in Adolescent Patients Undergoing Primary Anterior Cruciate Ligament Reconstruction: Significance of Imaging and Arthroscopic Findings.  
   Hollnagel K, Pennock A, Bomar J, Chambers H, Edmonds E.  

16. Minimum 10-Year Clinical and Radiological Outcomes of a Randomized Controlled Trial Evaluating 2 Different Approaches to Full Weightbearing After Matrix-Induced Autologous Chondrocyte Implantation.  
   Ebert J, Fallon M, Ackland T, Janes G, Wood D.  

17. Comparison of the PROMIS and iHOT-12 in Determining Satisfaction Levels After Hip Arthroscopy for FAIS.  
   Martin R, Harris J, Ellis T, Kollmorgen R.  


   Min K, Wake J, Cruz C, Miles R, Chan S, Shaha J, Bottoni C.  

   Rothrauff B, Arner J, Talentino S, Bradley J.  
Orthopaedic Trauma

1. **Diagnosing Fracture-Related Infection: Current Concepts and Recommendations.**

2. **Unnecessary Preoperative Cardiology Evaluation and Transthoracic Echocardiogram Delays Time to Surgery for Geriatric Hip Fractures.**

3. **Posterior Malleolar Fractures: A Critical Analysis Review.**
   Rammelt S, Bartonícek J.
   JBJS Reviews August 2020;8(8):e19.00207

4. **Total Elbow Arthroplasty for Distal Humerus Fractures Provided Similar Outcomes When Performed as a Primary Procedure or After Failed Internal Fixation.**
   Logli A, Shannon S, Boe C, Morrey M, O'Driscoll S, Sanchez-Sotelo J.

5. **Impact of the Fascia Iliaca Block on Pain, Opioid Consumption, and Ambulation for Patients With Hip Fractures: A Prospective, Randomized Study.**
   Schulte S, Fernandez I, Van Tienderen R, Reich M, Adler A, Nguyen M.

6. **Prospective Randomized Trial on Smoking Cessation in Orthopaedic Trauma Patients: Results From the Let’s STOP (Smoking in Trauma Orthopaedic Patients) Now Trial.**
   Matuszewski PE, Joseph K, O’Hara NN, DiClemente C, O’Toole RV
   Journal of Orthopaedic Trauma: July 2021 - Volume 35 - Issue 7 - p 345-351

7. **Predictors of Improved Early Clinical Outcomes After Elective Implant Removal, Journal of Orthopaedic Trauma.**
   Kempton LB, Gaski GE, Brown K, McKinley TO, Virkus WW.

   Schottel PC, Blankstein M, Sprague S, Swiontkowski M, Bzovsky S, Bhandari M, Schemitsch EH; FAITH Investigators.
9. **Distal Femur Replacement Versus Surgical Fixation for the Treatment of Geriatric Distal Femur Fractures: A Systematic Review.**

10. **Comparison of Infrapatellar and Suprapatellar Approaches for Intramedullary Nail Fixation of Tibia Fractures.**
    Metcalf KB, Du JY, Lapite IO, Wetzel RJ, Sontich JK, Dachenhaus ER, Janes JL, Ochenjele G.

11. **Rethinking Conservative Treatment of Humeral Diaphyseal Fractures in Elderly Patients with Dementia.**
    J Orthop Trauma. 2022 Dec 1;36(12):634-638.

12. **Management of periprosthetic fractures of the humerus: a systematic review.**
    Mourkus H, Phillips N, Rangan A, Peach C.

13. **Functional Outcome After Nonoperative Management of Tibial Plateau Fractures in Skeletally Mature Patients: What Sizes of Gaps and Stepoffs Can Be Accepted?**
    Clin Orthop Relat Res. 2022 Dec 1;480(12):2288-2295.

14. **Effect of Supplemental Perioperative Oxygen on SSI Among Adults with Lower-Extremity Fractures at Increased Risk for Infection: A Randomized Clinical Trial.**
    Major Extremity Trauma Research Consortium (METRC)

15. **Reoperation and Complication Rates Following Patellar Fracture Repair with Plates: A Retrospective Analysis with Patient-Reported Outcomes at More than 1 Year of Follow-up.**
    Checketts J, Scott J, Fishbeck K, Hart T, Pham W, Dadgar A, Calder M, Norris B.

16. **Fifth metatarsal fractures: Diagnosis and Treatment.**
    Metzl J, Bowers M, Anderson R.
17. **Cemented or Uncemented Hemiarthroplasty for Intracapsular Hip Fracture.**

18. **Nonoperative Treatment of Select Lateral Compression Type II Pelvic Ring Injuries (OTA/AO 61B2.2) Results in a Low Rate of Radiographic Displacement.**
   J Orthop Trauma. 2022 Jan 1;36(1):30-35.

19. **Fracture Risk Following an Atypical Femoral Fracture.**
   J Bone Miner Res. 2022 Jan;37(1):87-94.

20. **Aspirin or Low-Molecular-Weight Heparin for Thromboprophylaxis after a Fracture.**
   NEJM, Jan 2023

21. **Early Ambulation After Hip Fracture Surgery Is Associated With Decreased 30-Day Mortality.**
   Heiden J, Goodin S, Mormino M, Siebler J, Putnam S, Lyden E, Tao M.
1. **Postoperative Dexamethasone Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis.**
   Fletcher N, Ruska T, Austin T, Guisse N, Murphy J, Bruce Jr, R.

2. **Flexion-Type Supracondylar Humeral Fractures: Ulnar Nerve Injury Increases Risk of Open Reduction.**

3. **Current Concepts in Pediatric Septic Arthritis.**
   Erkilinc M, Gilmore A, Weber M, Mistovich R.

4. **Four Risk Factors for Arthrofibrosis in Tibial Spine Fractures: A National 10-Site Multicenter Study.**

5. **Does Shorter Time to Treatment of Pediatric Femur Shaft Fractures Impact Clinical Outcomes?**

6. **Transphyseal Distal Humeral Fractures. A 13-Times-Greater Risk of Non-Accidental Trauma Compared with Supracondylar Humeral Fractures in Children Less Than 3 Years of Age.**
   Crowe M, Byerly L, Mehlman CT.

7. **A Multicenter Comparison of Open Versus Arthroscopic Fixation for Pediatric Tibial Spine Fractures.**

8. **Cast Saw Burn Prevention: An Evidence-Based Review.**
   Larson JE, Nicolay RW
9. **Factors Affecting Slip Progression After In Situ Screw Fixation of Stable Slipped Capital Femoral Epiphysis.**
   Makarewich CA, Wait ES, Fedorak GT, MacWilliams BA.

10. **Medial Patellofemoral Ligament Reconstruction for Adolescents With Acute First-Time Patellar Dislocation With an Associated Loose Body.**
    Gurusamy P, Pedowitz JM, Carroll AN, Johnson K, Chambers HG, Edmonds EW, Pennock AT.

11. **Clavicular Fractures in the Adolescent.**
    Patel M, Heyworth B, Dehghan N, Mehlman C, McKee M.

12. **The Axillary Nerve Danger Zone in Percutaneous Fixation in the Pediatric Shoulder.**
    Stavinoha T, Randhawa S, Trivedi S, Dingel A, Shea K, Frick S.

13. **Controlled Ankle Movement (CAM) Boot Provides Improved Outcomes With Lower Complications Than Short Leg Walking Cast in Low-energy Pediatric Lateral Ankle Injuries: A Prospective, Randomized Study.**
    Beck J, Kang V, Bennett A, Bloom S, Jackson N.

14. **Transarticular Versus Retroarticular Drilling of Stable Osteochondritis Dissecans of the Knee: A Prospective Multicenter Randomized Controlled Trial by the ROCK Group.**

15. **Opioid Represcriptions After ACL Reconstruction in Adolescents Are Associated With Subsequent Opioid Use Disorder.**
    Cahan, E; Halvorsen, K; Pham, N; Kaur, J; Bryson, X; Chan, C; Vorhies, J.

16. **Post-Maturity Progression in Adolescent Idiopathic Scoliosis Curves of 40° to 50°.**
    Yu SH, Ng CM, Cheung JPY, Shea GKH.

   Nepple J, Parilla F, Pashos G, Clohisy J.
   J Bone Joint Surg Am. 2023 Jan 18;105(2):137-144.

   Asma, A, Ulusaloglu, A, Shrader MW, Miller F, Rogers K, Howard, J.

   Ford S, Zide J, Riccio A.
Shoulder and Elbow

   Goudie E, Robinson C.

2. Are there racial differences between patients undergoing surgery for shoulder instability?
   Data from the Multicenter Orthopaedic Outcomes Network (MOON) Shoulder Instability Group.
   Hettrich C, Zacharias A, Ortiz S, Westgate P, MOON Shoulder Group; Wolf B, Jacobs C.

3. Arthroscopic Bankart repair with and without arthroscopic infraspinatus remplissage in anterior shoulder instability with a Hill-Sachs defect: a randomized controlled trial.

4. Preoperative opioid use is an independent risk factor for complication, revision, and increased health care utilization following primary total shoulder arthroplasty.
   Wilson J, Farley K, Gottschalk M, Daly C, Wagner E.

5. Operative versus non-operative treatment for isolated Mason type 2 radial head fractures: a multicenter randomized controlled trial.

   Balazs, G.
   JBJS 103(22), 17 November 2021, p 2144-2144

8. Consensus statement on the treatment of massive irreparable rotator cuff tears: a Delphi approach by the Neer Circle of the American Shoulder and Elbow Surgeons.


10. What Do We Know About Shoulder Injury Related to Vaccine Administration? An Updated Systematic Review.
MacMahon A, Nayar SK, Srikumaran U.
Clin Orthop Relat Res. 2022 Jul 1;480(7):1241-1250.

11. The role of telehealth as a platform for postoperative visits following rotator cuff repair: a prospective, randomized controlled trial.
Kane L, Thakar O, Jamgochian G, Lazarus M, Abboud J, Namdari S, Horneff J.

12. Long-Term Results and Failure Analysis of the Open Latarjet Procedure and Arthroscopic Bankart Repair in Adolescents.

Albaum J, Abdallah F, Muneeb Ahmed M, Siddiqui U, Brull R.
Clin Orthop Relat Res. 2022 Dec 1;480(12):2374-2389.

14. Race and Socioeconomic Status Are Associated With Inferior Patient-Reported Outcome Measures Following Rotator Cuff Repair.
Ziedas A, Castle J, Abed V, Swantek A, Rahman T, Chaides S, Makhni E.

Labott J, Leland D, Till S, Diamond A, Hintz C, Dines J, Camp C.  
Arthroscopy. 2023 Jan 14;S0749-8063(23)00020-8.

17. Short- and long-term outcomes in Bankart repair vs. conservative treatment for first-time anterior shoulder dislocation: a systematic review and meta-analysis of randomized controlled trials.  
Alkhatib N, Abdullah A, AlNouri M, Alzobi O, Alkaramany E, Ishibashi Y.  

18. The Rotator Cuff Healing Index: A New Scoring System to Predict Rotator Cuff Healing After Surgical Repair.  
Kwon J, Kim SH, Lee YH, Kim TI, Oh JH.  

19. Acne cream reduces the deep Cutibacterium acnes tissue load before elective open shoulder surgery: a randomized controlled pilot trial.  
Unterfrauner I, Wieser K, Catanzaro S, Uçkay I, Bouaicha S.  

20. A prospective randomized controlled trial comparing plating augmented with coracoclavicular fixation and hook plate fixation of displaced distal-third clavicle fractures.  
Orlandi T, Rogers N, Burger M, King P, Lamberts R.  

2. **An Analysis of the Incidence and Outcomes of Major Versus Minor Neurological Decline After Complex Adult Spinal Deformity Surgery: A Subanalysis of Scoli-RISK-1 Study.**

3. **Red Flags for Low Back Pain Are Not Always Really Red: A Prospective Evaluation of the Clinical Utility of Commonly Used Screening Questions for Low Back Pain.**
   Premkumar A, Godfrey W, Gottschalk MB, Boden SD.

4. **Sustained Preoperative Opioid Use Is a Predictor of Continued Use Following Spine Surgery.**
   Schoenfeld AJ, Belmont PJ Jr, Blucher JA, Jiang W, Chaudhary MA, Koehlmoos T, Kang JD, Haider AH.

5. **Do Preoperative Epidural Steroid Injections Increase the Risk of Infection After Lumbar Spine Surgery?**

6. **Sarcopenia, but not frailty, predicts early mortality and adverse events after emergent surgery for metastatic disease of the spine.**

7. **Weekly Teriparatide Versus Bisphosphonate for Bone Union During 6 Months After Multi-Level Lumbar Interbody Fusion for Osteoporotic Patients: A Multicenter, Prospective, Randomized Study.**
8. **Decisional Regret Among Older Adults Undergoing Corrective Surgery for Adult Spinal Deformity: A Single Institutional Study.**

9. **Demographic, clinical, and operative risk factors associated with postoperative adjacent segment disease in patients undergoing lumbar spine fusions: a systematic review and meta-analysis.**

10. **Oral Is as Effective as Intravenous Tranexamic Acid at Reducing Blood Loss in Thoracolumbar Spinal Fusions: A Prospective Randomized Trial.**
    Yu CC, Fidai M, Washington T, Bartol S, Graziano G.

11. **Systematic Review and Meta-Analysis of 3 Treatment Arms for Vertebral Compression Fractures: A Comparison of Improvement in Pain, Adjacent-Level Fractures, and Quality of Life Between Vertebroplasty, Kyphoplasty, and Nonoperative Management.**

12. **Lengthening Behavior of Magnetically Controlled Growing Rods in Early-Onset Scoliosis: A Multicenter Study.**

13. **Spine Surgeon Assessments of Patient Psychological Distress are Inaccurate and Bias Treatment Recommendations.**

    Malhotra A, Shakil H, Harrington E, Fehlings M, Wilson J, Witiw C.
    Spine J. 2023 Jun 9;S1529-9430(23)00232-2.
15. A Natural History of Patients Treated Operatively and Nonoperatively for Spinal Metastases Over 2 Years Following Treatment: Survival and Functional Outcomes.

16. Predicting Mortality in Elderly Spine Trauma Patients.

   Verhaegen J, Innmann M, Batista N, Dion C, Horton I, Pierrepont J, Merle C, Grammatopoulos G.

18. Incidence of Heterotopic Ossification at 10 years After Cervical Disk Replacement
    A Systematic Review and Meta-analysis.
    Sheng, Xia-Qing; Wu, Ting-Kui; Liu, Hao; Meng, Yang.

    Spine Deform. 2023 Jul;11(4):773-785.

20. Long-term results of the NECK trial-implanting a disc prosthesis after cervical anterior discectomy cannot prevent adjacent segment disease: five-year clinical follow-up of a double-blinded randomised controlled trial.
Surgery of the Hand

1. Platelet-rich Plasma or Autologous Blood Do Not Reduce Pain or Improve Function in Patients with Lateral Epicondylitis: A Randomized Controlled Trial.  
   Linnanmaki L, Kanto K, Karjalainen T, Leppanen OV, Lehtinen J.  

2. Dorsal Bridge Plate for Distal Radius Fractures: A Systematic Review.  
   Fares A, Childs B, Polmear M, Clark D, Nesti L, Dunn J.  

   Lawson A, Na M, Naylor J, Lewin A, Harris I.  

4. When Is It Safe to Operate After Therapeutic Carpal Tunnel Injections?  
   Fakunle O, Farley K, DeMaio E, Gottschalk M, Wagner E, Daly C.  
   Hand (N Y). 2021 Jun 9;15589447211017229.

5. A Prospective Randomized Trial Comparing the Functional Results of Buddy Taping Versus Closed Reduction and Cast Immobilization in Patients With Fifth Metacarpal Neck Fractures.  
   Martinez-Catalan A, Pajares S, Llanos L, Mahillo I, Calvo E.  
   J Hand Surg Am. 2020 Dec;45(12):1134-1140.

6. Impact of Patient and Tumor Characteristics on Range of Motion and Recurrence Following Treatment of Enchondromas of the Hand.  
   Wessel LE, Christ AB, Athanasian EA.  
   J Hand Surg January 2021

   Hresko AM, Got CJ, Gil JA.  

   Shapiro LM, Kamal RN; Management of Distal Radius Fractures Work Group; Nonvoting Clinical Contributor; Nonvoting Oversight Chairs; Staff of the American Academy of Orthopaedic Surgeons and the American Society for Surgery of the Hand.  
   J Hand Surg Am. 2021 Sep;46(9):807-811.
9. **Diagnosis and Management of Acute Scaphoid Fractures.**
   Sabbagh MD, Morsy M, Moran SL.

10. **Functional Recovery Following Trapeziectomy and Ligament Reconstruction and Tendon Interposition: A Prospective Longitudinal Study.**
    Janakiramanan N, Miles O, Collon S, Crammond B, McCombe D, Tham SK.
    J Hand Surg 46(11), 2021.

11. **The Reliability of the CTS-6 for Examiners With Varying Levels of Clinical Experience.**

12. **Dermal Regenerative Templates in Orthopaedic Surgery.**
    Pidgeon T, Hollins A, Mithani S, Klifto C.

13. **Is Hand Surgery in the Procedure Room Setting Associated With Increased Surgical Site Infection? A Cohort Study of 2,717 Patients in the Veterans Affairs Population.**
    Zhuang T, Fox P, Curtin C, Shah K

14. **Qualitative and Quantitative Anatomy of the Deep Radioulnar Ligaments' Insertion on Ulna: Cadaveric, Histologic, and MRI Study.**
    Zhao X, Sun J, Duan F, Xin F, Shi L, Yu T.
    J Hand Surg Am. 2022 Aug 2;S0363-5023(22)00329-X.

15. **Nonoperative Versus Operative Treatment for Displaced Finger Metacarpal Shaft Fractures: A Prospective, Noninferiority, Randomized Controlled Trial.**
    Peyronson F, Ostwald C, Hailer N, Giddins G, Vedung T, Murder D.

16. **Outcome of Simple Decompression of Primary Cubital Tunnel Syndrome Based on Patient-Reported Outcome Measurements.**

17. **Dermatology and Skin Conditions for Hand Surgeons.**
    Graham D, Sivakumar B, Stewart N, Jones N.
18. Efficacy Midcarpal Instability.
   Rabinovich R, Rahman O, Nasra M, Polatsch D, Beldner S.

19. Five-Year Results of a Randomized, Controlled Trial of Collagenase Treatment Compared With Needle Fasciotomy for Dupuytren Contracture.
   Bystrom M, Sorensen A, Samuelsson K, Friden J, Stromberg J.

   Afifi A, Monsef Ali A, Abdelaziz A, Abuomira I, Saleh W, Yehya M.