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

2021 Knowledge Sources
2021 ABOS Required Knowledge Source

   Clohisy D, Yaszemski M, Lipman J.

2020 ABOS Required Knowledge Source

1. Managing stress in the orthopaedic family: avoiding burnout, achieving resilience.

2019 ABOS Required Knowledge Source

1. Leading the Way to Solutions to the Opioid Epidemic: AOA Critical Issues.
   Seymour RB, Ring D, Higgins T, Hsu JR.
General Orthopaedics

1. **Controversies in the management of distal radius fractures.**
   Koval K, Haidukewych GJ, Service B, Zirgibel BJ.

2. **Non-arthroplasty treatment of osteoarthritis of the knee.**
   Sanders JO, Murray J, Gross L.

3. **Open Tibial Fractures: Updated Guidelines for Management.**
   Mundi R, Chaudhry H, Niroopan G, Petrisor B, Bhandari M.
   JBJS Rev. 2015 Feb 3;3(2).

4. **Surgical Management of Osteoarthritis of the Knee: Evidence-based Guideline.**
   McGrory BJ, Weber KL, Jevsevar DS, Sevarino K.

5. **Complications of shoulder arthroscopy.**
   Moen TC, Rudolph GH, Caswell K, Espinoza C, Burkhead WZ Jr, Krishnan SG.

6. **A Comparison of Three Diagnostic Tests for Carpal Tunnel Syndrome Using Latent Class Analysis.**
   Fowler J, Cipolli W, Hanson T.

7. **Is Cemented or Cementless Femoral Stem Fixation More Durable in Patients Older Than 75 Years of Age? A Comparison of the Best-performing Stems.**
   Tanzer M, Graves S, Peng A, Shimmin A.

8. **Tibial Shaft Fractures in Children and Adolescents.**
   Raducha J, Swarup I, Schachne J, Cruz A, Fabricant P.

9. **Trends in Deep Vein Thrombosis Prophylaxis and Deep Vein Thrombosis Rates After Total Hip and Knee Arthroplasty.**
   Bawa H, Weick J, Dirschl D, Luu H.
10. Return to Play After Medial Collateral Ligament Injury.
   Kim C, Chasse P, Taylor D.

   Schneider P, Sandman E, Martineau P.

12. Tumors of the Hand and the Wrist.
   Strike S, Puhaindran M.

   Hagedorn J, Danilevich M, Gary J.

   Marcantonio A, Pace M, Brabeck D, Nault K, Trzaskos A, Anderson R.

   Barlow B, Hannon M, Waldron J.

   Van Nest D, Tjoumakaris F, Smith B, Beatty T, Freedman K.

17. Emerging Options for Biologic Enhancement of Stress Fracture Healing in Athletes.
   Miller T, Kaeding C, Rodeo S.

   Tanaka M, Oh L, Martin S, Berkson E.

20. Adverse Events and Their Risk Factors Following Intra-articular Corticosteroid Injections of the Ankle or Subtalar Joint.
Adult Reconstruction

1. The safety of tranexamic acid in total joint arthroplasty: a direct meta-analysis.

2. Low-Dose Aspirin Is Effective Chemoprophylaxis Against Clinically Important Venous Thromboembolism Following Total Joint Arthroplasty: A Preliminary Analysis.
   Parvizi J, Huang R, Restrepo C, Chen AF, Austin MS, Hozack WJ, Lonner JH.

   Johansson T.

4. Trunnionosis in Total Hip Arthroplasty.
   Weiser MC, Lavernia CJ.

5. Why are total knee arthroplasties failing today – has anything changed after 10 years?
   Sharkey PF, Lichstein PM, Shen C, Tokarski AT, Parvizi J.
   J Arthroplasty. 2014 Sep;29(9):1774-1778.

   Dimitriou D, Ramokgopa M, Pietrzak J, van der Jagt D, Mokete L.
   JBJS Rev. 2017 Sep;5(9):e8.

7. The John Insall Award: Morbid obesity independently impacts complications, mortality, and resource use after TKA.
   D'Apuzzo M, Novicoff W, Browne J.

   Le D, Goodman S, Maloney W, Huddleston J.

   Cook D, Kaskovich S, Pirkle S, Mica M, Shi L, Lee M.


13. Tranexamic Acid Reduces the Rate of Periprosthetic Joint Infection After Aseptic Revision Arthroplasty.
   Klement M, Padua F, Li W, Detweiler M, Parvizi J.

14. The John Charnley Award: Redefining the Natural History of Osteoarthritis in Patients With Hip Dysplasia and Impingement.
   Wyles C , Heidenreich M, Jeng J, Larson D, Trousdale R, Sierra R.

15. Which Preoperative Factors are Associated with Not Attaining Acceptable Levels of Pain and Function After TKA? Findings from an International Multicenter Study.

16. Does Robotic-assisted TKA Result in Better Outcome Scores or Long-Term Survivorwilp Than Conventional TKA? A Randomized, Controlled Trial.
   Kim Y, Yoon S, Park J.
17. Which Clinical and Patient Factors Influence the National Economic Burden of Hospital Readmissions After Total Joint Arthroplasty?
   Kurtz S, Lau E, Ong K, Adler E, Kolisek F, Manley M.

18. What Safe Zone? The Vast Majority of Dislocated THAs Are Within the Lewinnek Safe Zone for Acetabular Component Position.
   Abdel M, Von Roth P, Jennings M, Hanssen A, Pagnano M.


20. The Mark Coventry, MD, Award: Oral Antibiotics Reduce Reinfection After Two-Stage Exchange: A Multicenter, Randomized Controlled Trial.
Foot and Ankle

1. **Contribution of Lateral Column Lengthening to Correction of Forefoot Abduction in Stage IIb Adult Acquired Flatfoot Deformity Reconstruction.**
   Chan JY, Greenfield ST, Soukup DS, Do HT, Deland JT, Ellis SJ.
   Foot Ankle Int. 2015 Dec;36(12):1400-1411.

2. **Shoe modification and the use of orthoses in the treatment of foot and ankle pathology.**
   Janisse DJ, Janisse E.

3. **Current concept review: vitamin D and stress fractures.**
   McCabe MP, Smyth MP, Richardson DR.

4. **Evidence-based analysis of the efficacy for operative treatment of hallux rigidus.**
   McNeil DS, Baumhauer JF, Glazebrook MA.

5. **Reoperation Rate Differences Between Open Reduction Internal Fixation and Primary Arthrodesis of Lisfranc Injuries.**
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6. **Current management options for displaced intra-articular calcaneal fractures: Non-operative, ORIF, minimally invasive reduction and fixation or primary ORIF and subtalar arthrodesis. A contemporary review.**
   Sharr P, Mangupli M, Winson I, Buckley R.

7. **Chronic Disorders of the Peroneal Tendons: Current Concepts Review of the Literature**
   Van Dijk P, Kerkhoffs G, Chiodo C, DiGiovanni C.

8. **Fractures of the Talus: State of the Art.**
   Vallier H.
   J Orthop Trauma. 2015 Sep;29(9):385-92.
9. **Evaluation and Significance of Mortise Instability in Supination External Rotation Fibula Fractures: A Review Article.**
   Kwon J, Cronin P, Velasco B, Chiodo C.
   Foot Ankle Int. 2018 Jul;39(7):865-873.

10. **Dynamic Stabilization of Syndesmosis Injuries Reduces Complications and Reoperations as Compared With Screw Fixation: A Meta-analysis of Randomized Controlled Trials.**

11. **Effect of High-Volume Injection, Platelet-Rich Plasma, and Sham Treatment in Chronic Midportion Achilles Tendinopathy: A Randomized Double-Blinded Prospective Study.**

12. **Return to Sports and Physical Activities After First Metatarsophalangeal Joint Arthrodesis in Young Patients.**
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13. **The Ruptured Achilles Tendon Elongates for 6 Months After Surgical Repair Regardless of Early or Late Weightbearing in Combination With Ankle Mobilization: A Randomized Clinical Trial.**

14. **Return to Sports and Activity After Total Ankle Arthroplasty and Arthrodesis: A Systematic Review.**
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15. **Five-Year Follow-up of Minimally Invasive Distal Metatarsal Chevron Osteotomy in Comparison With the Open Technique: A Randomized Controlled Trial.**
    Kaufmann G, Mörtlauer L, Hofer-Picout P, Dammerer D, Ban M, Liebensteiner M.

16. **Posterior Malleolar Ankle Fractures: An Effort at Improving Outcomes.**
    Mason L, Kaye A, Widnall J, Redfern J, Molloy A.
17. Peroneal Tendon Abnormalities on Routine Magnetic Resonance Imaging of the Foot and Ankle.
   O’Neil J, Pedowitz D, Kerbel Y, Coddington J, Zoga A, Raikin S.

18. Improved Reduction of the Tibiofibular Syndesmosis With TightRope Compared With Screw Fixation: Results of a Randomized Controlled Study.
   Sanders D, Schneider P, Taylor M, Tieszer C, Lawendy AR, Canadian Orthopaedic Trauma Society.

   Sidon E, Rogero R, Bell T, McDonald E, Shakked R, Fuchs D, Daniel J, Pedowitz D, Raikin S.

20. Outcomes of Total Ankle Replacement, Arthroscopic Ankle Arthrodesis, and Open Ankle Arthrodesis for Isolated Non-Deformed End-Stage Ankle Arthritis.
   Veljkovic A, Daniels T, Glazebrook M, Dryden P, Penner M, Wing K, Younger A.
1. **Metastatic bone disease: diagnosis, evaluation, and treatment.**
   Biermann JS, Holt GE, Lewis VO, Schwartz HS, Yaszemski MJ.

2. **Survival of modern knee tumor megaprostheses: failures, functional results, and a comparative statistical analysis.**
   Pala E, Trovarelli G, Calabrò T, Angelini A, Abati CN, Ruggieri P.

3. **Bone sarcomas: an update of the recent literature.**
   Jones LB, Barr JS.

4. **Osteosarcoma: A Meta-Analysis and Review of the Literature.**
   Friebele JC, Peck J, Pan X, Abdel-Rasoul M, Mayerson JL.

5. **The effect of surgical synovectomy and radiotherapy on the rate of recurrence of pigmented villonodular synovitis of the knee: an individual patient meta-analysis.**
   Mollon B, Lee A, Busse JW, Griffin AM, Ferguson PC, Wunder JS, Theodoropoulos J.

6. **Is intralesional resection suitable for central grade 1 chondrosarcoma: A systematic review and updated meta-analysis.**
   Chen X, Yu L, Peng H, Jiang C, Ye C, Zhu S, Qian W.

7. **Positron emission tomography/computed tomography for osseous and soft tissue sarcomas: A systematic review of the literature and meta-analysis.**
   Muheremu A, Ma J, Amudong A, Ma Y, Niyazi M, Ou Y, Ma Y.

8. **An Evaluation of PROMIS Health Domains in Sarcoma Patients Compared to the United States Population.**
   Wilke B, Cooper A, Scarborough M, Gibbs C, Spiguel A.

9. **Thromboembolism After Intramedullary Nailing for Metastatic Bone Lesions.**
10. What are the 5-year survivorship outcomes of compressive endoprosthetic osseointegration fixation of the femur?
   Monument M, Bernthal N, Bowles A, Jones K, Randall R.

11. 2015 Marshall Urist Young Investigator Award: Prognostication in Patients With Long Bone Metastases: Does a Boosting Algorithm Improve Survival Estimates?


   Mavrogenis A, Pala E, Angelini A, Ferraro A, Ruggieri P.

14. Use of Imaging Prior to Referral to a Musculoskeletal Oncologist.
   Miller, B.

15. Sarcomas in Patients Over 90: Natural History and treatment-A Nationwide Study Over 6 Years.

   Gamboa A, Gronchi A, Cardona K.
17. Fracture Risk Assessment and Clinical Decision Making for Patients With Metastatic Bone Disease.
   Damron T, Mann K.

   Tap W, Gelderblom H, Palmerini E, Desai J, Bauer S, Blay JY.

19. Surgical Treatment of Localized-Type Tenosynovial Giant Cell Tumors of Large Joints: A Study Based on a Multicenter-Pooled Database of 31 International Sarcoma Centers.

20. What Is the Clinical Importance of Incidental Findings on Staging CT Scans in Patients With Sarcoma?
   Mayo Z, Kennedy S, Gao Y, Miller B.
Orthopaedic Sports Medicine

1. **Surgical Versus Nonsurgical Treatment of Acute Achilles Tendon Rupture: A Meta-Analysis of Randomized Trials.**
   Soroceaneu A, Sidhwa F, Aarabi S, Kaufman A, Glazebrook M.

2. **A Randomized Clinical Trial Comparing Open and Arthroscopic Stabilization for Recurrent Traumatic Anterior Shoulder Instability Two-Year Follow-up with Disease-Specific Quality-of-Life Outcomes.**
   Mohtadi NG, Chan DS, Hollinshead RM, Boorman RS, Hiemstra LA, Lo IK, Hannaford HN, Fredine J, Sasyniuk TM, Paolucci EO.

3. **Effectiveness of Physical Therapy in Treating Atraumatic Full Thickness Rotator Cuff Tears. A Multicenter Prospective Cohort Study.**

4. **Anatomic Anterior Cruciate Ligament Reconstruction via Independent Tunnel Drilling: A systematic Review of Randomized Controlled Trials Comparing Patellar Tendon and Hamstring Autografts.**
   Ciccotti MC, Secrist E, Tjoumakaris F, Ciccotti MG, Freedman KB.

5. **Effect of Graft Choice on the Outcome of Revision Anterior Cruciate Ligament Reconstruction in the Multicenter ACL Revision Study (MARS) Cohort.**
   MARS Group.

6. **Hip arthroscopy versus best conservative care for the treatment of femoroacetabular impingement syndrome (UK FASHIoN): a multicentre randomised controlled trial.**

7. **Injections Prior to Rotator Cuff Repair Are Associated With Increased Rotator Cuff Revision Rates.**
8. **Predictors and Outcomes of Crossover to Surgery from Physical Therapy for Meniscal Tear and Osteoarthritis: A Randomized Trial Comparing Physical Therapy and Surgery.**

9. **Major complications after distal biceps tendon repairs: retrospective cohort analysis of 970 cases.**

10. **Patellofemoral Arthritis After Lateral Patellar Dislocation: A Matched Population-Based Analysis.**
Sanders T, Pareek A, Johnson N, Stuart M, Dahm D, Krych A.

11. **Inverse Relationship Between Radiographic Lateral Ankle Instability and Osteochondral Lesions of the Talus in Patients With Ankle Inversion Injuries.**
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12. **Cost-effectiveness Analysis of a Placebo-Controlled Randomized Trial Evaluating the Effectiveness of Arthroscopic Subacromial Decompression in Patients With Subacromial Shoulder Pain.**

13. **Cell Therapy in Orthopaedics: Where Are We in 2019?**
Rodeo A.

14. **No Difference in Functional Outcomes When Lateral Extra-articular Tenodesis is Added to Anterior Cruciate Ligament Reconstruction in young active patients: The Stability Study.**
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16. Opioid Consumption After Rotator Cuff Repair.

17. Physiotherapy as an Initial Treatment Option for Femoroacetabular Impingement: A Systematic Review of the Literature and Meta-analysis of 5 Randomized Controlled Trials.
Hoit G, Whelan B, Dwyer T, Ajrawat P, Chahal J.

18. A Majority of Anterior Cruciate Ligament Injuries Can Be Prevented by Injury Prevention Programs: A Systematic Review of Randomized Controlled Trials and Cluster-Randomized Controlled Trials with Meta-analysis.
Huang Y, Jung J, Mulligan C, Oh J, Norcross M.

Wang J, Ma JX, Zhu SW, Jia HB, Ma XL.

Samuelsen B, Webster K, Johnson N, Hewett T, Krych A.
Orthopaedic Trauma

1. **Injuries to the ankle syndesmosis.**
   Van Heest TJ, Lafferty PM.

2. **Controversies in the Intramedullary Nailing of Proximal and Distal Tibia Fracture.**
   Tejwani N, Polonet D, Wolinsky PR.

3. **Fracture fixation in the operative management of hip fractures (FAITH): an international, multicentre, randomized controlled trial.**
   Fixation using Alternative Implants for the Treatment of Hip fractures (FAITH) Investigators.

4. **Management of Hip Fractures in the Elderly: Evidence Based Clinical Practice Guideline.**
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5. **Plate Fixation Compared with Nonoperative Treatment for Displaced Midshaft Clavicular Fractures: A Multicenter Randomized Controlled Trial.**

6. **Controversies in Intramedullary Fixation for Intertrochanteric Hip Fractures.**
   Baldwin P, Lavender R, Sanders R, Koval K.

7. **Early Weightbearing and Range of Motion Versus Non-Weightbearing and Immobilization After Open Reduction and Internal Fixation of Unstable Ankle Fractures: A Randomized Controlled Trial.**

8. **Risk Factors for Conversion to Total Hip Arthroplasty After Acetabular Fractures Involving the Posterior Wall.**
   Firoozabad R, Hamilton B, Toogood P, Routt MC, Shearer D.
9. **Risk of Total Knee Arthroplasty After Operatively Treated Tibial Plateau Fracture: A Matched-Population-Based Cohort Study.**
   Wasserstein D, Henry P, Paterson J, Kreder H, Jenkinson R.

10. **Clinical Practice Guidelines for Pain Management in Acute Musculoskeletal Injury.**
    Hsu J, Mir H, Wally M, Seymour R; Orthopaedic Trauma Association Musculoskeletal Pain Task Force.

11. **Is the Caprini Score Predictive of Venothromboembolism Events in Orthopaedic Fracture Patients?**
    Dashe J, Parisien R, Pina M, De Giacomo A, Tornetta P.

12. **Early Immunologic Response in Multiply Injured Patients With Orthopaedic Injuries Is Associated With Organ Dysfunction.**

13. **Long-Term Survival of the Native Hip After a Minimally Displaced, Nonoperatively Treated Acetabular Fracture.**
    Clarke-Jenssen J, Wikeroy A, Roise O, Ovre S, Madsen JE.

14. **Time to Surgery and Patient Mortality in Geriatric Acetabular Fractures.**
    Glogovac G, Toan T, Archdeacon M.

15. **Does Operative Intervention Provide Early Pain Relief for Patients With Unilateral Sacral Fractures and Minimal or No Displacement?**

    Tornetta P, Yakavonis M, Veltre D, Shah A.
17. **Femoral Neck Shortening After Hip Fracture Fixation Is Associated With Inferior Hip Function: Results From the FAITH Trial**

18. **Volar Locking Plates Versus Augmented External Fixation of Intra-Articular Distal Radial Fractures: Functional Results from a Randomized Controlled Trial.**
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19. **Operative Versus Nonoperative Treatment of Proximal Humeral Fractures: A Systematic Review, Meta-Analysis, and Comparison of Observational Studies and Randomized Controlled Trials.**

20. **Effect of Surgery vs Functional Bracing on Functional Outcome Among Patients With Closed Displaced Humeral Shaft Fractures: The FISH Randomized Clinical Trial.**
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   Fabricant PD, Kocher MS.

2. **A comparison of two approaches for the closed treatment of low-energy tibial fractures in children.**
   Silva M, Eagan MJ, Wong MA, Dichter DH, Ebramzadeh E, Zionts LE.

3. **Imaging Pediatric Spondylolysis: A Systematic Review.**
   Tofte JN, CarlLee TL, Holte AJ, Sitton SE, Weinstein SL.

4. **Pediatric Acute Compartment Syndrome.**
   Livingston KS, Glotzbecker MP, Shore BJ.

5. **Management of the pulseless pediatric supracondylar humeral fracture.**
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6. **Operative Repair of Medial Patellofemoral Ligament Injury Versus Knee Brace in Children With an Acute First-Time Traumatic Patellar Dislocation: A Randomized Controlled Trial.**
   Askenberger M, Bengtsson Moström E, Ekström W, Arendt EA, Hellsten A, Mikkelsen C, Janarv P.

7. **Outcomes of Physeal-Sparing ACL Reconstruction with Iliotibial Band Autograft in Skeletally Immature Prepubescent Children.**
   Kocher M, Heyworth B, Fabricant P, Tepolt F, Micheli L.

8. **Nonoperative Management of Femoracetabular Impingement: A Prospective Study.**
   Pennock A, Bomar J, Johnson K, Randich K, Upasani V.

9. **Lack of Benefit of Physical Therapy on Function Following Supracondylar Humeral Fracture: A Randomized Controlled Trial.**
   Schmale G, Mazor S, Mercer L, Bompadre V.

11. **The Role of the Orthopaedic Surgeon in the Identification and Management of Nonaccidental Trauma.**
Ranade S, Allen A, Deutsch S.

12. **Pediatric Gartland Type-IV Supracondylar Humeral Fractures Have Substantial Overlap With Flexion-Type Fractures.**
Mitchell S, Sullivan B, Ho C, Abzug J, Raad M, Sponseller P.

Shore B, Gillespie B, Miller P, Bae D, Waters P.

14. **Natural History of the Dysplastic Hip Following Modern Periacetabular Osteotomy.**

15. **Understanding Skeletal Growth and Predicting Limb-Length Inequality in Pediatric Patients.**
Hubbard E, Liu R, Lobst C.

16. **Rebound Deformity After Growth Modulation in Patients With Coronal Plane Angular Deformities About the Knee: Who Gets It and How Much?**
Leveille L, Razi O, Johnston C.

17. **Complications After Pediatric ACL Reconstruction: A Meta-analysis.**
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19. When Should We Wean Bracing for Adolescent Idiopathic Scoliosis? 
Cheung J, Cheung P, Luk K. 

20. Minimum 5-Year Follow-up of Mehta Casting to Treat Idiopathic Early-Onset Scoliosis. 
Fedorak G, D'Astous J, Nielsen A, MacWilliams B, Heflin J. 
Shoulder and Elbow

1. **A Prospective Evaluation of Survivorship of Asymptomatic Degenerative Rotator Cuff Tears.**

2. **2013 Neer Award: predictors of failure of nonoperative treatment of chronic, symptomatic, full-thickness rotator cuff tears.**

3. **Intra-articular injection, subacromial injection, and hydrodilatation for primary frozen shoulder: a randomized clinical trial.**

4. **Arthroscopic Repair of Full-Thickness Rotator Cuff Tears With and Without acromioplasty: Randomized Prospective Trial With 2-Year Follow-up.**

5. **Propionibacterium in Shoulder Arthroplasty: What We Think We Know Today.**
   Hsu JE, Bumgarner RE, Matsen FA 3rd.

6. **How Satisfied Are Patients with Arthroscopic Bankart Repair? A 2-Year Follow-up on Quality-of-Life Outcome.**

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   Forsythe B, Agarwalla A, Puzzitiello RN, Sumner S, Romeo AA, Mascarenhas R.

8. **Neer Award 2018: the effect of preoperative education on opioid consumption in patients undergoing arthroscopic rotator cuff repair: a prospective, randomized clinical trial.**
9. Instability in Reverse Total Shoulder Arthroplasty.
   Chae J, Siljander M, Wiater J.

10. A Prospective Evaluation of Early Postoperative Complications After Distal Biceps Tendon Repairs.

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13. Reverse Shoulder Arthroplasty Versus Nonoperative Treatment for 3- Or 4-part Proximal Humeral Fractures in Elderly Patients: A Prospective Randomized Controlled Trial.

14. Clinical and Structural Outcome 20 Years After Repair of Massive Rotator Cuff Tears.

15. Reverse shoulder arthroplasty with and without latissimus and teres major transfer for patients with combined loss of elevation and external rotation: a prospective, randomized investigation.
    Young B, Connor P, Schiffern S, Roberts K, Hamid N.

17. Biceps Tenodesis Versus Tenotomy in the Treatment of Lesions of the Long Head of the Biceps Tendon in Patients Undergoing Arthroscopic Shoulder Surgery: A Prospective Double-Blinded Randomized Controlled Trial

18. Early Results of Augmented Anatomic Glenoid Components.
   Priddy M, Zarezadeh A, Farmer K, Struk A, King J, Wright T, Schoch B.

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20. Long-term Outcomes of Total Elbow Arthroplasty for Distal Humeral Fracture: Results From a Prior Randomized Clinical Trial.
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   Abdu WA, Sacks OA, Tosteson ANA, Zhao W, Tosteson TD, Morgan TS, Pearson A, Weinstein JN, Lurie JD.

3. **Efficacy and safety of surgical decompression in patients with cervical spondylotic myelopathy: results of the AOSpine North America prospective multi-center study.**

4. **Early versus delayed decompression for traumatic cervical spinal cord injury: results of the Surgical Timing in Acute Spinal Cord Injury Study (STASCIS).**

5. **Guideline summary review: An evidence-based clinical guideline for the diagnosis and treatment of degenerative lumbar spondylolisthesis.**

6. **Does intrawound vancomycin powder reduce surgical site infection after posterior instrumented spinal surgery? A propensity score-matched analysis.**
7. **Blood-loss Management in Spine Surgery.**
   Bible J, Mirza M, Knaub M.

8. **Preoperative Opioid Use as a Predictor of Adverse Postoperative Self-Reported Outcomes in Patients Undergoing Spine Surgery.**

9. **Efficacy, safety, and economics of bracing after spine surgery: a systematic review of the literature.**
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11. **Discriminative Ability of Commonly Used Indices to Predict Adverse Outcomes After Poster Lumbar Fusion: A Comparison of Demographics, ASA, the Modified Charlson Comorbidity Index, and the Modified Frailty Index.**

12. **Complexities of Spine Surgery in Obese Patient Populations: A Narrative Review.**
    Katsevman G, Daffner S, Brandmeir N, Emery S, France J, Sedney C.

13. **Venous Thromboembolism Prophylaxis in Spine Surgery.**
    Kepler C, McKenzie J, Kreitz T, Vaccaro A.

    Sebastian A, Huddleston P, Kakar S, Habermann E, Wagie A, Nassr A.

   Moskven E, Bourassa-Moreau E, Charest-Morin R, Flexman A, Street J.

17. Effects of Bracing on Clinical and Radiographic Outcomes Following Thoracolumbar Burst Fractures in Neurologically Intact Patients: A Meta-Analysis of Randomized Controlled Trials.
   Wallace N, McHugh M, Patel R, Aleem I.
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18. Back Pain and Quality of Life After Surgical Treatment for Adolescent Idiopathic Scoliosis at 5-Year Follow-up: Comparison with Healthy Controls and Patients with Untreated Idiopathic Scoliosis.

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Surgery of the Hand


2. Cast immobilization with and without immobilization of the thumb for non-displaced and minimally displaced scaphoid waist fractures: a multicenter, randomized, controlled trial.

3. Wrist ganglion treatment: systematic review and meta-analysis.
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   Wang K, Sears ED, Shauver MJ, Chung KC.

5. Trapeziometacarpal Arthrodesis or Trapeziectomy with Ligament Reconstruction in Primary Trapeziometacarpal Osteoarthritis: A Randomized Controlled Trial
   Vermeulen GM, Brink SM, Slijper H, Feitz R, Moojen TM, Hovius SE, Selles RW.

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8. The influence of vitamin C on the outcome of distal radial fractures: a double-blind, randomized controlled trial.
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9. **Percutaneous Needle Fasciotomy Versus Collagenase Treatment for Dupuytren Contracture: A Randomized Controlled Trial with a Two-Year Follow-up.**
   Stromberg J, Ibsen Sorensen A, Friden J.

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13. **Outcomes and Direct Costs of Needle Aponeurotomy, Collagenase Injection, and Fasciectomy in the Treatment of Dupuytren Contracture.**

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