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

2020 Knowledge Sources
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.

COVID-19 Sources - Journal of Bone and Joint Surgery

1. Novel Coronavirus and Orthopaedic Surgery: Early Experiences from Singapore.
   Chang Liang Z, Wang W, Murphy D, Po Hui JH.

2. Managing Resident Workforce and Education During the COVID-19 Pandemic.
   Schwartz AM, Wilson J, Boden SD, Moore TJ, Bradbury TL, Fletcher ND.


   Mi B, Chen L, Xiong Y, Xue H, Zhou W, Liu G.

General Orthopaedics

1. Controversies in the management of distal radius fractures.
   Koval K, Haidukewych GI, 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, Henson T.  

7. **Risk Factors and Predictors of Subsequent ACL Injury in Either Knee After ACL Reconstruction: Prospective Analysis of 2488 Primary ACL Reconstructions From the MOON Cohort.**  
   Kaeding C, Pedroza A, Reinke E, Huston L; MOON Consortium, Spindler K.  

8. **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.  

9. **Computed Tomography in the Diagnosis and Treatment of Ankle Fractures: A Critical Analysis Review.**  
   Rammelt S, Boszczyk A.  
   JBJS Rev. 2018 Dec;6(12):e7.

10. **Degenerative Rotator Cuff Tears: Refining Surgical Indications Based on Natural History Data.**  
    Keener J, Patterson B, Orvets N, Chamberlain A.  
11. **Opioids in Arthroplasty: Mind the Gap Between North America and the Rest of the World.**  
Agrawal Y, Smith R, Garbuz D, Masri B.  

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

13. **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.  

14. **Unplanned excision of soft-tissue sarcomas: current concepts for management and prognosis.**  
Pretell-Mazzini J, Barton M Jr, Conway S, Temple H.  

15. **Return to Play After Medial Collateral Ligament Injury.**  
Kim C, Chasse P, Taylor D.  

### 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.  

3. **Internal Fixation Compared with Total Hip Replacement for Displaced Femoral Neck Fractures: A Minimum Fifteen-Year Follow-up Study of a Previously Reported Randomized Trial.**  
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.
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6. The John Insall Award: Morbid obesity independently impacts complications, mortality, and resource use after TKA.
   D'Apuzzo M, Novicoff W, Browne J.

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8. High rate of infection after aseptic revision of failed metal-on-metal total hip arthroplasty.
   Wyles C, Van Demark R, Sierra R, Trousdale R.

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Kremers H, Abdel M, Ransom J, Larson D, Lewallen D, Berry D.

14. 2019 John Charnley Award: Increased risk of prosthetic joint infection following primary total knee and hip arthroplasty with the use of alternative antibiotics to cefazolin: the value of allergy testing for antibiotic prophylaxis.
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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.

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   Chen X, Yu L, Peng H, Jiang C, Ye C, Zhu S, Qian W.

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11. Thromboembolism After Intramedullary Nailing for Metastatic Bone Lesions.

    O'Carrigan B, Wong M, Willson M, Stockler M, Pavlakis N, Goodwin A.

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    Monument M, Bernthal N, Bowles A, Jones K, Randall R.

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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.

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7. **The Effectiveness of Platelet-Rich Plasma in the Treatment of Tendinopathy: A Meta-analysis of Randomized Controlled Clinical Trials.**
   Fitzpatrick J, Bulsara M, Zheng M.
8. **Injections Prior to Rotator Cuff Repair Are Associated With Increased Rotator Cuff Revision Rates.**

9. **Surgical versus non-surgical interventions for treating patellar dislocation.**
   Smith T, Donell S, Song F, Hing C.

10. **Predictors and Outcomes of Crossover to Surgery from Physical Therapy for Meniscal Tear and Osteoarthritis: A Randomized Trial Comparing Physical Therapy and Surgery.**

11. **Jones Fractures: Pathophysiology and Treatment.**
    Lareau C, Anderson R.
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Orthopaedic Trauma

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   Van Heest TJ, Lafferty PM.

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   Tejwani N, Polonet D, Wolinsky PR.

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9. **Plate Fixation Compared with Nonoperative Treatment for Displaced Midshaft Clavicular Fractures: A Multicenter Randomized Controlled Trial.**

10. **Plate Versus Tension-Band Wire Fixation for Olecranon Fractures: A Prospective Randomized Trial.**
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12. **Risk Factors for Conversion to Total Hip Arthroplasty After Acetabular Fractures Involving the Posterior Wall.**
    Firoozabadi R, Hamilton B, Toogood P, Routt MC, Shearer D.

13. **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.

14. **Assessment of resuscitation as measured by markers of metabolic acidosis and features of injury.**
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15. **Clinical Practice Guidelines for Pain Management in Acute Musculoskeletal Injury.**
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2. **A comparison of two approaches for the closed treatment of low-energy tibial fractures in children.**
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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.**
   Badkoobehi H, Choi PD, Bae DS, Skaggs DL.

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.**
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Shoulder and Elbow

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

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10. **Comparison of lesser tuberosity osteotomy to subscapularis peel in shoulder arthroplasty: a randomized controlled trial.**  
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14. **Reoperation Rates and Costs of Radial Head Arthroplasty Versus Open Reduction and Internal Fixation of Radial Head and Neck Fractures: A Retrospective Database Study.**  
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15. **A Prospective Evaluation of Early Postoperative Complications After Distal Biceps Tendon Repairs.**  
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4. **Early versus delayed decompression for traumatic cervical spinal cord injury: results of the Surgical Timing in Acute Spinal Cord Injury Study (STASCIS).**

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6. **Role of Weekly Teriparatide Administration in Osseous Union Enhancement within Six Months After Posterior or Transforaminal Lumbar Interbody Fusion for Osteoporosis-Associated Lumbar Degenerative Disorders: A Multicenter, Prospective Randomized Study.**

7. **Assessing the utility of a clinical prediction score regarding 30-day morbidity and mortality following metastatic spinal surgery: the New England Spinal Metastasis Score (NESMS).**
Schoenfeld A, Le H, Marjoua Y, Leonard D, Belmont P Jr, Bono C, Harris M.
8. **Operative Versus Nonoperative Treatment for Adult Symptomatic Lumbar Scoliosis.**

9. **Does intrawound vancomycin powder reduce surgical site infection after posterior instrumented spinal surgery? A propensity score-matched analysis.**

10. **Blood-loss Management in Spine Surgery.**
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13. **Efficacy, safety, and economics of bracing after spine surgery: a systematic review of the literature.**
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14. **Efficacy of tranexamic acid on surgical bleeding in spine surgery: a meta-analysis.**

15. **A 20-Year Prospective Longitudinal Study of Degeneration of the Cervical Spine in a Volunteer Cohort Assessed Using MRI: Follow-up of a Cross-Sectional Study.**

18
Surgery of the Hand


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

3. Wrist ganglion treatment: systematic review and meta-analysis.
   Head L, Gencarelli JR, Allen M, Boyd KU.

   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.

6. Pediatric Phalanx Fractures.
   Abzug J, Dua K, Bauer A, Cornwall R, Wyrick T.

7. Association Between Distal Radial Fracture Malunion and Patient-Reported Activity Limitations: A Long-Term Follow-up.

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   Ekrol I, Duckworth A, Ralston S, Court-Brown C, McQueen M.

10. Comparison of ultrasound and electrodiagnostic testing for diagnosis of carpal tunnel syndrome: study using a validated clinical tool as the reference standard.
    Fowler J, Munsch M, Tosti R, Hagberg W, Imbriglia J.

11. The impact of depression and pain catastrophization on initial presentation and treatment outcomes for atraumatic hand conditions.
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    Strömberg J, Ibsen Sörensen A, Fridén J.

14. A Comparison of the Effect of One, Three, or Six Weeks of Immobilization on Function and Pain After Open Reduction and Internal Fixation of Distal Radial Fractures in Adults: A Randomized Controlled Trial.
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    Weinheimer K, Michelotti B, Silver J, Taylor K, Payatakes A.