

Peer Reviewed Publications

Forlizzi J, Mennona S, McDonnell M, Chiappetta G, Rogalski S. Discovery of thoracic osteoma after elective lumbar spinal surgery: a case report. *AME Case Reports*. 2019 Apr 24;3:10. doi: 10.21037/acr.2019.04.02. eCollection 2019.

Caruso C, McDonnell M, Chiappetta G. Development of post-operative spinal arteriovenous fistula after lumbar laminectomy, decompression and posterior spinal fusion. *J Am Acad Orthop Surg Glob Res Rev*. 2017 Oct 9;1(6):e041. eCollection 2017 Sep.

McDonnell M, Shah KN, Paller DJ, Thakur NA, Koruprolu S, Palumbo MA, Daniels AH. Biomechanical analysis of pedicle screw fixation of thoracolumbar burst fractures. *Orthopedics*. 2016 May 2:1-5.

Seuffert P, Sagebien CA, McDonnell M, O'Hara DA. Evaluation of Osteoporosis Risk and Initiation of a Nurse Practitioner Intervention Program in an Orthopaedic Practice. *Archives of Osteoporosis*. 2016 Feb;11(1):10.

Bateman D, McDonnell M, Kepler CK. Value and Cost Effectiveness of Common Spinal Surgical Procedures. *Contemporary Spine Surgery*. 2015, Sep;16(9):1-8.

Borenstein TR, Cohen E, McDonnell M, Kamal RN, Hayda RA. Deltoid compartment syndrome after prolonged lateral decubitus positioning. *JBJS Case Connect*. 2015, May 27;5(2):e45.

Hilibrand AS, McDonnell M. Commentary on: "Sagittal Alignment As a Predictor of Clinical Adjacent Segment Pathology requiring Surgery after Anterior Cervical Arthrodesis". *Spine J*. 2014, Jul 1;14(7):1235-6.

Bariteau JT, Waryasz GR, McDonnell M, Fischer SA, Hayda RA, Born CT. Fungal Osteomyelitis and Septic Arthritis. *J Am Acad Orthop Surg*. 2014, June;22(6):390-401.

Daniels AH, McDonnell M, Born CT, Hayda RA, Ehrlich MG, Trafton PG, Fischer SA, DiGiovanni CW. Critical analysis of a trauma fellowship modeled 6-year orthopaedic surgery training program. *J Bone Joint Surg (Am)*. 2013, Aug 7;95(15):e1081-8.

Thakur NA, McDonnell M, Paller D, Palumbo M. Wound hematoma after anterior cervical spine surgery: in-vitro study of the pathophysiology of airway obstruction. *Am J Orthop*. 2013, June;42(6):E35-7.

Daniels AH, Paller DJ, Koruprolu S, McDonnell M, Palumbo MA, Crisco JJ. Dynamic biomechanical examination of the lumbar spine with implanted total disc replacement (TDR) utilizing a pendulum testing system. *Spine (Phila Pa 1976)*. 2012, Nov 1;37(23):E1438-43.

Thakur NA, McDonnell M, Got CJ, Arcand N, Spratt KF, DiGiovanni CW. Injury patterns causing isolated foot compartment syndrome. *J Bone Joint Surg (Am)*. 2012, June 6;94(11):1030-5. McDonnell M, Lucas P. Cervical spondylosis, stenosis and rheumatoid arthritis. *Med Health R.I.* 2012, April; 95(4): 105-9.

Drolet BC, Spalluto LB, Zuckerman M, McDonnell M. New ACGME Rules for Supervision and Duty Hours: Resident Commentary. *Med Health R.I.* 2011, June; 94(6): 169-71. Liporace FA, Kinchelov T, Gupta S, Kubiak EN, McDonnell M. Mini fragment screw fixation of oblique metacarpal fractures: A biomechanical analysis of screw types and techniques. *Hand*. 2008, Dec; 3(4): 311-15.

McDonnell M, Schachter AK, Phillips DP, Liporace FA. Acetabular fracture through the triradiate cartilage after low energy trauma. *J Orthop Trauma*. 2007; 21(7): 495-8. Book Chapters

Park AG, Koerner JD, McDonnell M, Radcliff K: Anticoagulation, Venous Thromboembolism, and Prophylaxis in Spine Surgery, Chapter 9. In Vaccaro AR, Koerner JD, Kim DH (eds.): *Recent Advances in Spinal Surgery*, JP Medical Publishers, 2016.

McDonnell M, Daniels AH, Palumbo MA: Spine. In Kamal RN, Weiss APC (eds.) *Comprehensive Board Review in Orthopedic Surgery*. Thieme Publishers, 2016.

McDonnell M, Hughes A, Vaccaro AR: Evaluation and Management of Traumatic and Infectious Kyphosis. In

Haid RW, Shaffrey C, Youssef J, Schwab, F (eds.): *Global Spinal Alignment: Principles, Pathologies, and Procedures*. Quality Medical Publishing, 2015.

Presentations

Sagebien C, Chiappetta G, McDonnell M, Kiss G, Harwood D. A Protocol for DVT Prevention Based on the Caprini Score Reduces the Incidence of Post-operative Venous Thrombosis in Elective Orthopaedic Surgery. Poster No. PO963, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 6-10, 2018.

McDonnell M, Bateman D, Kepler, CK, Vaccaro AR. Value and Cost Effectiveness of Treatment of Surgery for Common Spinal Surgical Procedures. Spine Technology and Educational Group Organization 11th Annual Symposium, Los Cabos, Mexico, June 28, 2014.

McDonnell M, Paller D, Thakur NA, Daniels AH, Koruprolu S, Palumbo MA. Biomechanical Analysis of Pedicle Screw Fixation Constructs for Stabilization of Thoracolumbar Burst Fractures. Electronic Presentation Paper No. P55, North American Spine Society Annual Meeting, New Orleans, LA, October 9-12, 2013.

Daniels AH, McDonnell M, Born CT, Hayda RA, Ehrlich MG, Trafton PG, Fischer SA, DiGiovanni CW. Critical Analysis of a Trauma Fellowship Modeled 6-year Orthopaedic Surgery Training Program. Paper No. 760, American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, March 22, 2013.

Daniels AH, Paller D, Koruprolu S, McDonnell M, Palumbo MA, Crisco JJ. Dynamic Biomechanical Examination of the Lumbar Spine with Implanted Total Disc Replacement (TDR) Utilizing a Pendulum Testing System. Paper No. 35, Lumbar Spine Research Society, Chicago, IL, April 26, 2012.

Daniels AH, Koruprolu S, Paller D, McDonnell M, Crisco JJ. Dynamic Biomechanical Examination of the Lumbar Spine with Implanted Total Spinal Segment Replacement (TSSR) Utilizing a Pendulum System. Poster No. 1155, Orthopaedic Research Society Annual Meeting, San Francisco, CA, February 4-5, 2012.

McDonnell M, Thakur NA, Got CJ, Arcand N, Spratt KF, DiGiovanni C. Injury Patterns Causing Isolated Foot Compartment Syndrome. Podium Presentation 049, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, CA, February 15, 2011.