

Scientific Papers and Publications Featuring Medical Metrics® Technology and Methods

Peer-reviewed Journal Papers and Book Chapters

- 2017**
1. Peppers TA, Bullard DE, Vanichkachorn JS, et al. Prospective clinical and radiographic evaluation of an allogeneic bone matrix containing stem cells (Trinity Evolution® Viable Cellular Bone Matrix) in patients undergoing two-level anterior cervical discectomy and fusion. *Journal of Orthopaedic Surgery and Research* 2017; 12(1):67
 2. Arts MP, Wolfs JF, Corbin TP. Porous silicon nitride spacers versus PEEK cages for anterior cervical discectomy and fusion: clinical and radiological results of a single-blinded randomized controlled trial. *European Spine Journal* 2017:1-8
 3. Coathup MJ, Blunn GW, Campion C, Ho CY, Hing KA. The effect of increased microporosity on bone formation within silicate-substituted scaffolds in an ovine posterolateral spinal fusion model. *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 2017; 105(4):805-814
- 2016**
4. Parker SL, Grahovac G, Vukas D, et al. Effect of an Annular Closure Device (Barricaid) on Same-Level Recurrent Disk Herniation and Disk Height Loss After Primary Lumbar Discectomy: Two-year Results of a Multicenter Prospective Cohort Study. *Clinical Spine Surgery* 2016; 29:454-460
 5. Hosseini P, Nnadi C, Reháč L, et al. Analysis of Segmental Mobility Following a Novel Posterior Apical Short-Segment Correction for Adolescent Idiopathic Scoliosis. *Spine* 2016; 41:E1223-E1229
 6. Bae HW, Davis RJ, Laurysen C, Leary S, Maislin G, Musacchio Jr MJ. Three-year follow-up of the prospective, randomized, controlled trial of coflex interlaminar stabilization vs instrumented fusion in patients with lumbar stenosis. *Neurosurgery* 2016; 79(2):169-181.
 7. Pekmezci M, Tang JA, Cheng L, et al. Comparison of expandable and fixed interbody cages in a human cadaver corpectomy model: fatigue characteristics. *Clinical Spine Surgery* 2016; 29:387-393
 8. Patwardhan AG, Caradang G, Voronov LI, Havey RM, Paul GA, Laurysen C, Coric D, Dimmig T, Musante D. Are Collapsed Cervical Discs Amenable to Total Disc Arthroplasty: Analysis of Prospective Clinical Data with 2-Year Follow-Up. *Spine* 2016; 41(24):1866-75
 9. Arnold PM, Sasso RC, Janssen ME, Fehlings MG, Smucker JD, Vaccaro AR, Heary RF, Patel AI, Goulet B, Kalfas IH, Kopjar B. Efficacy of I-Factor Bone Graft versus Autograft in Anterior Cervical Discectomy and Fusion: Results of the Prospective, Randomized, Single-blinded Food and Drug Administration Investigational Device Exemption Study. *Spine* 2016; 41(13):1075-83
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 11. Zigler JE, Rogers RW, Ohnmeiss DD. Comparison of 1-Level Versus 2-Level Anterior Cervical Discectomy and Fusion: Clinical and Radiographic Follow-Up at 60 Months. *Spine* 2016; 41:463-9
 12. Yucesoy K, Yuksel K, Yuksel M, Kalemci O, Altun I. Changes in Sagittal Alignment after Cervical Disc Arthroplasty: Results of a Pilot Study. *J Spine* 2016; 5(1)
 13. Guyer RD, Pettine K, Roh JS, Dimmig TA, Coric D, McAfee PC, et al. Five-year follow-up of a prospective, randomized trial comparing two lumbar total disc replacements. *Spine* 2016; 41(1):3-8
 14. Vanichkachorn J, Peppers T, Bullard D, Stanley SK, Linovitz RJ, Ryaby JT. A prospective clinical and radiographic 12-month outcome study of patients undergoing single-level anterior cervical discectomy and fusion for symptomatic cervical degenerative disc disease utilizing a novel viable allogeneic, cancellous, bone matrix (Trinity Evolution™) with a comparison to historical controls. *European Spine Journal* 2016; 25:2233-8.
 15. Barth M, Fontana J, Thomé C, Bouma GJ, Schmieder K. Occurrence of discal and non-discal changes after sequestrectomy alone versus sequestrectomy and implantation of an anulus closure device. *Journal of Clinical Neuroscience* 2016
 16. Garcia R, Yue JJ, Blumenthal SL, Coric D, Patel VV. Lumbar Total Disc Replacement for Discogenic Low Back Pain: Primary Powered Endpoint Outcomes of the ActivL® IDE Clinical Trial. *The Spine Journal* 2016; 16(10):S260
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