

Scientific Publications Featuring Medical Metrics' Technology and Methods for Spine Clinical Trials

The following bibliography features peer-reviewed journal articles, book chapters, and industry guidance documents involving work performed by Medical Metrics during spine clinical trials and research studies.

1. Hipp J, Grieco T, Newman P, Patel V, Reitman C. **Reference Data for Diagnosis of Spondylolisthesis and Disc Space Narrowing Based on NHANES-II X-rays.** *Bioengineering*. 2024 Apr 8;11(4):360.
2. Reijmer JF, de Jong LD, Kempen DH, Arts MP, van Susante JL. **Clinical Utility of An Intervertebral Motion Metric for Deciding on the Addition of Instrumented Fusion in Degenerative Spondylolisthesis.** *Spine*. 2024 Jan 12;10-97.
3. Grieco TF, McKnight B, Wang JC, Buser Z. **Evaluating the Prevalence of Motion Abnormalities at Treatment Levels and Nontreatment Levels in Lumbar Stenosis and Spondylolisthesis Patients.** *Spine*. 2023 Oct 1;48(19):1405-7.
4. Guyer RD, Coric D, Nunley PD, Ohnmeiss DD. **Cervical Total Disk Replacement: Available Implant Size Matters.** *Clin Spine Surg*. 2022 May 1;35(4):166-169.
5. John A. Hipp, Trevor F. Grieco, Patrick Newman, Vikas V. Patel, Charles A. Reitman. **Factors in measuring lumbar spondylolisthesis with reference data from NHANES-II.** (not peer-reviewed)
6. Hipp JA, Grieco TF, Newman P, Reitman CA. **Definition of Normal Vertebral Morphometry Using NHANES-II Radiographs.** *JBMR Plus*. 2022 Sep 27;6(10):e10677.
7. Daniel Park, Joshua Wind, Todd Lansford et al. **Twenty-four-month interim results from a prospective clinical trial evaluating the performance and safety of a cellular bone allograft in patients undergoing lumbar spinal fusion.** 13 July 2022, PREPRINT (Version 1) available at Research Square.
8. McEntire BJ, Maslin G, Bal BS. **Two-year results of a double-blind multicenter randomized controlled non-inferiority trial of polyetheretherketone (PEEK) versus silicon nitride spinal fusion cages in patients with symptomatic degenerative lumbar disc disorders.** *J Spine Surg*. 2020 Sep;6(3):523-540.
9. Coric D, Guyer RD, Bae H, Nunley PD, Streng KB, Peloza JH, Boltz MO, Ohnmeiss DD. **Prospective, multicenter study of 2-level cervical arthroplasty with a PEEK-on-ceramic artificial disc.** *Journal of Neurosurgery: Spine* 2022, 1(aop):1-11.
10. Daffner SD, Bunch JT, Burton DC, Milam IV RA, Park DK, Streng KB, Whang PG, An HS, Kopjar B. **Better Functional Recovery After Single-Level Compared With Two-Level Posterolateral Lumbar Fusion.** *Cureus* 2022, 14(3).
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12. Spivak JM, Zigler JE, Philipp T, Janssen M, Darden B, Radcliff K. **Segmental Motion of Cervical Arthroplasty Leads to Decreased Adjacent-Level Degeneration: Analysis of the 7-Year Postoperative Results of a Multicenter Randomized Controlled Trial.** *International Journal of Spine Surgery* 2022, 16(1):186-193.
13. Boody B, Khalil J, Grunch B, Musacchio M, Vokshoor A. **Preliminary 12-Month Safety and Efficacy Outcomes for the Treatment of Cervical Radiculopathy and Myelopathy with the Stalif-C Integrated Interbody Fusion Device.** *Journal of Surgery & Anesthesia Research SRC/JSAR-133 DOI: [https://doi.org/10.47363/JSAR/2021\(2\)2021](https://doi.org/10.47363/JSAR/2021(2)2021)*, 128:3.
14. Guyer RD, Coric D, Nunley PD, Sasso RC, Musacchio M, Bae HW, Peloza JH, Ohnmeiss DD. **Single-Level Cervical Disc Replacement Using a PEEK-on-Ceramic Implant: Results of a Multicenter FDA IDE Trial With 24-Month Follow-up.** *International Journal of Spine Surgery* 2021, 15(4):633-644.
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