

Ravi Kumar Ponnappan

- **Posters/Presentations**
- **Ponnappan** RK, Y Zhang, FM Phillips. “Transplantation of BMP-transduced chondrocytes to reverse intervertebral disc degeneration in the rabbit.” Podium Presentation. Cervical Spine Research Society Annual Meeting 2006. Palm Beach, FL.
- Singh K., **RK Ponnappan**, G Cs-Szabo, HS An, K Nakagawa, K Akeda, K Miyamoto, EJ Thonar, K Masuda. “In Vitro Formation Of Tissue-Engineered Cartilage By Expanded Osteoarthritic Human Chondrocytes.” Poster Presentation, AAOS 2005, Washington, D.C.
- **Ravi K. Ponnappan**. “Update on PEEK rod technology in Spine Surgery.” Podium Presentation. Controversies in Spine Surgery seminar. Washington, D.C., May 2008.
- **Ravi K. Ponnappan**. “Augmentation of Pedicle screw fixation in Osteoporosis.” Podium Presentation. Aging Spine Instruction and Techniques Course. Ft. Lauderdale, FL- July 2008.
- **Ravi K. Ponnappan**. “Update on cervical Total Disc Replacement.” Podium Presentation. Jefferson Spine Fellows Annual Meeting. Orlando, FL- July 2008.
- Serhan H, AR Vaccaro, **RK Ponnappan**. “Pedicle Based Posterior Posterior Dynamic Devices.”2008.
- Nassr AN, JC Eck, **RK Ponnappan**, RR Zanon, WF Donaldson III, JD Kang. “The Incidence of C5 Palsy after Multilevel Cervical Decompression Procedures: A Review of 750 Consecutive Cases.” Paper#15. Podium presentation, Cervical Spine Research Society Annual Meeting 2008 Austin, TX.

- Rihn JA, HE Smith, **RK Ponnappan**, M Risbud, DG Anderson, AR Vaccaro, AS Hilibrand, and TJ Albert. "Evaluation of the Time- and Dose-Dependent Cytotoxic Effects of Lidocaine on Bovine Nucleus Pulposus Cells In Vitro." Poster presentation. Cervical Spine Research Society Annual Meeting 2008 Austin, TX.
- Ploumis A, **RK Ponnappan**, MG Maltenfort, RX Patel, JT Bessey, TJ Albert, JS Harrop, CG Fisher, CM Bono, AR Vaccaro. "Thrombophylaxis in Patients with Acute Spinal Injuries: An Evidence-based Analysis." Paper ID#108. 16th International Meeting on Advanced Spine Techniques (IMAST), Vienna, Austria, July 15-18, 2009

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- Lee JY, A Nassr, **RK Ponnappan**. "Slowly Evolving Epidural Hematoma Causing Paraplegia

- After A Fluoroscopically Guided Cervical Nerve Root Injection: A case report and review of literature.” J Bone Joint Surg Am. 200Sep;89(9):2037-9.
- **RK Ponnappan**, H Sehran, B Zarda, R Patel, TJ Albert, AR Vaccaro. “Biomechanical evaluation and Comparison of Polyetheretherketone Rod System to Traditional Titanium Rod Fixation” .
- Spine J. 2009 Mar;9(3):263-7. Epub 2008 Oct 1.
- Cedric Y. Barrey, **Ravi K. Ponnappan**, and Alexander R. Vaccaro, MD. Biomechanical
- Evaluation of Pedicle Screw-Based Dynamic Stabilization Devices for the Lumbar Spine: A Systematic Review. SAS Journal. December 2008; 2:130–136
- Ploumis A, **Ponnappan RK**, Bessey JT, Patel R, Vaccaro AR. “Thromboprophylaxis in spinaltrauma surgery: consensus among spine trauma surgeons.” Spine J. 2009 Feb 27. [Epub ahead of print]
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- Siska, PA, **RK Ponnappan**, JB Hohl, JY Lee, JD Kang, and WF Donaldson III. “Dysphagia
- Following Anterior Cervical Spine Surgery: A Prospective Study Using the SWAL-QOL Questionnaire and Analysis of Patient Co-morbidities.” Submitted for publication in Spine
- **Publications, non-peer reviewed**
- **Ponnappan RK** and Hilibrand AS. “Adjacent Segment Disease in the Cervical Spine: Fact or Fiction.” Current Opinion In Orthopedics, Special Focus Section. 2008; Vol. 19(1a).

- Hong J, Lawrence JP, **Ponnappan RK**, Winegar CD, Fernandez C, Friel B, Maltenfort M, Anderson P, and Vaccaro AR. “Atlanto-Axial Arthrodesis: A Systematic Review of Methods and Outcomes” submitted for publication
- **Book Chapters**
 - Reflex Anterior Cervical Plate. Singh K, **RK Ponnappan**, and AR Vaccaro. In Kim DH, Vaccaro AR, Fessler R. Surgical Techniques in Spinal Instrumentation, 2004.
 - Thoracolumbar Fractures. **Ponnappan RK** and JY Lee. Chapter In Orthopedic Knowledge Update 9. AAOS 2007.
 - Anterior Decompression, Instrumentation, Fusion Techniques: discectomy, foraminotomy, disc space carpentry. **RK Ponnappan**, A Nassr, JD Kang. Textbook of Operative Spine Surgery 2008. Accepted for publication.
 - Anterior Cervical Corpectomy and Fusion Techniques. A Nassr, **RK Ponnappan**, JD Kang. Textbook of Operative Spine Surgery 2008. Accepted for publication.
 - An overview of pedicle screw based dynamic stabilization devices for the lumbar spine. Song JJ, Barrey, CY, **Ponnappan RK**, Fernandez C, Winegar C, Vaccaro AR. Emerging Techniques in Spine Surgery. Jaypee Brothers publishers. Editor. Arvind Bhave. 2008.
 - Biomechanical Bases of Pedicle Screw-Based Dynamic Stabilization Devices for the Lumbar Spine. CY Barrey, **RK Ponnappan**, AR Vaccaro. 2008. Motion Sparing Technologies. A Confirmer publisher. Editors: Szpalski and Gunzburg.

- Pedicle Screw-Based Dynamic Stabilization Devices for the Lumbar Spine: Biomechanical
- Concepts, Technologies, Classification and Clinical Results. Barrey C, Vaccaro AR, Song J,
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- **Ponnappan RK**, Perrin G. Publisher: Springer. Editor: Pr JL Husson
- **Abstracts**
- **Ponnappan RK**, Y Zhang, FM Phillips. "Transplantation of BMP-transduced chondrocytes to
- reverse intervertebral disc degeneration in the rabbit." Abstract. Cervical Spine Research
- Society Annual Meeting 2006. Palm Beach, FL.
- Ploumis A, **RK Ponnappan**, MG Maltenfort, RX Patel, JT Bessey, TJ Albert, JS Harrop, CG
- Fisher, CM Bono, AR Vaccaro. "Thromboprophylaxis in Patients with Acute Spinal Injuries: An
- Evidence-based Analysis." Paper ID#108. 16th International Meeting on Advanced Spine
- Techniques (IMAST), Vienna, Austria, July 15-18, 2009.
- Yejia Zhang, **Ravi K. Ponnappan**, D. Greg Anderson, Frank M. Phillips. "Musculoskeletal
- Transplantation of Chondrocytes Overexpressing Bone Morphogenetic Proteins to Reverse
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- Rehabil Vol 88, September 2007.