

Robert K. Hurford, Jr. MD/Ph.D
Orthopedic Spine Surgeon

Work: Southeast Orthopedic Specialists
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EMPLOYMENT

Jun 2010 – Present Southeast Orthopedic Specialists, Inc.
 Jacksonville, FL
 Orthopedic Surgeon

Aug. 2004 - May 2010 Orthopedic Spine Surgeon
 Carle Spine Institute; Urbana, IL.
 Elected Associate, Carle Clinic 2006

HOSPITAL AFFILIATION

2010 – Present St. Vincent’s Medical Center, Jacksonville, FL
2010 – Present St. Luke’s Hospital, Jacksonville, FL
2010 – Present Center One Surgery Center, Jacksonville, FL
Aug. 2004- May 2010 Carle Foundation Hospital, Urbana, IL.

MEDICAL LICENSES

Florida
Missouri

BOARD CERTIFICATION

American Board of Orthopaedic Surgery, July 2007.

ACADEMIC APPOINTMENT

Dec. 2004 Clinical Instructor, Department of Surgery
 University of Illinois College of Medicine at Urbana-Champaign.

PROFESSIONAL TRAINING

2003 – 2004 Spine Surgery Fellowship, Washington University, St. Louis, MO.

1999 – 2003 Harvard Combined Orthopaedic Surgery Residency Program,
 Boston, MA.

1998 – 1999 Surgical Internship at Massachusetts General Hospital, Boston, MA.

Robert K. Hurford Jr. MD/Ph.D

EDUCATION

- 1990 – 1998 Harvard Medical School, Boston, MA.
 Medical Scientist Training Program Scholarship.
MD degree 1998 from the HST Program.
Ph.D degree 1998 in the subject of Genetics.
- 1986 – 1990 Harvard College, Cambridge, MA.
 Graduated *summa cum laude* with A.B. in Biochemical Sciences.
- 1982 – 1986 Parkway Central Senior High School, Chesterfield, MO.
 Graduated Valedictorian, June 1986.

PROFESSIONAL AFFILIATIONS

American Academy of Orthopaedic Surgeons, Fellow, Class of 2009
 North American Spine Society, Member
 American Medical Association, Member

Contributions to Medical Literature:

Hurford Jr. RK, Lenke LG, Lee SS, Cheng I, Sides B, Bridwell KH. Prospective radiographic and clinical outcomes of dual rod instrumented anterior spinal fusion in adolescent idiopathic scoliosis: comparison with single rod constructs. *Spine*. 2006 Sep 15;31(20): 2322-8.

Cheng I, Kim YJ, Gupta MC, Bridwell KH, **Hurford RK**, Lee SS, Theerajunyaporn T, Lenke LG. Apical sublaminar wires versus pedicle screws – which provides better results for surgical correction of adolescent idiopathic scoliosis? *Spine*. 2005 Sep 15;30(18) 2104-12.

Riew KD, **Hurford RK Jr**, Taylor B. Microsurgery of the Cervical Spine. *Minerva Ortopedica e Traumatologica*, 2004;55 185-200.

Other Scientific Contributions:

Bruce JL, **Hurford RK Jr**, Classon M, Koh J, Dyson N. Requirements for cell cycle arrest by p16INK4a. *Mol Cell*. 2000 Sep;6(3): 737-42.

Hurford RK Jr, Cobrinik D, Lee MH, Dyson N. pRB and p107/p130 are required for the regulated expression of different sets of E2F responsive genes. *Genes Dev*. 1997 Jun 1;11(11): 1447-63.

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Hurford RK Jr, Dranoff G, Mulligan RC, Tepper RI. Gene therapy of metastatic cancer by *in vivo* retroviral gene targeting. *Nat Genet.* 1995 Aug;10(4): 430-5.

Wei MX, Tamiya T, **Hurford RK Jr**, Boviatsis EJ, Tepper RI, Chiocca EA. Enhancement of interleukin-4-mediated tumor regression in athymic mice by *in situ* retroviral gene transfer. *Hum Gene Ther.* 1995 Apr;6(4): 437-43.

Boviatsis EJ, Chase M, Wei MX, Tamiya T, **Hurford RK Jr**, Kowall NW, Tepper RI, Breakefield XO, Chiocca EA. Gene transfer into experimental brain tumors mediated by adenovirus, herpes simplex virus, and retrovirus vectors. *Hum Gene Ther.* 1994 Feb;5(2): 183-91.

Johnson CA, Densen P, **Hurford RK Jr**, Colten HR, Wetsel RA. Type I human complement C2 deficiency. A 28-base pair gene deletion causes skipping of exon 6 during RNA splicing. *J Biol Chem.* 1993 Jan 25;268(3):2268.

Johnson CA, Densen P, **Hurford RK Jr**, Colten HR, Wetsel RA. Type I human complement C2 deficiency. A 28-base pair gene deletion causes skipping of exon 6 during RNA splicing. *J Biol Chem.* 1992 May 5;267(13):9347-53.

SPINE MEETING PARTICIPATION

Hurford RK Jr, Lenke LG, Lee SS, Cheng I, Sides B, Bridwell KH. "Prospective Radiographic and Clinical Outcomes of Dual Rod Instrumented Anterior Spinal Fusion in Adolescent Idiopathic Scoliosis: Comparison with Single Rod Constructs. Presentation accepted SRS 40th Annual Meeting, Oct. 2005

Cheng I, Kim Y, Gupta M, Lenke L, Bridwell K, **Hurford R Jr**, Lee S. Apical sublaminar wires versus pedicle screws – which provides better results for surgical correction of adolescent idiopathic scoliosis? SRS 39th Annual Meeting, Sept. 2004.

Cheng I, Bridwell K, Lenke L, **Hurford R Jr**, Lee S, Chen R. Use of bone morphogenetic protein-2 for anterior and posterior adult spinal deformity fusion. IMAST 11th International Meeting, July 2004.

Lee S, Lenke L, Peele M, Okubadejo G, Cheng I, **Hurford R Jr**, Sides B. Preserving the degenerated L5-S1 segment in degenerative lumbar fusion surgery in an older patient population: is it possible? IMAST 11th International Meeting, July 2004.

Hurford RK Jr and Ozuna R M. Posterior Ligamentous Tension During Flexion of Human Cadaver Cervical Spine Specimens. CSRS 31st Annual Meeting, Dec. 2003.

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PARTICIPATION AS INVITED FACULTY AT SPINE COURSES

Cervical Spine Stabilization Pre-meeting Workshop, North American Spine Society, 20th Annual Meeting, Philadelphia, PA, September 2005.

Cervical Spine Stabilization Pre-meeting Workshop, North American Spine Society, 19th Annual Meeting, Chicago, IL, October 2004.

The 10th Advanced Techniques in Cervical Spine Decompression and Stabilization, Practical Anatomy Workshop, St. Louis, MO, July 2004.

Advanced Techniques in Spinal Decompression and Fixation, Practical Anatomy Workshop, St. Louis, MO, April 2004.

The 9th Advanced Techniques in Cervical Spine Decompression and Stabilization, Practical Anatomy Workshop, St. Louis, MO, January 2004.

OTHER LECTURES

2005, 2006 Orthopaedic Grand Rounds, Carle Foundation Hospital, Common Cervical Spine Problems.

2004 Trauma Focus Series, Carle Foundation Hospital, Cervical Trauma.

2003 Orthopaedic Grand Rounds, Washington University in St. Louis, Pediatric Spondylolisthesis.

HONORS

2003 Jack Barrett Resident Research Award for best basic science project.

1992 Avery Dennison Fellow.

1990 Elected to *Phi Beta Kappa* at Harvard College.

1990 Awarded a Thomas T. Hoopes prize for senior thesis.

1990 Received the Blumberg Creative Science Award.

1988 – 1990 John Harvard Scholarship.

1988 Gold Congressional Award Recipient.

1986 National Merit Scholarship Winner.

INTERESTS

Golf, Downhill Skiing, Scuba Diving.