

CURRICULUM VITAE

DOUGLAS K. SMITH, MD

Home Address: 101 Bretford Court
San Antonio, TX 78230
(210) 887-3789

Birthdate: July 4, 1956
Jacksonville, NC

Medical Expertise: Musculoskeletal (MSK) radiology
Missed/Incorrect diagnosis
Procedural Complications
Spine imaging
Spinal instrumentation placement
Evaluation of spinal surgical procedures
Imaging evaluation of complications
Hand and Wrist Imaging
Sports Medicine Imaging
Pain Management Injection Procedures
Procedural complications
Evaluation of implant placement
Percutaneous Vertebroplasty/Kyphoplasty
Musculoskeletal Oncology

Expert Witness History (5yrs): Medical case merit evaluations: 20
Expert Witness written reports: 5
All cases settled
Depositions: None
Court Appearances: None

Legal Case Mix: Equal distribution Plaintiff/Defense

Personal/Professional Status Medical Malpractice Claims: None
Medical Disciplinary Actions: None
Medical Board Actions: None
Criminal record: None

Education:

1974-1978

Undergraduate

Bachelor of Arts-Biology
Hendrix College Conway, AR 72032

1980-1984

Medical School

Bowman Gray School of Medicine
Wake Forest University
Winston-Salem NC 27103

Medical Certification:

July 1, 1985

National Board Medical Examiners

June 15, 1991

American Board of Radiology
Recertification March 19, 2007

State Licensures:

Active Licensure in 35 states

Academic Honors:**Alpha Omega Alpha**

Winston-Salem Chapter, 1983.

US Air Force Commendation Medal for Meritorious Service 1991-95

Cooperative Program to improve efficiency
and quality of service to Orthopedic
surgeons and their patients.

American Society of Spinal Radiology

Best Presentation: "Percutaneous
Sacroplasty" 2006

Residencies:

1984-1987

Orthopedic Surgery

Mayo Graduate School of Medicine
Rochester, MN 55901

1987-1991

Diagnostic Radiology

Mallinckrodt Institute of Radiology
Washington University
St. Louis, MO 63110

Special Medical Training:

1985-86

Mayo Graduate School of Medicine

Musculoskeletal pathology & Physiology
Orthopedic Biomechanics
Gross and Microscopic Anatomy

1993

Armed Forces Institute of Pathology

Orthopedic Pathology Course

- 1996 **International Spinal Injection Society**
Spinal Discography Course
- 1997 **International Spinal Injection Society**
Cervical and Thoracic Spinal Injections
- 1998 **Percutaneous Vertebroplasty**
Memphis, TN
- 2005 **Percutaneous Kyphoplasty**
Kyphon, New Orleans, LA

Professional Memberships:

Alpha Omega Alpha
American College of Radiology
International Skeletal Society
International Wrist Investors
Radiologic Society of North America
Society of Skeletal Radiology

Academic Appointments:

- 1990-1991 **Chief Resident**
Mallinckrodt Institute of Radiology
Washington University
St. Louis, MO 63110
- 1991-1992 **Radiology Training Officer**
Wilford Hall USAF Medical Ctr.
Lackland AFB, TX 78240
- 1991-1992 **Chief: Outpatient Radiology**
Wilford Hall USAF Medical Ctr.
Lackland AFB, TX 78240
- 1991-1995 **Chief: Skeletal/ER Radiology**
Wilford Hall USAF Medical Ctr.
Lackland AFB, TX 78240
- Private Practice:**
1995-1997 **Co-Chief: Musculoskeletal Radiology**
Presbyterian Orthopedic Hospital
Charlotte, NC
- 1997-1998 **Musculoskeletal and Spine Radiologist**
Center for Diagnostic Imaging-Indianapolis

"

Anatomic Correlation with Magnetic Resonance Imaging of the Upper
Extremity" Wilford Hall USAF Medical Center, Lackland AFB, TX

Editorial Experience

American Journal of Roentgenology

Manuscript Reviewer

1992- 1999

Radiology

Manuscript Reviewer

1996-1997

Book Chapters:

- 1) Cooney, WP and Smith, DK
 External Fixation of the Upper Extremity.
Instructional Course Lectures in Orthopedics, Griffin PP (editor)
 American Academy of Orthopedic Surgeons, Chicago 1987; 36:455-469.
- 2) Smith, DK and Christensen, A
 Miscellaneous Surgical Entities of the Hand and Wrist.
Imagine of the Hand and Wrist. Gilula LA (editor) WB
 Saunders, Philadelphia 1995: 21:547-576.
- 3) Steinbach, L and Smith, DK
 Imaging of the Wrist, MR Imaging of the Body.
 WB Saunders, Philadelphia 1996
- 4) Smith, DK
 MR Imaging of the Wrist.
Magnetic Resonance Imaging of the Body,
 Higgins, Helms, and Hricak
 Raven Press, New York, 1999.
- 5) Smith, DK and Gilley, JS: Imaging of Sports Injuries of the Foot and
 Ankle. Orthopedic Sports Medicine, DeLee, Drez, and Miller. WB
 Saunders, 2003.

Journal Articles:**1989**

- 1) Smith DK, Linscheid RL Amadio PC, Berquist TH, Cooney WP Evaluation of scaphoid anatomy by triaxial trispiral tomography. Radiology 1989; 173 (3): 177-180.
- 2) Smith DK, An KN, Berquist TH, Robb RA, Chao EYS Validation of three dimensional reconstructions of knee anatomy; CT vs. MRI. J Comp Assisted Tomography 1989; 13(2): 294-301,
- 3) Smith DK, Totty W: MRI of articular disorders of the hip. Topics in Magnetic Resonance Imaging 1989; 1(3): 29-41,
- 4) Amadio PC; Berquist TH, Smith DK, Cooney WP, Linscheid RL Scaphoid malunion. J Hand Sorg 1989; 14A: 679-87.
- 5) Smith DK, An KN, Linscheid RL, Cooney WP, and Chao EYS The effects of simulated unstable scaphoid fractures on carpal motion. J Hand Surgery 1989; 14A(2): 283-29.
- 6) Smith DK, An KN, Cooney RL, Linscheid RL, and Chao EYS Effects of a scaphoid waist osteotomy on carpal kinematics. J Orthop Res 1989; 7: 590-598.

1990

- 7) Smith DK, Gilula LA, Totty WG: Subtalar arthrorisis; evaluation using CT. AJR 154: 559-562, 1990
- 8) Smith DK, Baker K, Gilula LA: Radiographic features of hand and wrist arthroplasties, European Journal of Radiology 1990, 10: 3-8.
- 9) Smith DK, Totty WG: The knee after partial meniscectomy: MR imaging features. Radiology 1990; 176: 141-144.

- 10) Smith DK, Gilula LA, Amadou PC: Dorsal lunate tilt (DISI configuration): A sign of scaphoid fracture angulation. *Radiology* 1990; 176:497-499.
- 11) Smith DK, Totty WG: Articular disorders of the hip. *Topics in Orthopedics* 1990; 5(2):27-39.
- 12) Smith DK, Baker K, Gilula LA: Radiographic features in hand surgery excluding arthroplasties. *European Journal of Radiology* 1990; 10:85-91.
- 13) Smith DK, and Cooney WP: External fixation of high energy upper extremity injuries. *Journal of Orthopedic Trauma* 1990; 4(1): 7-18.

1992

- 14) Naam NH, Smith DK, Gilula LA: Transtriquetral perihamate ulnar axial dislocation and palmar lunate dislocation. *J Hand Surgery* 1992; 17A(4): 762-766.
- 15) Perry MA, Smith DK, Wilson AJ, Evens RG: Results of the 1991 survey of the American Association of Academic Chief Residents in Radiology. *Investigative Radiology* 1992; 27: 402-405.

1993

- 16) Smith DK: Anatomic features of the carpal scaphoid: validation of biometric measurements and symmetry using three-dimensional magnetic resonance imaging. *Radiology* 1993; 187:187-191.
- 17) Smith DK: Dorsal carpal ligaments of the wrist: normal appearance on multiplanar reconstructions of three-dimensional Fourier transform MR imaging. *AJR*; 161:119-125, 1993.
- 18) Smith DK: Volar carpal ligaments of the wrist: normal appearance on multiplanar reconstructions of three-dimensional Fourier transform MR imaging. *MR*; 161:353-357, 1993.

1994

- 19) Smith DK, Snearly WN: Lunotriquetral interosseous ligament of the wrist: MR appearances in asymptomatic volunteers and arthrographically normal wrists. *Radiology*; 191:199-202, 1994.
- 20) Smith DK: Scapholunate interosseous ligament of the wrist: MR appearances in asymptomatic volunteers and arthrographically normal wrists. *Radiology*; 192:217-221, 1994.
- 21) Smith DK, Wright J: Water Bags: An inexpensive method for improving fat suppression in MR images of the extremities, [Letter] *AJR*; 162:1252-53, 1994.
- 22) Smith DK, Parsons TG: Re: Limb salvage surgery for treatment of sarcomas of the extremities. *AJR*; 163:114-116, 1994.

1995

- 23) Smith DK: Imaging of sports injuries of the ankle and foot. *Oper Techn Sports Med*. Vol 3(1):47-70, 1995.
- 24) Smith DK: MR imaging of normal and injured wrist injuries. *MRI Clin N Amer* 1995; 3(2): 229-24S.
- 25) Miller MD, Kraft TA, Greendyke SD, Trick LW, Smith DK: Juxta-acetabular synovial cyst in a patient with Paget's disease. *Orthopedics*. 1996; 18(3) 293-6.
- 26) Nelson EW, DeHart NM, Christensen AW, Smith DK: Magnetic resonance imaging changes of a lead pencil foreign body in the hand. *J Hand Surg* 1996; 21(1):100-103.

1996

- 27) Ingari TV, Smith DK, Aufdemorte TB, Yazemski MJ: Anatomic significance of MRI findings in hip fractures. *Clin Orthop Rel Res* 1996; 332:209-14.
- 28) May DA, Purina JL, Smith DK: MR imaging of occult traumatic fractures and muscular injuries of the hip and pelvis in elderly patients. *AJR* 166: 1075-1078, 1996.
- 29) Benedetti GE, Parsons TO, Smith DK: A periosteal ganglion of the distal part of the radius. A Case Report. *J Bone Joint Surg*, Vol. 78-A, No. 9, 1415-1418, 1996.
- 30) Smith DK, Chopp T, Jones R: Sublabral recess of the superior glenoid labrum: Study of cadavers with conventional nonenhanced MR imaging, MR arthrography, anatomic dissection, and limited histologic examination. *Radiology*, 201:251-256, 1996.
- 31) Smith DK, May DA, Phillips P: Imaging of the anterior cruciate ligament; Frequency of discordant MR findings on sagittal-oblique images and correlation with arthroscopic findings. *AJR* 1996; 166(2):411-413.
- 32) Smith DK, Murray PM: Avulsion fractures of the volar aspect of the triquetral bone of the wrist: A subtle sign of carpal ligament injury. *AJR* 1996; 166(3):609-614.

1997

- 33) May DA, Good RB, Smith DK, Parsons TK. MR imaging of musculoskeletal tumors and tumor mimickers with intravenous gadolinium: experience with over 300 cases. *Skel Radiol* 1997; 26(1), 245.
- 34) Higgs JB, Smith DK, Des Rosier KF, Charlesworth RW: Quantitative Measurement of Erosion Growth and Joint Space Loss in Rheumatoid Hand Radiographs. Submitted to *Journal of Rheumatology*, May 1996.
- 35) Ritchie JR, Miller MD, Smith DK, Bents RT: the use of healing adjuncts on central tears and the role of MR arthrography in repair evaluation. Submitted to *Clin Orthop Rel Res*, July 1996.

2000

- 36) Steinbach LS, Smith DK. MRI of the wrist. Clin Imaging. 2000 Sep-Oct;24(5):298-322. Review.

2006

- 36) Smith DK, Dix JE. Percutaneous sacroplasty: long-axis injection technique. AJR Am J Roentgenol. 2006 May;186(5):1252-5