

CURRICULUM VITAE**DOUGLAS K. SMITH, MD**

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

Birthdate: July 4, 1956
Jacksonville, NC

Marital Status: Single
Two sons
Josh- DOB 7/17/81 Matt- DOB 12/4/82

Professional Interests: Musculoskeletal Teleradiology
Spine Imaging
Hand and Wrist Imaging
Sports Medicine Imaging
Musculoskeletal Oncology
Pain Management Injection Procedures
Percutaneous Vertebroplasty and
Kyphoplasty

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

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
 American Roentgen Ray Society
 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, IN

1998-2005

Musculoskeletal and Spine Radiologist

South Texas Radiology Group
 San Antonio, TX

2005-Present

Musculoskeletal Imaging Consultants, LLC

San Antonio, TX

Laboratory Experience:**1975-1976****National Center for Toxicological Research**

Student Research Fellow: Food and Drug Administration

"Rapid Diagnosis of Murine Viruses Using Immunofluorescent Microscopy"

Pine Bluff, Arkansas

1986-1987**Mayo Clinic Orthopedic Biomechanics Laboratory**

Special Research Fellow: Mayo Clinic and Foundation

"The Effects of a Unstable Scaphoid Fractures on Carpal Kinematics"

Research Grants:**1986 -1987****Orthopedic Research and Education Foundation**

Principle Investigator: DK Smith.

Resident Research Fellowship

"The Effects of Unstable Scaphoid Fractures on Carpal Kinematics" Orthopedic Biomechanics Laboratory, Mayo Clinic, Rochester, MN

1988 – 1990**American Society for Surgery of the Hand**

Principle Investigator: DK Smith.

"Evaluation of Scaphoid Fracture Orientation Using Three Dimensional Reconstructions of High Resolution Computed Tomography" Mallinckrodt Institute of Radiology
Washington University School of Medicine, St. Louis, MO**1992 - 1995****Department of the Air Force**

Principle Investigator: DK Smith, Maj. USAF MC

"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.
Imagined 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