

# JEFFREY J. KNAKE, M.D.

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## WORK EXPERIENCE

- Assistant Professor, Michigan State University Department of Radiology, 2005-
- Clinical Instructor, University of Virginia Department of Radiology, 2004-05

## EDUCATION

- Northwestern University Medical School, Chicago, IL, M.D., 1999
- Northwestern University, Evanston, IL, B.A. Economics, 1995

## POSTGRADUATE EDUCATION AND TRAINING

### *Internship and Residency*

- Diagnostic Radiology Resident, University of Virginia, Charlottesville, VA, 2000-04
- Chief Radiology Resident, University of Virginia, 2002-03
- Transitional Intern, Northwestern University, Evanston Northwestern Healthcare, Evanston, IL, 1999-2000

### *Fellowship*

- Musculoskeletal Radiology, University of Virginia, Charlottesville, VA, 2004-05

## HONORS AND AWARDS

- Resident of the Year - Clinical Award, University of Virginia, 2003
- Resident of the Year - Teaching Award, University of Virginia, 2002
- "Leaders on the Horizon" RSNA Resident Program Scholar, 2001
- Intern of the Year Award, Second Place, Evanston Northwestern Healthcare, 2000

## PUBLICATIONS AND PRESENTATIONS

Knake, J. Abdominal MRI: The role of dynamic scanning techniques in hepatic, renal, and pancreatic disease. *App Radiol*: 2002 31(6): 87-95.

Mata, J., Altes T., Knake, J., Mugler III, J., Brookeman, J., de Lange, E. MR Imaging of the Lung: Effect of Subject Immobilization on the Occurrence of Ventilation Defects. 2003 RSNA Annual Meeting

de Lange, E., Altes, T., Gaare, J., Knake, J., Clarke, B., Mentore, K., Brookeman, J., Mugler, J. Hyperpolarized helium-3 gas MR imaging of the lung in asthmatics: Comparison of ventilation defects with clinical symptoms and spirometry. American Roentgen Ray Society Meeting, Miami FL, May 1-5, 2004.

de Lange, E., Altes, T., Gaare, J., Knake, J., Clarke, B., Mentore, K., Brookeman, J.,

Mugler, J. Hyperpolarized helium-3 gas MR imaging of the lung in asthmatics: Comparison of ventilation defects with clinical symptoms and spirometry. *AJR* 2004; 182 (4): 49-50 (Suppl).

Gaare, J., Altes, T., Knake, J., Brookeman, J., Mugler, J., de Lange, E. Hyperpolarized Helium-3MR (H3-HeMR) Imaging of the Lung in Asthmatics: Ventilation Changes Following Treatment With Albuterol. 2004 RSNA

Benjamin-Watkins, J., Altes, T., Gaare, J., Knake, J., Clarke, B., Brookeman, J., de Lange, E. Hyperpolarized Helium-3 MR Lung Ventilation Imaging: Short Term Repeatability in Asthmatics. *International Society for Magnetic Resonance in Medicine (ISMRM)* May 2005.

Parmar, J., Knake, J., Bassignani, M. Incidence of deep venous thrombosis in emergency department patients and inpatients referred for fever. 2004 AUR

Knake, J., Smith, J., Kerr, H., Neitzschman, L., Bergeson, D. Brogdon Panel Discussion: "The Resident and the Malpractice Suit." AUR Annual Meeting 2005

Knake, J. Ewing's Sarcoma. *ACR Case-in-Point*. December 1, 2005.

Knake, J. Acute Lymphoblastic Leukemia. *ACR Case-in-Point*. March 13, 2006.

Knake, J. Iliotibial Band Syndrome. *ACR Case-in-Point*. May 11, 2006.

Knake, J. Pyogenic Cerebral Abscess. *ACR Case-in-Point*. September 21, 2006

Knake, J. Sports Medicine Imaging: Pelvic and Lower Extremity Injuries. Michigan State University Atis K. Freimanis Visiting Professor Program. March 13, 2006.

Knake, J. Sports Medicine Imaging: An Imaging Review of Lower Extremity Injuries in the Running Athlete. Michigan State University Sports Medicine Conference 2006: MSU the "Shoe U". May 12, 2006.

de Lange, EE., Altes, T., Patrie, J., Gaare, J., Knake, J., Mugler, J., Platts-Mills, T. Evaluation of Asthma With Hyperpolarized Helium-3 MRI: Correlation With Clinical Severity and Spirometry. *Chest*. 2006 Oct; 130(4): 1055-1062

Knake, J. First Rib Stress Fracture. *ACR Case-in-Point*. February 2, 2007

Knake, J. Academic Radiology: Time to Think Outside of the Box. *J Am Coll Radiology* 2007 Mar; 4(3): 148-149

Mata J, Altes T, Knake J, Mugler J, Brookeman J, de Lange, E. Hyperpolarized 3He MR Imaging of the lung: effect of subject immobilization on the occurrence of ventilation defects. *Academic Radiology* 2008 Feb; 15(2): 260-4

Knake, J. Hook of the Hamate Fracture. *ACR Case-in-Point*. March 11, 2009

## **PROFESSIONAL ASSOCIATIONS**

American College of Radiology (ACR)  
Radiological Society of North America (RSNA)  
American Roentgen Ray Society (ARRS)  
Michigan State Medical Society (MSMS)  
Society of Skeletal Radiology (SSR)  
Association of University Radiologists (AUR)  
American Medical Association (AMA)  
American Institute of Ultrasound in Medicine (AIUM)

## **LICENSURE AND CERTIFICATION**

- American Board of Radiology (2004)
- USMLE
- State of Michigan Physician License