

CURRICULUM VITAE

Name in Full	Paymann Moin, M.D.
Contact Address	25842 Tournament Road Valencia, CA 91355
Contact Phone	(661) 255-0060
Email Address	paymann.moin@gmail.com

A. EDUCATION

University	University of Southern California, Viterbi School of Engineering, Los Angeles, CA, BS, Biomedical/Biochemical Engineering, 2000
Medical School	University of Southern California, Keck School of Medicine, Los Angeles, CA, MD, Medicine, 2004
Internship	University of California, Los Angeles, Veterans Administration Greater Los Angeles, Internal Medicine, Los Angeles, CA, July 2004 – June 2005
Residency	University of Southern California, Keck School of Medicine – LAC/USC Medical Center, Diagnostic Radiology, Los Angeles, CA, June 2006 – June 2010
Fellowship (1 of 2)	University of Southern California, Imaging and Informatics Laboratory (IPI Lab), Imaging Informatics, Los Angeles, CA, July 2008 – June 2009
Fellowship (2 of 2)	University of Southern California, Keck School of Medicine – LAC/USC Medical Center, Musculoskeletal Radiology, Los Angeles, CA, July 2010 – June 2011

B. LICENSURE

Medical Licensure	Medical Board of California, A92303
Board Certification	American Board of Radiology, June 2010
Additional Certificates	California Radiology Supervisor and Operator, RHC 165616 and 166034
	ACLS Certification
	Level II CCTA Certification, 2010

C. PROFESSIONAL BACKGROUND

Consultant, FUJIFILM Medical Systems U.S.A., 2008 – current

Operations Director, Advanced Imaging Center, Santa Clarita, CA, 2005 – 2006

Research Associate, Division of Molecular and Computational Biology, University of Southern California, Los Angeles, CA, 1998 – 2001

Research Associate, Practice Management, Office of the CEO, USC Care, Los Angeles, CA, 1997 – 1998

D. SOCIETY MEMBERSHIPS

Los Angeles Radiological Society, 2006 – Current

American Roentgen Ray Society, 2005 - Current

Radiological Society of North America, 2004 - Current

Tau Beta Pi Engineering Honors Society 1998 – Current

E. SERVICE**University/Other Committees:**

- Campus Liaison, American Medical Association, University of Southern California, Los Angeles, CA, 2000 - 2001
- Associate Editor, Surgical Recall, 4th edition, Lippincott Williams & Wilkins, 2003 – 2005

F. RESEARCH ACTIVITIES

Major Areas of Research Interest:

Musculoskeletal Radiology
Imaging Informatics

Research:

1. An Overview and Analysis of Physician Unionization, University of Southern California, Investigator, 1999-2000. An in-depth examination and assessment of the physician unionization movement. Conducted numerous interviews with local, state, and national officials including then-AMA President, Dr. Nancy Dickey. Portions of nearly 100 page text later used for course curriculum at USC.
2. Infrared Spectroscopy: A Useful Tool for Intraoperative Delineation of Brain Tumor Resection Margins, University of Southern California, Co-Investigator, 2003-2005. Conducted at the Keck School of Medicine, Department of Neurosurgery, with primary investigator Peter Gruen, MD. Intraoperative imaging of brain tumors, specifically along suspected margins, for temperature differences between tumor and normal brain in order to accurately define tumor margins for surgical resection.
3. Sexual Dysfunction after Uterine Artery Embolization, UCLA/VA Department of Radiology, UCLA School of Medicine, Co-Investigator, 2004-2005. Conducted with primary investigator Scott Goodwin, MD. Case series examining reports of sexual dysfunction in women after undergoing uterine artery embolization.
4. Four-part Intertrochanteric Fractures, University of Southern California, Author, 2006. An overview of intertrochanteric fractures and their management. Used as part of educational resources in the instruction of radiology residents and fellows in the "Core Curriculum in Emergency Radiology", American Society of Emergency Radiology.
5. Trauma During Pregnancy: An Imaging Review, University of Southern California, Co-Author, 2007, A presentation highlighting key considerations of trauma during pregnancy for both mother and fetus. Presented at the meeting of the American Roentgen Ray Society; Orlando, Florida. Content selected for conference highlight, CME, as well as www.WomensImagingOnline.org, an educational service of the ARRS.

6. A Data Grid for Enterprise PACS Tier 2 Storage and Disaster Recovery, University of Southern California, Co-Investigator, 2007-2009. Presentation demonstrating a Data Grid system that federates all available storage devices at the enterprise level to provide a virtual, distributive and cost-effective solution for clinical enterprise PACS tier 2 storage. Presented at RSNA 2007.
7. RadSearch: A RIS/PACS Integrated Query Tool, University of Southern California, Co-Investigator, 2007- 2010. This project aims to create a software tool, the RadSearch Toolkit, integrated with a study management tool to allow users to easily search for key terms in radiology text reports and retrieve relevant study images to a DICOM destination of choice. Presented at SPIE 2007 and RSNA 2008.

G. BIBLIOGRAPHY

Peer Reviewed:

1. **Moin P**, Truong J, Inaba K, Reddy S.: Trauma During Pregnancy: An Imaging Review. *American Journal of Roentgenology* 188:A115-A125, 2007.
2. **Moin P**, Deshpande R, Sayre J, Messer E, Gupte S, et. al.: An Observer Study for a Computer-Aided Reading Protocol (CARP) in the Screening Environment for Digital Mammography, *Academic Radiology*, in press.

Presentations:

1. Zhou Z, Liu BJ, Chao S, Lee J, **Moin P**, Huang HK: A Data Grid for Enterprise PACS Tier 2 Storage and Disaster Recovery. RSNA, Chicago, Illinois, 2007.
2. **Moin P**, Liu BJ, Amezcua L, Zhang A, Zee CS, Sayre J: An MRI Lesion Quantifying System for Tracking Multiple Sclerosis Patients Undergoing Treatment. 2008 NIBIB Training Grantees Meeting. Silver Spring, Maryland, June 19-20, 2008.
3. **Moin P**, Ma KC, Amezcua L, Gertych A, Liu BJ: The Development of an eFolder for Multiple Sclerosis Patients Undergoing Treatment. SPIE Medical Imaging 2009, Orlando, FL. Requested speaking presentation, Feb 12, 2009.

4. **Moin P**, Ma K, Fleshman M, Vachon L, Liu BJ, Huang HK: A Web-based Computer-aided Diagnosis Tool for Bone Age Assessment: Clinical Introduction and Lessons Learned. The Society for Pediatric Radiology, 52nd Annual Meeting, Carlsbad, CA. April 2009. Invited for publication to Pediatric Radiology.

Other:

1. Ma KC, Zhang A, **Moin P**, Vachon LA, Liu BJ, Huang HK.: An Online Real-time DICOM Web-based Computer-aided-diagnosis (CAD) System for Bone Age Assessment (BAA) of Children in a PACS Environment—Clinical Validation. RSNA, Chicago, Illinois, 2008.
2. **Moin P**: TheViewbox: A Tool for Radiology Web-based Content Management and Personalization. RSNA, Chicago, Illinois, 2008.
3. **Moin P**, Allison C, Ahlmann E, Menendez LR, Leach TJ, White EA: Review of Hemipelvectomy Endoprostheses: What the Orthopedic Oncologist Wants to Know. RSNA 2008. Manuscript in review process for AJR.
4. **Moin P**, Le AH, Documet J, Antani S, Long R, B J Liu BJ: Spine Assistant: A Tool to Efficiently Generate Cervical and Lumbar Spine Reports. RSNA, Chicago, Illinois, 2008.
5. Zhang A, Ma K, **Moin P**, Tsao S, Liu BJ, Huang HK. A Fuzzy Logic System for Bone Age Assessment of Children Using Regions of Interest of the Hand and Wrist. Manuscript submitted to Academic Radiology; in review process.
6. **Moin P**, Dunn M, Boswell W, Duddalwar V: Urolithiasis: Imaging Essentials and What the Urologist Wants to Know. American Roentgen Ray Society, April 26 – May 1, 2009. Selected for CME and invited for publication in AJR. Manuscript in review process.
7. **Moin P**. Mind Over Matter: Using a Neuroheadset to Interact with a PACS Workstation. RSNA, Chicago, Illinois, 2009.