

## DIEGO LEMOS CURRICULUM VITAE

Position: Assistant Professor  
Department of Radiology & Department of Orthopaedics and  
Rehabilitation

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### EDUCATION

2008-2009	University of California San Diego, CA	Fellow	Musculoskeletal Radiology
2006-2008	University of Vermont, Burlington, VT	Resident	Radiology
2004-2006	State University Health Sciences Center, New Orleans, LA	Resident	Radiology
2003-2004	State University Health Sciences Center, New Orleans, LA	Intern	Medicine
1991-1998	Libre University School of Health Sciences, Cali, Colombia	M.D.	

### LICENSES, CERTIFICATION

2009-present	Medical Licensure, Vermont
2008-present	Diplomate, American Board of Radiology

### FACULTY POSITIONS HELD

Years	Institution	Academic Title	Department
2014-present	University of Vermont, Burlington	Assistant Professor Secondary Academic Appointment	Orthopaedics and Rehabilitation
2009-present	University of Vermont, Burlington	Assistant Professor Primary Academic Appointment	Radiology

**OTHER POSITIONS AND MAJOR ADMINISTRATIVE POSITIONS HELD**

<b>Years</b>	<b>Location/program name</b>	<b>Role</b>
2009-present	Department of Radiology University of Vermont Medical Center	Division Chief, Musculoskeletal Imaging
2015-present	Department of Radiology University of Vermont Medical Center	Clinical Director of MRI

**PROFESSIONAL DEVELOPMENT**

2002	Department of Fundacion Santa Fe de Bogota, Bogota, Colombia	Visitor Fellowship Radiology Under supervision of Dr. Sonia Bermudez
2002-2003	Radiology Department of Louisiana State University Health Sciences Center, New Orleans, Louisiana	Observership Under the supervision of Dr. S. Restrepo in Body MRI, Dr. C. Gimenz in Musculoskeletal MRI, Dr. Moncada in Body CT and GI/GU Radiology

**HONORS AND AWARDS**

<b>Year</b>	<b>Name of Award</b>
1998	Second Highest GPA during the Internship Year, Libre University School of Health Sciences
2002	Radiological Society of North America (RSNA) 2002 Certificate of Merit
2002	ICR 2002 First place Award
2002	ICR 2002 Mention of Honor
2002	SILAN 2002 First place Award
2003	ARRS 2003 Bronze medal
2003	STR 2003 President's Award
2004	RSNA 2004 Certificate of Merit
2004	RSNA 2004 Award for Excellence in Design
2005	1st Place in the category of Education "Cardiovascular Manifestations of HIV Infection," Louisiana State University Health Sciences Center
2005	RSNA 2005 Certificate of Merit
2007	RSNA 2007 Cum Laude
2007	RSNA 2007 Certificate of Merit
2007	Resident of the Year, Department of Radiology, University of Vermont Medical Center
2008	RSNA 2008 Magna Cum Laude
2008	RSNA 2008 Cum Laude
2008	Research and Education Foundation Roentgen Resident/Fellow Research Award Radiological Society of North America (RSNA)
2009	RSNA 2009 Magna Cum Laude
2010	Bela Ratkovits Award, Department of Radiology, University of Vermont Medical Center.

- The recipient of the Bela award is chosen by the Chair for outstanding leadership in Scholarship, Clinical Care and Teaching.

- 2010 RSNA 2010 Cum Laude  
 2011 RSNA 2011 Certificate of Merit  
 2012 Teacher of the Year Award, Department of Radiology, University of Vermont Medical Center.
- This award is voted on by all the Radiology residents.

### **KEYWORDS/AREAS OF INTEREST**

Musculoskeletal, imaging, radiology, magnetic resonance imaging, computed tomography, ultrasound, orthopedics, sports medicine, rheumatology, bio-mechanics, neoplasms, image quality, protocol development, cartilage, ligaments, tendons, menisci, labrum, bones, articulations, internal joint derangement, health care delivery.

### **PROFESSIONAL ACTIVITIES- OVERALL SUMMARY**

I have been chief of the MSK section for the last 7 years. My main responsibilities are clinical and teaching related. Clinical responsibilities include daily reading and interpretation of Musculoskeletal (MSK) imaging studies. Diagnostic modalities that I interpret on a daily basis include Magnetic Resonance Imaging (MRI), Computed Tomography (CT), Ultrasound (US) and conventional radiographs. In addition, I am the section head of Musculoskeletal Imaging. In addition to my primary academic appointment with the Department of Radiology, I have a secondary academic appointment with the Department of Orthopaedics and Rehabilitation.

### **SUMMARY OF ACCOMPLISHMENTS**

- I have had 13 published articles and 3 book chapters.
- I have had 47 educational exhibits presented.
- I have had 9 regional, 1 national and 39 international invited lectures.
- Development of core curriculum of lectures on MSK imaging for the Radiology Residency Program at the University of Vermont.
- Optimization and development of MRI protocols and sequences including the Master Card Series for Philips Healthcare as part of our industry relationship.
- Currently serve as Division Chief of Musculoskeletal Imaging (6 years) and Clinical Director of MR Imaging
- Secondary Appointment in Orthopedic Medicine
- Key participation on several corporate agreements, such as the McKesson Luminary Agreement as well as Philips HealthTech Agreements which include the Reference Site Agreement and the Master Research Agreement.
- Education and mentoring of undergraduate students, medical students, radiology residents and fellows and orthopedic residents.

### **PROFESSIONAL SERVICE**

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#### DEPARTMENTAL SERVICE

<b>Years</b>	<b>Department</b>	<b>Compensation Plan</b>	<b>Member</b>
2015-present	Department of Radiology		

2015-present	Department of Radiology	Committee Resident Education Committee	Member
2016-present	Department of Radiology	MRI Safety Committee	Member
2016-present	Department of Radiology	MRI Practice Council	Member

COLLEGE SERVICESMEDICAL CENTER SERVICE

2016-present	University of Vermont Medical Center	Medical Staff Credentials Committee	Member
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UNIVERSITY SERVICE

2015-present	UVM Faculty Senate (2 Year Term)		Member
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GOVERNMENTSOCIETY MEMBERSHIPS

American Roentgen Ray Society (ARRS)

Radiological Society of North America (RSNA)

American College of Radiology (ACR)

Society of Skeletal Radiology (SSR)

European Society of Musculoskeletal Radiology (ESSR)

SERVICE TO PROFESSIONAL ORGANIZATIONSSERVICE TO PROFESSIONAL PUBLICATIONSPUBLIC SERVICESUMMARY OF SERVICE ACTIVITIES

Clinical responsibilities include daily reading and interpretation of Musculoskeletal imaging studies. Diagnostic modalities that I interpret on a daily basis include Magnetic Resonance Imaging (MRI), Computed Tomography (CT), Ultrasound (US) and conventional radiographs. In addition, I am the section head of Musculoskeletal Imaging. I have been chief of the MSK section for the last 4 years. I am the Director of MRI and as such I am responsible for multiple magnets, 1.5T and 3T Ingenia from Phillips as well as a 1.5 Signa unit from GE, a mobile 1.5T Achieva unit and a 3T Ingenia. I actively participate in the MRI Safety Committee as well as in the MRI Practice Council in the Department of Radiology. In addition to my clinical duties, I have listed several departmental tasks I handle:

1. Monthly lectures on musculoskeletal imaging to the radiology residents as part of the cycle of lectures of the MSK curriculum.
2. Several sessions of board preparation on musculoskeletal imaging to the radiology residents taking the radiology boards.
3. MSK section of the Mock boards to the radiology residents in 2013.
4. Weekly Pediatric Orthopedics - Radiology conferences on Tuesdays from 10:30 am to 11:30 am.
5. Rheumatology - Radiology Rounds every other month on Mondays from 7:30 am to 8:30 am.
6. Quarterly Sports Medicine conferences at the Orthopedic Specialty Center from 7:00 am to 8:00 am.
7. Monthly Sarcoma-tumor multidisciplinary conferences the first Wednesday of every month from 7:00 am to 8:00 am.

## TEACHING

### FORMAL SCHEDULED CLASSES

Year	Course Title	Course R	E	Hours	Number of Learners	Learner Level
2016-present	MSK applications of X-Ray Imaging MSK applications of CT (Computed Tomography) MSK applications of MRI (Magnetic Resonance Imaging) lectures on the "Introduction to Medical Imaging" undergraduate course (ANPS 095). This was a new initiative to develop and pilot a UVM undergraduate course on Medical Imaging and it was a success with good enrollment as well as excellent reviews and feedback from the undergraduate students.			½ ½ 1 ½	15 15 15	Ug
2015	"Imaging of the Musculoskeletal System," lecture to the 1st year medical students as part of a new module in their curriculum in medicine at UVM.					MS1

### POSTGRADUATE AND OTHER COURSES

2009-present	Basic Core Lectures 101 Presented yearly as new class of residents arrive	1. Approach to fractures (1 lecture) 2. Approach to arthropathies (1 lecture) 3. Approach to metabolic bone disease (1 lecture) 4. Approach to soft tissue tumors (1 lecture)
2009-present	Core Didactic Lectures Presented over a cycle of two years	1. MR imaging of the knee (5 lectures) 2. MR imaging of the shoulder (4 lectures) 3. MR imaging of the pelvis and hips (2 lectures) 4. MR imaging of the ankle and foot (1-2 lectures) 5. MR imaging of the elbow ( 1-2 lectures) 6. MR imaging of the wrist and fingers (1-2 lectures)
2009-present	Board Review Sessions for residents	

**PREDOCTORAL STUDENTS SUPERVISED OR MENTORED**

Dates	Name	Program or School	Role	Current Position
2016	Benjamin Albertson	University of Vermont College of Medicine	Supervised rotation	Medical student
2016-present	Ryan Landvater	University of Vermont College of Medicine	Summer Research Fellowship	Medical student
2014-2016	Sarah Ebert	University of Vermont College of Medicine	Educational exhibit supervision	Resident, Internal Medicine, Beth Israel Deaconess Medical Center, 2016-2017, Resident, Diagnostic Radiology, Massachusetts General Hospital, Boston, MA, 2017-2021
2015	Sarah Ebert	University of Vermont College of Medicine	Supervised rotation	Resident, Internal Medicine, Beth Israel Deaconess Medical Center, 2016-2017, Resident, Diagnostic Radiology, Massachusetts General Hospital, Boston, MA, 2017-2021
2014	Monique Squiers	University of Vermont College of Medicine	Supervised rotation	Resident, Orthopaedic Surgery, Grand Rapids Med Ed Partners, Grand Rapids, MI
2014	Autumn Polidor	University of Vermont College of Medicine	Supervised rotation	Intern, Family Medicine, Oregon Health & Science University, Klamath Falls, OR
2014	Luke Vierthaler	University of Vermont College of Medicine	Supervised rotation	Radiology Resident, KU School of Medicine Wichita, The University of Kansas, Wichita, KS
2013	Ashley Miller	University of Vermont College of Medicine	Supervised rotation	Resident, Orthopedic Surgery, University of Cincinnati, Cincinnati, OH
2013	Mohammed Almzayyen	University of Vermont College of Medicine	Supervised rotation	Resident, Department of Surgery, Vanderbilt University Medical Center, Nashville, TN
2013	Jacob Azurdia	University of Vermont College of Medicine	Supervised rotation	Resident, Orthopaedic Surgery, University of Toledo, Toledo, OH
2010	Timothy Salib	University of Vermont College of Medicine	Supervised rotation	Instructor of Clinical Emergency Medicine, University of Rochester Medical Center, Rochester, NY

2010	Kris Ware	University of Vermont College of Medicine	Supervised rotation	Fellow 2016-2017, Brown Alpert Medical School, Department of Orthopaedics, Providence, RI
2010	Bennett Shapiro	University of Vermont College of Medicine	Supervised rotation	Resident, Orthopedic Surgery, Naval Medical Center, San Diego, CA
2010	David Curley	University of Vermont College of Medicine	Supervised rotation	Assistant Professor of Emergency Medicine, Brown Alpert Medical School, Providence RI
2010	Annice Mason	University of Vermont College of Medicine	Supervised rotation	Physician, Acute Rehabilitation, Mt. Ascutney Hospital, Windsor, VT
2010	Nick Antell	University of Vermont College of Medicine	Supervised rotation	Orthopaedic Surgeon, Mansfield Orthopaedics, Copley Hospital, Morrissville, VT
2010	Bryan Mason	University of Vermont College of Medicine	Supervised rotation	Physician, Family Medicine, St. Luke's Clinic, Buhl, ID

POSTDOCTORAL FELLOWS AND RESIDENTS DIRECTLY SUPERVISED OR MENTORED

Dates	Name	Resident/Fellow	Faculty Role	Current Position
2015-2016	Sean Reynolds, MD	Fellow (MSK)	MSK Fellowship mentor	Physician, Radiology Department, University of Vermont, Burlington, VT
2015-2016	Anthony Dinizio, MD	Fellow (MSK)	MSK Fellowship mentor	Physician, Radiology, Concord Hospital, Concord, NH
2012-2016	Jesse Myers, MD	Resident	Mentor/Advisor	Fellow, MSK, Beaumont Hospital, Grosse Pointe, MI.
2012-2016	Vivek Kalia, MD	Resident	Mentor/Advisor	Fellow, MSK, Hospital for Special Surgery, New York, NY
2011-2015	Andrew Ross, MD	Resident	Mentor/Advisor	Assistant Professor, Radiology Department University of Wisconsin School of Medicine and Public Health, Madison, WI
2011-2012	Edward Nicholas, MD	Fellow (MSK)	MSK Fellowship Mentor	Physician, Radiology Department, Eastern Maine Medical Center, South Portland, ME
2010-2014	Russell Meyer, MD	Resident	Mentor/Advisor	Physician, Radiology Department, Central Vermont Medical Center, Berlin, VT

2010-2014	Matthew Daily, MD	Resident	Mentor/Advisor	Physician, Radiology Department, Southern New Hampshire Medical Center, Nashua, NH
2006-2010	Joel Salesky, MD	Resident	Mentor/Advisor	Physician, Radiology, Geisinger Wyoming Valley Medical Center, Wilkes Barre, PA

INFORMAL TEACHINGFACULTY MENTOREDOTHER VISITING FACULTY SUPERVISEDTEACHING AIDSTEACHING AWARDS AND NOMINATIONS

2010            Bela Ratkovits Award, Department of Radiology, University of Vermont Medical Center.

- The recipient of the Bela award is chosen by the Chair for outstanding leadership in Scholarship, Clinical Care and Teaching.

2012            Teacher of the Year Award, Department of Radiology. This award is voted on by all the radiology residents.

SUMMARY OF TEACHING ACTIVITIES

My main academic responsibilities are related to daily teaching of residents as well as medical students and fellows. Teaching includes but is not limited to daily review of cases with subsequent discussions at the workstation as well as review of related topics between cases. I am also a member of the Radiology Education Committee. We often have UVM medical students rotating through our MSK section on a monthly basis. Occasionally I have residents from other specialties such as Orthopedics spending time with us in the reading room. Additionally, I am a member of several transdisciplinary teams and attend the respective multidisciplinary conferences including sarcoma board, rheumatology rounds, pediatric-orthopaedics, and sports medicine. I have also participated several times on our Mock Boards Program during the last few years, including residents from UVM, Dartmouth and Maine Medical Center.

RESEARCH AND SCHOLARLY ACTIVITIESRESEARCH AWARDS AND GRANTS**Ongoing Research Support****Completed Research Support**



## Pending

### Selected Unfunded Grant Submissions

#### SCHOLARSHIP

### Peer Reviewed Publications

#### Original Research

1. Restrepo CS, Villamil MA, Rojas IC, **Lemos DF**, Echeverri S, Triana, Angarita M. Association of two respiratory congenital anomalies: tracheal diverticulum and cystic adenomatoid malformation of the lung. *Pediatr Radiol* 2004; 34: 263-266.
2. Restrepo CS, **Lemos DF**, Gordillo H, Odero R, Varghese T, Tiemann W, Rivas FF, Moncada R, Gimenez CR. Imaging findings in musculoskeletal complications of AIDS. *RadioGraphics* 2004; 24: 1029-1049.
3. Restrepo CS, Largoza A, **Lemos DF**, Diethelm L, Koshy P, Castillo P, Gomez R, Moncada R, Pandit M. CT and MR imaging findings of malignant cardiac tumors. *Curr Probl Diagn Radiol* 2005; 34: 1-11.
4. Restrepo CS, Largoza A, **Lemos DF**, Diethelm L, Koshy P, Castillo P, Gomez R, Moncada R, Pandit M. CT and MR imaging findings of benign cardiac tumors. *Curr Probl Diagn Radiol* 2005; 34: 12-21.
5. Restrepo CS, Pandit M, Rojas IC, Villamil MA, Gordillo H, **Lemos DF**, Mastrogiovanni L, Diethelm L. Imaging findings of expansile lesions of the thymus. *Curr Probl Diagn Radiol* 2005; 34: 22-34.
6. Restrepo CS, Diethelm L, Lemos JA, Velasquez E, Ovella TA, Martinez S, Carrillo J, **Lemos DF**. Cardiovascular manifestations of HIV infection. *RadioGraphics* 2006; 26: 213-231.
7. Restrepo CS, Martinez S, Lemos JA, Carrillo JA, **Lemos DF**, Ojeda P, Koshy P. Imaging manifestations of Kaposi sarcoma. *RadioGraphics* 2006; 26: 1169-1185.
8. Restrepo CS, **Lemos DF**, Lemos JA, Velasquez E, Diethelm L, Ovella TA, Martinez S, Carrillo J, Moncada R, Klein J. Imaging findings in cardiac tamponade with emphasis on CT. *RadioGraphics* 2007; 27: 1595-1610.
9. Restrepo CS, **Lemos DF**, Ocazonez D, Moncada R, Gimenez CR. Intramural hematoma of the esophagus: a pictorial essay. *Emerg Radiol* 2008; 15: 13-22.
10. Restrepo CS, Erazo A, Ocazonez D, Lemos JA, Martinez S, **Lemos DF**. The diaphragmatic crura and retrocrural space: normal imaging appearance, variants, and pathologic conditions. *RadioGraphics* 2008; 28: 1289-1305.
11. Restrepo CS, Martinez S, **Lemos DF**, Washington L, McAdams HP, Vargas D, Lemos JA, Carillo JA. Imaging appearances of the sternum and sternoclavicular joints.

RadioGraphics 2009; 29: 839-859.

12. Johnson JM, Higgins TJ, **Lemos DF**. Appearance of the delta phalanx (longitudinally bracketed epiphysis) with MR imaging. *Pediatr Radiol* 2011; 41: 394-396.
13. Jadhav SP, More SR, Riascos RF, **Lemos DF**, Swischuk LE. Comprehensive review of the anatomy, function, and imaging of the popliteus and associated pathologic conditions. *RadioGraphics* 2014; 34: 496-513.

### In Review

### In Preparation

1. **Lemos DF**, Gimenez CR, Restrepo CS, Fliszar E, Resnick DL. "Hoffa's Fat Pad: Anatomy, Pathology and MRI Findings. Part 1: Anatomy and Intrinsic Pathology". To be submitted to *Skeletal Radiology*. In progress.
2. **Lemos DF**, Gimenez CR, Restrepo CS, Fliszar E, Resnick DL. "Hoffa's Fat Pad: Anatomy, Pathology and MRI Findings. Part 2: Extrinsic Pathology". To be submitted to *Skeletal Radiology*. In progress.
3. **Lemos DF**, Murphey MD, Gimenez CR, Restrepo CS, Luraguiz ND, Resnick DL. "The Popliteal Fossa: Anatomy, Pathology, and Imaging Findings". Part 1: Anatomy and Non-neoplastic lesions. To be submitted to *Skeletal Radiology*. In progress.
4. **Lemos DF**, Murphey MD, Gimenez CR, Restrepo CS, Luraguiz ND, Resnick DL. "The Popliteal Fossa: Anatomy, Pathology, and Imaging Findings". Part 2: Neoplastic lesions. To be submitted to *Skeletal Radiology*. In progress.
5. **Lemos DF**, Gimenez CR, Restrepo CS, Luraguiz ND. "Kager's fat pad: Anatomy, Pathology, and Imaging Findings". To be submitted to *Skeletal Radiology*. In progress.
6. **Lemos DF**, Murphey MD, Restrepo CS, Resnick DL. "Imaging Findings in Tumor Like Tissue Calcinosis". To be submitted to *AJR*. In progress.

### **Non-Peer Reviewed Publications and Other Creative Activities**

#### Review Articles

#### Books and Chapters

Invited Author for Chapter:

1. **Lemos DF**, Hughes T. Chapter: "Plain Radiography and Advanced Imaging of Calcium Pyrophosphate Dihydrate Crystal Deposition Disease and of Arthropathy Associated with Basic Calcium Phosphate Crystal Deposition" In: Terkeltaub R. *Gout & Crystal-Induced Arthropathies*, 1st Edition. Elsevier, 2011. ISBN13: 9781455727100.
2. **Lemos DF**, Chung CB, Resnick DL. Chapter: "Imaging of the Elbow" in Vol. 3: *Musculoskeletal*. Series: "Advances in Imaging Diagnosis" from the Interamerican College of Radiology (CIR). Edit Journal, 2010. ISBN13: 9789871259335.

3. **Lemos DF**, Chung CB, Resnick DL. Chapter: “Imaging of the Shoulder” in Vol. 3: Musculoskeletal. Series: “Advances in Imaging Diagnosis” from the Interamerican College of Radiology (CIR). Edit Journal, 2010. ISBN13: 9789871259335.

### Other Scholarly Publications

#### **Abstracts**

#### **Patents Issued or Pending**

#### **Other Creative Activities**

#### **Quality Improvement and Patient Safety Activities**

### SUMMARY OF SCHOLARLY ACTIVITIES

I am very interested in academic and scholarly activities. Teaching is my passion and I have specific interests in MSK imaging including sports-related injuries as well as imaging of tumors. In addition, I have interest in research on cartilage imaging and creative work in the field including development of MRI sequences and optimization of MRI protocols for MSK. I heavily participated in the successful development of the MSK portion of the Master Exam Card Series. The Master Exam Card Series was a Philips MRI project that focused on the development of MRI protocols for the Ingenia 1.5T magnet. The aim of the project was to develop musculoskeletal protocols that supported varying patient needs. We went through a rigorous process of editing protocol parameters to existing Philips stock protocols. I worked closely with Philips MR Clinical Science to outline the clinical significance of the new protocols and gave clinical feedback to support the use Master Exam Card Series for other Philips customers. I along with the MRI technical team delivered over 20 new protocols to Philips that would then be pre-loaded on to new MRI scanners deployed throughout North America. Moreover, I participate on several corporate agreements, including the McKesson Luminary Agreement, as well as Philips HealthTech Agreements, including the Reference Site Agreement and the Master Research Agreement. These agreements give us access to the most modern cutting- edge technology in the world.

### INVITED PRESENTATIONS

#### **Regional**

2010	Lecturer at the 24th Annual Vermont Fall Foliage Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “Easily missed knee injuries on radiographs with CT and MR correlation”	Stowe, VT
2010	Lecturer at the 24th Annual Vermont Fall Foliage Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “Imaging of glenohumeral joint instability. Part 1: Anterior instability”	Stowe, VT
2010	Lecturer at the 24th Annual Vermont Fall Foliage Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “Imaging of glenohumeral joint instability. Part 2: Posterior instability”	Stowe, VT
2011	Lecturer at the 25th Annual Vermont Fall Foliage Imaging Seminar	Stowe, VT

Fletcher Allen Health Care and the University of Vermont  
Department of Radiology  
“Tear or No Tear: MR Imaging Approach to Glenoid Labral Lesions”

2011	Lecturer at the 2011 Musculoskeletal Radiology Scientific Meeting of the New England Roentgen Ray Society (NERRS) “Meniscal Tears Beyond Lines and Triangles”	Boston, MA
2012	Lecturer at the 26th Annual Vermont Fall Foliage Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “MRI of Osteomyelitis”	Stowe, VT
2014	Lecturer at the 28th Annual Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “MRI of Glenoid Labral Tears with Emphasis on the Collagen Architecture of the Labrum in the Shoulder”	Essex Junction, VT
2014	Lecturer at the 28th Annual Imaging Seminar Fletcher Allen Health Care and the University of Vermont Department of Radiology “MRI of Acetabular Labral Tears with Emphasis on the Collagen Architecture of the Labrum in the Hip”	Essex Junction, VT
2015	Lecturer at the 2015 Musculoskeletal Radiology Scientific Meeting of the New England Roentgen Ray Society (NERRS), Harvard Conference Center “Imaging of Osteomyelitis with Emphasis on MRI”	Boston, MA

## National

### International

2011	Lecturer at the course “Update in Musculoskeletal Imaging – Advances on Ultrasound and Magnetic Resonance Imaging” organized by the Fundacion Universitaria Sanitas “MR imaging of tears involving the glenoid labrum”	Bogota, Colombia
2011	Lecturer at the course “Update in Musculoskeletal Imaging – Advances on Ultrasound and Magnetic Resonance Imaging” organized by the Fundacion Universitaria Sanitas “MR Imaging of the Elbow – What every radiologist needs to know”	Bogota, Colombia
2011	Lecturer at the course “Update in Musculoskeletal Imaging – Advances on Ultrasound and Magnetic Resonance Imaging” organized by the Fundacion Universitaria Sanitas “MR Imaging of tears involving the acetabular labrum”	Bogota, Colombia
2011	Lecturer at the course “Update in Musculoskeletal Imaging – Advances on Ultrasound and Magnetic Resonance Imaging” organized by the Fundacion Universitaria Sanitas “MR Imaging of pathology involving the tendons in the wrist”	Bogota, Colombia
2011	Lecturer at the course “Update in Musculoskeletal Imaging – Advances on Ultrasound and Magnetic Resonance Imaging” organized by the Fundacion Universitaria Sanitas “MR Imaging of pathology involving the preAchilles Kager fat pad”	Bogota, Colombia
2013	Lecturer at the course “Imaging Assessment of Articular Disease	Bogota, Colombia

	– State of the Art” organized by the Department of Diagnostic Imaging of the Fundacion Santa Fe de Bogota “MRI of Osteomyelitis”	
2013	Lecturer at the course “Imaging Assessment of Articular Disease – State of the Art” organized by the Department of Diagnostic Imaging of the Fundacion Santa Fe de Bogota “MRI of Glenohumeral Joint Instability Part 3: Posterior and Multidirectional Instability”	Bogota, Colombia
2013	Lecturer at the course “Imaging Assessment of Articular Disease – State of the Art” organized by the Department of Diagnostic Imaging of the Fundacion Santa Fe de Bogota “MRI of Glenohumeral Joint Instability Part 2: Anterior Instability”	Bogota, Colombia
2013	Lecturer at the course “Imaging Assessment of Articular Disease – State of the Art” organized by the Department of Diagnostic Imaging of the Fundacion Santa Fe de Bogota “MRI of Glenohumeral Joint Instability Part 1: Normal Anatomy and Variants”	Bogota, Colombia
2013	Lecturer at the course “Imaging Assessment of Articular Disease – State of the Art” organized by the Department of Diagnostic Imaging of the Fundacion Santa Fe de Bogota “MRI of Hoffa’s fat pad”	Bogota, Colombia
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “Multimodality Imaging Approach to Osteomyelitis with Emphasis on MRI”	Monterrey, Mexico
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “The Pre-Achilles “Kager’s Fat Pad: Anatomy, Pathology, and Imaging Findings with Emphasis on MRI”	Monterrey, Mexico
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “Easily Missed Knee Injuries on Conventional Radiographs with CT and MRI Correlation”	Monterrey, Mexico
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “MR Imaging of Pathology Involving the Tendons in the Wrist”	Monterrey, Mexico
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “MR Imaging of Glenohumeral Joint Instability: Posterior and Multidirectional Instability”	Monterrey, Mexico
2015	Second Course of Musculoskeletal imaging with emphasis on Sports Lesions “MR Imaging of Glenohumeral Joint Instability: Anterior Instability”	Monterrey, Mexico
2015	Central American Congress of Radiology (FECARI) “MRI of Meniscal Tears with Emphasis on the Collagen Architecture of the Meniscus in the Knee”	Panama City, Panama
2015	Central American Congress of Radiology (FECARI) “MRI of Glenohumeral Joint Instability, Part 2”	Panama City, Panama
2015	Central American Congress of Radiology (FECARI) “MRI of Glenohumeral Joint Instability, Part 1”	Panama City, Panama
2015	Central American Congress of Radiology (FECARI) “Multimodality Imaging Approach to Osteomyelitis with Emphasis on MRI”	Panama City, Panama

2015	Michoacán Society of Radiology and Imaging, AC (SMRAD) “MR Imaging of Meniscal Tears with Emphasis on the Collagen Architecture of the Meniscus in the Knee”	Michoacán, Mexico
2015	Michoacán Society of Radiology and Imaging, AC (SMRAD) “MR Imaging of Acetabular Labral Tears with Emphasis on the Collagen Architecture of the Labrum in the Hip”	Michoacán, Mexico
2015	Michoacán Society of Radiology and Imaging, AC (SMRAD) “The Infrapatellar Hoffa’s Fat Pad: Anatomy, Pathology and Imaging Findings with Emphasis on MRI”	Michoacán, Mexico
2015	Michoacán Society of Radiology and Imaging, AC (SMRAD) “Multimodality Imaging Approach to Osteomyelitis with Emphasis on MRI”	Michoacán, Mexico
2016	Radiological Society of North America (RSNA) Spotlight Course in Emergency Radiology with Interactive Cases “Musculoskeletal Radiology in the Emergency setting. Cases”	Cancún, Mexico
2016	Radiological Society of North America (RSNA) Spotlight Course in Emergency Radiology with Interactive Cases “The 10 diagnoses you should not miss in Musculoskeletal Radiology. Interactive Cases using the Diagnosis Live™ platform”	Cancún, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of the Fingers”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of the Elbow: What the Radiologist Needs to Know”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of Instability of the Long head of the Biceps Tendon and Pulley Lesions”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of Glenoid Labral Tears with Emphasis on the Collagen Architecture of the Labrum in the Shoulder”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of Pathology involving the Tendons in the Ankle”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “The Infrapatellar Hoffa’s fat pad: Anatomy, Pathology, and Imaging Findings with Emphasis on MRI”	Monterrey, Mexico
2016	Third Course of Musculoskeletal Imaging with Emphasis on MRI and Ultrasound “MR Imaging of Meniscal Tears with Emphasis on the Collagen Architecture of the Meniscus”	Monterrey, Mexico
2016	41st Colombian Congress of Radiology CCR 2016 “Kager’s pre-Achilles fat pad: Anatomy, Pathology and Imaging Findings with Emphasis in MRI”	Cartagena de Indias, Colombia
2016	41st Colombian Congress of Radiology CCR 2016 “Hoffa’s Infrapatellar fat pad: Anatomy, Pathology and Imaging Findings with Emphasis in MRI”	Cartagena de Indias, Colombia
2016	41st Colombian Congress of Radiology CCR 2016	Cartagena de Indias,

	“Multimodality imaging approach of Osteomyelitis with Emphasis in MRI”	Colombia
2016	41st Colombian Congress of Radiology CCR 2016 “Knee lesions that are easily ignored in radiographs: CT and MRI correlation”	Cartagena de Indias, Colombia

### **International/National Exhibits and Posters Presentations**

2002	88th Scientific Assembly and Annual Meeting of Radiological Society of North America “Hoffa’s fat pad: anatomy, pathology, and MRI findings” Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2002	88th Scientific Assembly and Annual Meeting of Radiological Society of North America “Tumoral like tissue calcinosis” Presented as an Educational Exhibit	Chicago, IL
2002	XXI Interamerican Congress of Radiology “Imaging of the masticator space: CT and MRI findings” Presented and awarded with a mention of honor in the category of Educational Exhibit for poster presentation	Cartagena de Indias, Colombia
2002	XXI Interamerican Congress of Radiology “Imaging findings in Neuroblastoma” Presented and awarded with the first place in the category of Educational Exhibit for poster presentation	Cartagena de Indias, Colombia
2002	XXI Interamerican Congress of Radiology “Imaging of the masticator space: CT and MRI findings” Presented and awarded with a mention of honor in the category of Educational Exhibit for poster presentation	Cartagena de Indias, Colombia
2002	XXI Interamerican Congress of Radiology “Imaging of Posterior Cervical and Perivertebral Spaces” Presented as an Educational Exhibit for poster presentation	Cartagena de Indias, Colombia
2002	IV Iberolatinoamerican Congress of Neuroradiology “Primary Encephalic Mucormycosis” Presented and awarded with the first place in the category of educational exhibit for poster presentation	Pucón, Chile
2003	103th Annual Meeting of the ARRS “Tumors and expansile lesions of the maxilla and mandible” Presented and awarded with a bronze medal in the category of Educational Exhibit for poster presentation	San Diego, CA
2003	Annual meeting of the Society of Thoracic Radiology “CT and MR Imaging Findings of Benign Cardiac Tumors” Presented and awarded with the 2003 President’s award for Educational Exhibit	Miami, FL
2003	Annual meeting of the Society of Thoracic Radiology “CT and MR Imaging Findings of Malignant Cardiac Tumors” Presented and also awarded with the 2003 President’s award for Educational Exhibit	Miami, FL
2003	Annual meeting of the Society of Thoracic Radiology “Tracheal Tumors: An Imaging Overview” Presented as a poster in the category of Educational Exhibit	Miami, FL
2003	89th Scientific Assembly and Annual Meeting of Radiological Society of North America "Imaging Spectrum of Muscular Metastases” Presented as a poster in the category of Educational Exhibit	Chicago, IL
2003	89th Scientific Assembly and Annual Meeting of Radiological Society of North America “Imaging Spectrum of Complications in	Chicago, IL

	Sickle Cell Disease” Presented as a poster in the category of Educational Exhibit	
2004	104th Annual Meeting of the American Roentgen Ray Society (ARRS) “Imaging Findings in Neuroblastoma” Presented in the category of Educational Exhibit for poster presentation	Miami, FL
2004	104th Annual Meeting of the American Roentgen Ray Society (ARRS) “Imaging of Adrenal Gland Pathology” Presented in the category of Educational Exhibit for poster presentation	Miami, FL
2004	104th Annual Meeting of the American Roentgen Ray Society (ARRS) “Head and Neck Manifestations in HIV/AIDS” Presented in the category of Educational Exhibit for poster presentation	Miami, FL
2004	23rd International Congress of Radiology “Absorption from retained bullet fragments: a preliminary report”. Presented as a poster and oral presentation	Montreal, Canada
2004	23rd International Congress of Radiology “Diagnostic Imaging of Focal and Diffuse Striated Muscle Metastases”. Presented as a poster	Montreal, Canada
2004	90th Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “Imaging Spectrum of Pheochromocytoma: clinical, radiological, and histopathological correlation” Presented as an Educational Exhibit	Chicago, IL
2004	90th Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “Kaposi's Sarcoma from Head to Toe: An Imaging Review with Histopathologic Correlation” Presented as an Educational Exhibit	Chicago, IL
2004	90th Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “The Retrocrural Space: normal imaging appearance, variants, and pathology” Presented as an Educational Exhibit	Chicago, IL
2004	90th Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “Imaging Appearance of the Sternum and Sternoclavicular Joint” Presented as an Educational Exhibit	Chicago, IL
2004	90th Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “Imaging Findings of Tumor and Tumor-Like Conditions In and Around the Scapula” Presented as an Educational Exhibit	Chicago, IL
2005	105th annual scientific meeting of The American Roentgen Ray Society “Thoracic Manifestations of Sickle Cell Disease: from the molecular level to the imaging findings” Presented as an Educational Exhibit	New Orleans, LA
2005	105th annual scientific meeting of The American Roentgen Ray Society “CT and MR Imaging of the Thoracic Inlet and Superior Sulcus Tumors” Presented as an Educational Exhibit	New Orleans, LA
2005	105th annual scientific meeting of The American Roentgen Ray Society “Imaging Spectrum with Pathological Correlation in Congenital Cystic Adenomatoid Malformation (CCAM) Of the Lung” Presented as an Educational Exhibit	New Orleans, LA
2005	105th annual scientific meeting of The American Roentgen Ray	New Orleans,



	Society “Imaging Findings of Paratracheal Air Cysts” Presented as an Educational Exhibit	LA
2005	91st Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “The Popliteal Fossa: Anatomy, Pathology, and Imaging Findings” Presented and awarded with a Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2005	91st Scientific Assembly and Annual Meeting of Radiological Society of North America (RSNA) “Kager's fat pad: Anatomy, Pathology, and Imaging Findings” Presented and awarded with a Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “The Patella Revisited” Presented and awarded with a Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “The Suprapatellar Region: Anatomy, Pathology, and Imaging Findings” Presented and awarded with a Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “CT Findings of Grown-Up Congenital Heart Disease” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “CT Findings of Grown-Up Congenital Heart Disease” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Imaging Findings of Adipose Tissue in and around the Heart: A Matter of Fat” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2007	93rd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Fetus in Fetu: Reality and Myth” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2008	94th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Radiographic Approach to Bone Lesions: Back to the Basics” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2008	94th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “MR Imaging of the Elbow: What the Clinician Needs to Know” Presented and awarded with a Magna Cum Laude in the category of Educational Exhibit	Chicago, IL
2009	Annual Meeting of the American Roentgen Ray Society (ARRS) “Malignant "Triton" Tumor: An Imaging Perspective”	Boston, MA
2009	95th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Meniscal Tears: Beyond Lines and Triangles - What the Clinician Needs to Know” Presented and awarded with a Magna Cum Laude in the category of Educational Exhibit	Chicago, IL

2010	96th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Learning How to Interpret Ultrafast Abdominal MR Imaging at 3.0 T for Acute Abdominal Pain with the Aid of CT Correlation in Pediatric and Young Adult Patients” Presented in the category of Educational Exhibit	Chicago, IL
2010	96th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Tear or No Tear? Imaging Approach to MRI Findings of Labral Lesions with Emphasis on the Collagen Architecture of the Labrum” Presented and awarded with a Cum Laude in the category of Educational Exhibit	Chicago, IL
2010	96th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “MRI of “hidden” and “not so hidden” lesions of the rotator interval – an approach to biceps tendon instability and pulley lesions” Presented in the category of Educational Exhibit	Chicago, IL
2011	97th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Imaging of Acetabular Labral Lesions with Emphasis on the Collagen Architectural Framework of the Labrum and with Arthroscopic Hip Correlation” Presented and awarded with a Certificate of Merit in the category of Educational Exhibit	Chicago, IL
2011	39th Annual Meeting and Musculoskeletal Imaging Update Course of the International Skeletal Society (ISS) “Osseous avulsions of the deep medial meniscofemoral ligament: Imaging appearance and associated lesions” Presented as an Electronic Exhibit	San Diego, CA
2012	98th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Anatomy, pathology and MR imaging findings of the patellar tendon” Presented in the category of Educational Exhibit	Chicago, IL
2012	98th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “The Achilles tendon – Anatomy, pathology and imaging findings” Presented in the category of educational exhibit	Chicago, IL
2014	100th Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Gas-containing Periarticular Cysts: Imaging Appearance and Clinical Significance” Presented in the category of Educational Exhibit	Chicago, IL
2015	101st Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Hoffa’s Fat Pad: Anatomy, Pathology, and Imaging Findings” Presented in the category of Educational Exhibit	Chicago, IL
2015	101st Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “MR Imaging Highlighting Obstacles to Successful Reduction in Developmental Dysplasia of the Hip: A Pictorial Review” Presented in the category of Educational Exhibit	Chicago, IL
2016	102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Osseous Avulsions of the Deep Medial Meniscofemoral Ligament: Imaging Appearance and	Chicago, IL

- Association with ACL Tears” Accepted in the category of Educational Exhibit to be presented
- 2016 102nd Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA) “Osseous Avulsions of the Posterior Root Ligament of the Medial Meniscus. Imaging Appearance and Significance” Accepted in the category of educational exhibit to be presented Chicago, IL

### **International/National Luminary Contracts and Product Development:**

Site Visits: Site Visits include prior preparation, gathering relevant case studies, reviewing cases with guests; discuss benefits of technologies, addressing challenges and follow up

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|-----------|--|----------------|
| 2015      | Cheshire Medical Center, New Hampshire<br>Clinical Site Visit, Philips Health Care   | Burlington, VT |
| 2014      | Cheshire Medical Center, New Hampshire<br>Clinical Site Visit, Philips Health Care   | Burlington, VT |
| 2013      | Arecibo Radiology, Canada<br>Clinical Site Visit, Philips Health Care  | Burlington, VT |
| 2013      | Beverly Hospital, Massachusetts<br>Clinical Site Visit, Philips Health Care  | Burlington, VT |
| 2013      | Manati Medical Center, Puerto Rico<br>Clinical Site Visit, Philips Health Care   | Burlington, VT |
| 2013      | Imagerie de Pionniers, Canada  | Burlington, VT |
| 2013      | Nathan Littauer Hospital, NY   | Burlington, VT |
| 2012-2013 | Master Exam Card Series<br>Key Contributing Member participated in the successful development of the MSK portion of the Master Exam Card Series. Protocol Development and Sequence Testing | Burlington, VT |

### **Participation in Key Industry Collaborations:**

As a radiologist in the department, I participate in research collaboration projects that allow us to maintain cutting edge technology for clinical service, teaching and research and result in institutional and network consolidation, standardization, reliability, interoperability and cost-savings.

#### **1. Philips HealthTech Reference Site Agreement**

I provide:

- a. Radiologist peer to peer education during customer site visits to UVMMC
- b. Product demonstrations during customer site visits to UVMMC
- c. Contribution to Image Library for visiting customers
- d. Follow-up discussions with peers

#### **2. Philips HealthTech Master Research Agreement:**

I provide:

- a. Pre-production testing for Beta upgrades

- b. Clinical observation and feedback on products
- c. Test sequences and image acquisition
- d. Software evaluation
- e. Protocol development for products

3. McKesson Luminary Agreement:

I provide:

- a. User feedback for the development of Beta products
- b. Radiology informatics workflow development
- c. Participation in product evaluation surveys, product development discussions and focus groups
- d. Site visit participation that includes product demonstrations and peer to peer discussions with McKesson customers.