

TEACHING PORTFOLIO:

Prepared in Support of the [Appointment/Promotion] of Dick Tate Image, M.D., Ph.D.
to Associate Professor of Radiology

Table of Contents:

| | |
|--|--------------------|
| 1. Description of Teaching Activities | Page 1 |
| 2. Teaching Evaluations | Pages 2 – X |
| 3. Educational Activities in Professional Organizations | Pages X - X |
| 4. Teaching Honors and Awards | Pages X - X |
| 5. Letters in Support of Teaching Performance | Pages X - X |
| 6. Significant teaching materials prepared or edited by candidate | Pages X - X |
| 7. Public service activities oriented to education | Pages X - X |
| 8. List of individual students supervised | Pages X - X |
| 9. Courses and other activities taken to improve teaching skills | Pages X - X |

1. Description of Teaching Activities

Summary: Dr. Image has been a catalyst for multidisciplinary imaging work and associated postdoctoral and residency level training programs. He has mentored 15 pre and post-doctoral trainees in preceptor-directed research, and served on several institutional and national committees dedicated to the furthering of educational agendas, including clerkship design task forces, training program steering committees, and the education committees of national societies. Dr. Image's dedication to teaching has been honored by the department's Teacher of the Year award in 2006. Further, Dr. Image continues to enhance his teaching and mentoring skills through continuing medical education activities focused on novel, interactive teaching methods.

Specific Institutional Activities:

Formal courses:

1. Course Name: Senior Medical Student Radiology Elective

Description: Introduction to Abdominal Imaging

Year(s): 2001 - Present (6 per year)

To Whom/#: Fourth-year medical students/approx. 20

Where: Emory University School of Medicine

2. Course Name: Medical Imaging

Description: Clinical Applications of MR Imaging

Year(s): 2006 - Present (twice per year)

To Whom/#: undergraduate students/approx.30

Where: Department of Biomedical Engineering, Georgia Tech/Emory

Other activities:

- One-on-one instruction in abdominal imaging, radiology residents, 2 days/week

- Small group teaching, ACGME body imaging fellows, 2 hours/week
- Medical student advisor (2 students per year; 1 hour/week), 2004 - Present
- Faculty Advisor to the Radiology Resident Class of 2006
- Resident Education/Selection Committee, Emory Department of Radiology, 2000-2002, 2006 – 2008
- Mentoring Subcommittee, Women in Academic Medicine Task Force, Emory University School of Medicine, 2007

2. Teaching Evaluations

See attached evaluations from the following sources:

Emory University School of Medicine:

Medical Students – MSIII and MS IV – Radiology course (2005 – Present)

Department of Radiology – Diagnostic Radiology Residents (2002 – Present)

CME Courses

Radiological Society of North America:

Refresher Course in MR Physics in Daily Practice (2004, 2005, 2006)

Refresher Course in Quality and Safety in Radiology (2007)

Emory Amelia Island course

3 lectures on abdominal imaging updates (2006)

3. Educational Activities in Professional Organizations

Steering Committee, Workshop on Computer Vision for Biomedical Applications: Current Techniques and Future Trends

IEEE International Educational Conference on Computer Vision, 2005

Panel Member, Should the Radiology Boards be Restructured? Association of University Radiologists annual meeting, 2005

Task Force on Radiology Education in the 21st Century, Radiological Society of North America, 2005 - 2006

Education Committee, American Roentgen Ray Society

Member, 2004-2007

Chair, 2008 – Present

4. Teaching Honors and Awards

Teacher of the Year, Department of Radiology, Emory University School of Medicine, 2006

5. Letters in Support of Teaching Performance

See attached letters in support of Teaching Performance by the following individuals:

1. John A. Doe, MD, Professor of Radiology, Harvard University (served as Chair of CME Committee, RSNA, 2005- 2007)
2. Renee S. Smith, MD PhD, Professor of Radiology, Emory University School of Medicine (serves as Director of Radiology Medical Student Course)
3. Janice J. Jones, MD, Assistant Professor of Radiology and Biomedical Engineering, Washington University (prior resident mentored by Dr. Image)
4. Ralph M. Meanstone, PhD, Post-doctoral fellow, Department of Radiology, University of Virginia (prior student mentored by Dr. Image)

6. Significant teaching materials prepared or edited by the candidate

1. Web-based materials:

- a) e-medicine article on “MR imaging of the pancreas”
<http://www.emedicine.pancreas.com>
- b) slides in support of medical student lectures:
<http://www.emory/radiology/medstud/slides.edu>

2. See the following attached teaching materials:

- a) Syllabi in support of RSNA Refresher Courses described in Section 3 above

7. Public service activities oriented to education

MRI Provides a Window into the Function of the Liver. in Dear Friends, Emory Winship Cancer Institute Newsletter, Spring 2004.

“Imaging your Body” Booth, Health Awareness Day, DeKalb County, 2006

Series of Public Awareness Lectures on Imaging as a Tool for Preventative Health, Emory Healthcare, 2005-2007

(See Attached for example materials)

8. List of individual students supervised

| Trainee | Training Period | Current Degree | Title of Research Project | Current Position |
|--|------------------------|----------------|---|--|
| K. Ozzy Piccolo (Postdoctoral) | Summer 1999 | MD | Retrospective review of liver metastases on CT vs MR | Staff Radiologist, Apex Radiology, Kansas City, Missouri |
| Michael N. Eatcake (Predoctoral) | July 1999- June 2000 | MD | Prospective optimization study of dynamic contrast enhanced liver imaging | Associate Professor of Radiology, University of Alabama at Birmingham |
| Srini S. Spatial (Postdoctoral) | Jan. - Mar. 2001 | PhD | MR imaging of liver perfusion | Senior Staff Scientist, Siemens Medical |
| Cecilia Pancreas (Predoctoral) | Aug. 2001- Dec. 2001 | MD | Liver trauma – imaging strategies | Associate Professor of Radiology, University of Chicago |
| John J. Johns | Jan 2001 – Dec. 2001 | MD, PhD | MR imaging kidneys for vascular compromise | Associate Professor of Radiology, University of Illinois |
| Brandy K. Pinetree | Oct 2001 – Nov 2004 | PhD | Radiation exposure from serial CT in cirrhosis patients | Assistant Professor of Radiology, University of Wisconsin |
| Janice J. Jones (post-doctoral) | May 2003 – June 2004 | MD | Optimizing liver imaging in cirrhosis for hepatocellular cancer detection | Assistant Professor of Radiology and Biomedical Engineering, Washington University |
| Sharon V. Vera (post-doctoral) | Nov 2003 – Oct 2004 | MD | MR imaging of liver and pancreas – is there an optimal sequence for both? | Staff Radiologists, Advent Radiologists of Mississippi, Biloxi, Mississippi |
| Ralph M. Meanstone (pre-doctoral) | Nov 2004 – March 2006 | PhD | Modeling of liver volumes for pre-surgical planning | Post-doctoral fellow, Department of Radiology, University of Virginia |
| Kenneth Z. Fortune (Postdoctoral) | Jan - May 2005 | MD | Retrospective comparison of 2 chemotherapeutic agents – can imaging predict early response? | Staff Radiologist, Valley Radiology, Phoenix, Arizona |
| Frederick Arthur Samson (Postdoctoral) | March 2006 – Sept 2006 | MD | Liver imaging in children | Assistant Professor of Radiology and Pediatrics, Georgetown University |
| Antonio Frenchhorn (Postdoctoral) | Jan 2006 – Oct 2007 | MD/PhD | Developing radiation dose recommendations for CT | Assistant Professor of Radiology and Biomedical Engineering, Emory University School of Medicine |
| Carla Cheesehead (Predoctoral) | May 2006 – Dec 2006 | MD | MR imaging of renal perfusion | Radiology Resident, University of Florida |
| Ernest Hemingway (Postdoctoral) | Jan 2007 – July 2007 | MD | Synergy between levels of alcohol consumption and Hepatitis C exposure on liver | Fellow, Abdominal Imaging, UCSF Department of Radiology |

| Trainee | Training Period | Current Degree | Title of Research Project | Current Position |
|-----------------------------------|---------------------|----------------|---------------------------------|---|
| | | | function | |
| Sargent Taskmaster (Postdoctoral) | July 2007 - Present | PhD | Quantifying MR perfusion models | Postdoctoral Fellow, Department of Bioengineering, Emory/Georgia Tech |

9. Courses and other activities taken to improve teaching skills

RSNA Faculty Development Workshop, Oak Brook, IL, September 6, 2003

Emory Better Teachers Workshop, October 2005

Advanced Powerpoint for Better Lectures Seminar, Radiological Society of North America, Dec. 2006

Workshop on Adult Learning: New Methods, New Technology, Education Department, University of Cincinnati, August 2008