Multi-faceted Approach to Medical Student Recruitment for Interventional Radiology

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Dr Kim discloses being a consultant for Philips Healthcare and BTG, serving on the Scientific Advisory Board of BTG and the Boston Scientific.

Dr Patel discloses being a consultant for Medtronic, SIRTEX, Terumo, and Biotronik, and giving lectures for Penumbra, Terumo, and St Jude.

Dr Lookstein discloses being a consultant for Boston Scientific Corporation, Cordis Corporation, and Medtronic. He receives research funding from VENITE, NERI, BARD, Angiodyamics, Boston Scientific, BTG, and Merit Medical. He serves on the clinical events committee of Shockwave (Disrupt PAD).

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• With the new combined interventional radiology and diagnostic radiology (IR/DR) residency, medical students can decide to become IR Residents

• Traditionally DR residents subspecialized into IR via fellowship, but this new training paradigm will place that decision earlier in medical training
Medical students may pick their specialty as early as first year of medical school so early interventions to attract potential candidates are important.  

The literature shows that there are multiple different ways to approach medical student recruitment to a particular specialty, including IR.

Purpose

• To discuss the multiple ways our institution attempts to recruit medical students into the field of interventional radiology

• To review the literature that supports our recruitment methods
Methods

• Clerkships
  – Fourth Year Sub Internship
  – Third Year Selective
• Research Opportunities
• Interventional Radiology Interest Group (IRIG)
• Annual Medical Student Symposium
• Other
  – Social Media (Twitter, YouTube)
  – Resident-Fellow-Society
Fourth Year Sub Internship

- Traditional Fourth Year elective for students interested in Interventional Radiology

- Students are responsible for rounding on floor patients, performing consults, journal club presentations, work on simulator curriculum and assisting fellows/residents with procedures

- We have had 8 students take this rotation during the 2016-2017 academic year, and 9 students during the 2017-2018 academic year
Third Year Selective

- Alternative to two-week surgical subspecialty selectives during General Surgery block
  - Can be taken instead of ENT or Orthopedics
  - The presence of a clerkship has been shown to be influential in recruiting students to different medical specialties. \(^2,^3\)
- Students scrub into procedures, attend clinic, participate in journal club presentation, and round on floor patients
- Third Year Diagnostic Radiology Course is not a prerequisite for this selective
- In its first year, 3 students took the course (2016-2017). This year, 5 students enrolled in the selective


Our Students Scrub Into...

Transarterial Chemoembolization

Chemoport Placement

Nephrostomy Tube Placement

Y90 Radioembolization
• At our institution, we have students from first through fourth year involved with research, including visiting students

• 15 abstracts presented at this year’s Society of Interventional Radiology meeting had a medical student as first or second author

• The second author of this abstract is a first year medical student
Examples of Medical Student Research Projects

**Featured**

**Relationship of Hospital Volume on Length of Stay in Patients Diagnosed with Pulmonary Embolism**

Presented During:
Venous: Pulmonary Embolism
Tue, 3/20/2018: 3:09 PM - 3:18 PM
Los Angeles Convention Center
Room: 404A

First Author: MS4

**Patient Radiation Exposure in Transradial vs. Transfemoral Yttrium-90 Radioembolization: A Propensity Score Matched Analysis of Over 1,000 Procedures**

Presented During:
Radioembolization Technique
Mon, 3/19/2018: 3:00 PM - 3:09 PM
Los Angeles Convention Center
Room: 404A

First Author: MS2

**99 Percentiles: Evaluation and optimization of the prognostic utility of the lymphocyte to monocyte ratio in patients with hepatocellular carcinoma treated with radioembolization.**

First Author: Visiting MS3

**You Know How to Treat, But Do You Know How to Tweet?**

First Author: Visiting MS4

**Transradial Approach for Noncoronary Interventions: A Single-Center Review of Safety and Feasibility in the First 1,500 Cases**

First Author: MS3

Raghuram Posham, MPA, Derek M. Biederman, MD, Rahul S. Patel, MD, Edward Kim, MD, Nora E. Tabori, MD, F. Scott Nowakowski, MD, Robert A. Lookstein, MD, and Aaron M. Fischman, MD
• Student run organization with the purpose of increasing IR knowledge and awareness

• Variety of meeting types including lectures from faculty, simulator sessions, and post-match panels

• IRIGs have been shown to increase interest in IR

• Host regional medical student symposium on our campus with over 100 attendees each year
• Panels led by attendings and fellows about IR techniques and lifestyle
• Hands-on workshops also available
• Medical Student Symposia have been shown to increase interest in IR.\textsuperscript{5}

• There are multiple different ways to facilitate medical student recruitment into the field of Interventional Radiology

• A combination of these methodologies improves the ability for IR to recruit the best possible candidates to its specialty, now that the IR/DR residency has been created.


