Medical Student Viewpoints on the IR/DR Residency: A 3-Year Evaluation

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Disclosures

- Drs Voutsinas, Bishay, Ranade, and Nowakowski have no relevant disclosures.
- 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).
- Dr Fischman discloses being a consultant for Surefire Medical and Terumo, serving on the advisory board for Terumo and Embolx, and being a speaker for Merit Medical, Bostron Scientific, BTG, and Terumo. He discloses research support from BTG and Merit medical, receiving royalties from Merit Medical, and being an investor in Adient Medical.

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Traditionally Interventional Radiology (IR) training was completed as a fellowship after Diagnostic Radiology (DR). In order to improve clinical skills of its trainees, the Society of Interventional Radiology proposed an integrated IR/DR residency and a phasing out of the conventional fellowship pathway. This new pathway would allow for more IR clinical rotations.
Purpose

- To demonstrate medical student opinions about the new IR/DR residency over a three year period of time
Methods

• After the annual regional medical student symposium in NYC, attendees were emailed a survey about their opinions on the symposium and the new IR/DR residency structure
  ○ The symposium did include a section explaining the new residency

• The survey was administered over a period of 3 years
• 105 respondents over three years (76 male)
• Mostly New York area medical schools
  – Some respondents’ schools were from Florida, Israel, the Caribbean, Pennsylvania, Virginia, and Maryland

Results

Medical Student Year Breakdown

- MS1: 22.5%
- MS2: 42.9%
- MS3: 12.2%
- MS4: 22.5%
Are you considering Diagnostic Radiology as a specialty?

- Yes: 69.60%
- No: 30.40%

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<table>
<thead>
<tr>
<th>Specialty</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Internal Medicine</td>
<td>27.55%</td>
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<tr>
<td>Anesthesiology</td>
<td>20.41%</td>
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<tr>
<td>General Surgery</td>
<td>20.41%</td>
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<tr>
<td>Orthopedics</td>
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<tr>
<td>Vascular Surgery</td>
<td>19.39%</td>
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<tr>
<td>Radiation Oncology</td>
<td>17.35%</td>
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<tr>
<td>Urology</td>
<td>16.33%</td>
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<tr>
<td>ENT</td>
<td>16.33%</td>
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</table>
How much exposure do you feel you have had in IR?

- Extensive: 4.81%
- A lot: 22.12%
- A moderate amount: 28.85%
- A little: 33.65%
- None: 10.58%
Results

How educated do you feel on the IR residency?

- **Very**: 13.46%
- **A fair amount**: 30.73%
- **Somewhat**: 27.88%
- **A little**: 19.23%
- **Not At All**: 8.65%
Did creation of an IR residency increase your interest in IR?

- Yes: 75%
- No/No Change: 25%

How would requiring a surgical intern year affect your interest in pursuing a career in IR?

- No Change: 59.22%
- Increase: 19.42%
- Decrease: 21.36%
Conclusion

• Limitations
  ▪ E-mail Survey
  ▪ High male predominance (may not assess female opinions of the specialty accurately)
  ▪ If an attendee came to the symposium, they likely have a higher than average interest in IR
  ▪ Low percentage response rate overall (105 respondents, 344 attendees emailed)
  ▪ All of the respondents did not answer all of the questions
• Large amount of students feel educated about the new residency structure (44.19%)
• Large amount of students noted limited to no exposure to IR (44.23%)
• Creation of the new IR/DR residency likely increased interest in IR, while requiring a surgical intern year increased or did not affect interest in IR (78.64%)
• Significant minority (30.4%) were interested in IR but not DR

Conclusion