ACR Medical Student Subcommittee

*Inspiring the next generation of radiologists*

Neil K. Jain, DO
Chair, ACR Medical Student Subcommittee
PGYII, Integrated-Interventional Radiology Resident
MedStar Georgetown University Hospital
Disclosures

• None
Mission

To engage medical students at the highest degree by educating them to become the next generation of radiologists and advocates of the field.
Committees

- ACR Annual Meeting Scholarship
  - AI and Machine Learning
    - Escape Room
  - Diversity & Inclusion
  - Marketing and Public Relations
  - Medical Student Mentorship
    - MSC Rad Reserves
  - Radiology Interest Group (RIG)
    - Symposium and Education
  - Diagnostic Radiology Journal Club
  - Bioethics and Humanities in Radiology
Membership

2022 Goal

Increase the number of medical student ACR members by 25% during Calendar Year 2022

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Total Med Student ACR Members</th>
<th>Percent Increase from Previous Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>458</td>
<td>N/A</td>
</tr>
<tr>
<td>2019</td>
<td>1,065</td>
<td>+133%</td>
</tr>
<tr>
<td>2020</td>
<td>1,560</td>
<td>+46%</td>
</tr>
<tr>
<td>2021</td>
<td>2,110</td>
<td>+35%</td>
</tr>
</tbody>
</table>

360% in 4 years!
Annual Meeting Scholarship Committee

• Created in 2019

• 2019-2020: ~50 applications – 10 Inaugural recipients

• 2020-2021: +150 applications – 15 recipients

• 2021-2022: 115 applicants – 10 recipients
AI and Machine Learning Committee

- Collaborate with The RFS AI Journal Club Team
- AI in Radiology Panel – July 15th
- Creation of AI Medical Student Curriculum on ACR Website (work-in-progress)
  - Video Lecture Series (Pre-recorded Modules)
    - Introduction to Artificial Intelligence in Radiology
    - Image-Interpretation Applications of AI in Radiology
    - Non-interpretative Applications of AI in Radiology
    - Economics of AI in Radiology
    - AI in Global Health Radiology
    - AI in Interventional Radiology
    - Careers in Radiology AI (Research/Academic, Industry, Other)
  - Accompanying E-Textbook
Symposium and Education Committee (2021)

First Annual ACR Med Student Symposium

- January 23, 2021 (virtual)
- 501 registered; 302 Attendees
- Lecture series, Q/A session, and Escape Room
- Recording – https://www.acr.org/Member-Resources/Medical-Student/Medical-Student-Hub/Resources/On-Demand-Webinars-and-Events-for-Medical-Students/Virtual-Symposium
Symposium and Education Committee (2022)

Second Annual ACR Med Student Symposium

- January 22, 2022 (virtual)
- 734 registered; 380 Attendees
- Lecture series, Case Comp, & Escape Room
- Recording:

Case Competition
Submit case presentations that showcase unique radiology cases related to COVID-19.
The top three winners will be chosen to present at this year’s symposium and awarded prizes. Learn more about the competition on our agenda page! Submissions are due Jan. 5, 2022.
Marketing and Public Relations

- Increased social media presence
- Twitter
- Voice of Radiology Blog
- Engage open forum
- RFS E-News
- Medical Student E-News
Marketing and Public Relations (cont’d)

Medical Student eNews

Recent News

Learning to Read: Embracing Poetry in Radiology

Read More →

Radiology Training for the Non-Radiologist: Understanding the Power of the Read

Read More →

My Virtual ACR Experience

Read More →

Thinking Beyond the Frame: The Utility of Art in Radiology

Read More →

New! Medical Student Journal Club

Read More →

Match Day Reflections

Preparing Future Radiologists for AI

Graig Khodr, MD, MBA, FSY-2 Integrated Interventional/Diagnostic Radiology Resident, Thomas Jefferson University Hospital, and Varyn Danda, BS, M

American College of Radiology® (ACR) Go-to-Lead

Radiology, AI is a technological marvel that will revolutionize medical care in the 21st century. It is not just a technology, but a tool that can help radiologists make more informed and faster decisions. AI can help radiologists detect subtle abnormalities in images, improve diagnostic accuracy, and reduce the time spent on routine tasks. However, it is important to note that AI is not a substitute for human judgment. Radiologists still need to interpret the images and make clinical decisions. AI can be a valuable tool in the hands of a skilled radiologist. In this article, I will discuss the potential of AI in radiology and the ethical considerations that come with it.

American College of Radiology

New! Medical Student Journal Club

September 21, 2021

https://www.acr.org/Member-Resources/Medical-Student/MESO-News

Preparation for the ACR Annual Meeting and Educational World Virtual

Neil K. Jain, DO, FRDR Society at MedStar Georgetown University Hospital, and Chair of the American College of Radiology (ACR) Medical Student Subcommittee

Radiology education, for the most part, has been adapted to the new virtual world. Online lectures, virtual cases, and case-based conferences have become the norm. As a result, radiology training has evolved to include both traditional and online learning. In this article, I will discuss the benefits and challenges of online radiology education.

American College of Radiology

My Virtual ACR Experience

Angela Obumah is a 4th-year medical student at City University of New York, taking part in the ACR Annual Meeting. She shares her experience at her college.

American College of Radiology

September 21, 2021

Introduction to Bioethics and Radiology

Arshad Shafi, BA, MS, Toor College of Sinai and MRE CANDIDATE at Harvard Medical College

American College of Radiology (ACR)

Attend the 2022 ACR Medical Student Symposium

Ryan Morrison, BS, MS, Brown University School of Osteopathic Medicine

Toni Challenger, BS, MS, Northeastern Medical College

American College of Radiology (ACR)

Learning to Read: Embracing Poetry in Radiology

Selin Oral, BS, MS, New York University Long Island School of Medicine

Radiology Training for the Non-Radiologist: Understanding the Power of the Reading Room

Written by Abid Jacob, BA, BS

Edited by Graig Khodr, MD, MBA, Varyn Danda, BS, and Remko Ater, BS

The National Association of Medical Students (MASE) is a professional organization for medical students in the United States. It was founded in 1913 and now has over 140 chapters across the country. The mission of the ACR is to advance the science and practice of radiology through education, research, and advocacy. In this article, I will discuss the role of the ACR in the development of medical education and the impact it has had on the field.

American College of Radiology

The ACR Annual Meeting and Educational World is a week-long event that brings together radiologists from around the world to share their knowledge and learn from each other. The meeting features lectures, workshops, and networking opportunities for attendees. In this article, I will discuss the benefits of attending the ACR Annual Meeting and Educational World.

American College of Radiology
### Website Traffic

#### Pageviews:

<table>
<thead>
<tr>
<th>Program</th>
<th>FY 2022 Q2</th>
<th>FY 2021 Q2</th>
<th>Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Student Homepage</td>
<td>14,261</td>
<td>7,147</td>
<td>100%</td>
</tr>
<tr>
<td>Medical Student Hub</td>
<td>4,428</td>
<td>2,047</td>
<td>116%</td>
</tr>
<tr>
<td>Medical Educator Hub</td>
<td>6,566</td>
<td>3,676</td>
<td>79%</td>
</tr>
<tr>
<td>Medical Student Hub/Resources</td>
<td>375</td>
<td>168</td>
<td>123%</td>
</tr>
<tr>
<td>On-Demand Webinars and Events for Medical Students</td>
<td>227</td>
<td>39</td>
<td>482%</td>
</tr>
<tr>
<td>Scholarships</td>
<td>2,592</td>
<td>402</td>
<td>545%</td>
</tr>
<tr>
<td>Scholarships/Travel</td>
<td>1,531</td>
<td>170</td>
<td>801%</td>
</tr>
<tr>
<td>Medical-Educator-Hub/PIER-Internship</td>
<td>3,450</td>
<td>932</td>
<td>270%</td>
</tr>
<tr>
<td>MESO-Toolkit</td>
<td>636</td>
<td>171</td>
<td>272%</td>
</tr>
<tr>
<td>Radiology-TEACHES</td>
<td>2,229</td>
<td>2,748</td>
<td>-19%</td>
</tr>
<tr>
<td>Radiology-Student-Assessment Tool</td>
<td>553</td>
<td>375</td>
<td>47%</td>
</tr>
</tbody>
</table>

**Key Takeaways:**

- Promotion of medical student resources has positively impacted/increased web traffic almost across the board.
- Consider increasing promotion to Radiology-TEACHES.
Other Committee Updates

• MSC Rad Reserves Committee
  • Created to expand our reach in engaging more medical students in our current projects
  • ~180 members

• Diversity & Inclusion
  • Collaborate with ACR to create avenues to recruit women and minorities.
  • DEI Instagram Project
  • Radiology Interest Group (RIG)
    • Created ACR RIG regional email accounts
Future Direction

- Will be recognized as a Medical Student Section (MSS) by late 2022
Appointments

• 2 Residents Advisors Appointments:
  • Immediate Past President: Neil Jain, DO
  • Resident Advisor: Gregg Khodorov, MD, MBA

• Upcoming MSS Chair: Ryan Morrison, MSIV
Thank You!

Neil K. Jain, DO

Email: Neil.k.jain@medstar.net

Twitter: @DigitalAngio