

A Pioneering Approach Towards Statewide Medical Student Engagement in Radiology: Early Experience of the New York State Radiological Society



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Introduction

Radiology is essential to modern healthcare but faces a growing workforce shortage^(1,2)

- Imaging utilization continues to rise while medical students often have limited early exposure to the field⁽³⁻⁷⁾
- Increased radiology exposure benefits all medical students by improving interdisciplinary understanding and informed imaging use in clinical decision-making⁽⁸⁻¹⁰⁾

Current engagement occurs primarily through:

- Institutional: Radiology Interest Groups (RIGs)
- National: American College of Radiology (ACR), Radiological Society of North America (RSNA)

There is no formal statewide structure in New York for medical students interested in radiology, creating gaps in mentorship, inter-school collaboration, and advocacy

- Collaboration with the New York State Radiological Society (NYSRS) provides an opportunity to strengthen statewide student engagement and coordination in radiology

Purpose

- Describe the **design, implementation, and early outcomes** of the NYSRS Medical Student Subcommittee (MSS)
- Address gaps in **early radiology exposure and statewide student engagement**
- Provide a **scalable model** for other state radiological societies

Methods and Materials

- Established Medical Student Subcommittee of NYSRS Resident and Fellow Committee in 2024
- Created student-led executive structure: President, Vice President, Secretary, Treasurer
- Implemented key initiatives:
 - **Statewide liaison network** (1 per medical school)
 - **Mentorship program** (students with residents/attending)
 - **Educational events** (virtual + in-person)
- Expanded outreach to medical students statewide via RIGs, institutional contacts, and direct communication
- Distributed survey to all 14 medical schools asking for students' opinions on MSS:
 - Overall Satisfaction
 - Opportunities for collaboration
 - Radiology opportunities



Results

Program Growth & Impact



Program Implementation



Survey outcomes:

- Satisfaction: 4.6/5
- 80% reported opportunity for collaboration
- 80% gained new radiology opportunities

Conclusions

NYSRS MSS strengthened statewide student engagement and mentorship across Radiology Interest Groups (RIGs)

- Improved inter-school collaboration through cross-institution programming
- Increased access—especially for students at resource-limited institutions—to mentors, research presentation opportunities and specialty-specific programming
- Supported early leadership and professional development among MSS members (9 student leaders over 2 years; participation in NYSRS board meetings and ACR events)

NYSRS MSS demonstrates a replicable statewide model to strengthen the radiology workforce pipeline

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