WHY NOT RADIOLOGY: WOMEN IN MEDICINE
• None of the authors have any actual or potential conflicts in relation to this presentation.

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As of 2019, female medical school matriculants increased to outnumber males in US medical school.

The percentage of women in radiology does not match this trend according to 2020 NRMP Match Data.

The percentage of women in radiology residencies has remained consistent over the last decade with most data showing 26.4% females in 2019.

We sought to determine if these numbers were different at our institution.

We collected the demographics of matriculating students and radiology residency matches for the classes of 2014-2021 from our institution and National Resident Matching Program (NRMP) data, respectively.

The average percentage of female matriculants to our institution was 50.76% between 2014 and 2021.

During this period, the percentage of female radiology matches averaged 40.13%, while nationally, females made up only 26.73% of radiology matches.

Our institution consistently matched a higher percentage of females into radiology in comparison to the national average ($t(12) = -2.88, p = .014$).

The national average and NYMC female radiology match rates did not change significantly over this time ($p > .1$ for both slopes).

Review of demographic data shows that between 2014 and 2021, 26.4% of national radiology matches were female.

In comparison, our institution had a consistently higher percentage of female radiology matches at 40.13%.

We have considered that this may be due to a very active radiology interest group that is led by a female radiologist.

This interest group provides support, mentorship, and career exploration beginning in the first year.

It is possible that our institution’s higher percentage of females matching into Radiology may be due to the presence of a strong female role model in the field who provides guidance in the preclinical years.

Introduction of mentoring programs early on in medical education has been shown to foster interest in many medical specialties.

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RESULTS

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RESULTS

Female Radiology Match Percentage
Class of 2014 - 2021

- Percentage of Class
  - 50%
  - 40%
  - 30%
  - 20%
  - 10%
  - 0%

- NYMC
- National Average

Error Bar is 95% CI
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• It is possible that our institution’s higher percentage of females matching into Radiology may be due to the presence of a strong female role model in the field who provides guidance in the preclinical years.
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CONCLUSIONS

• Selecting a medical specialty is dependent on many factors.

• It is well documented in the literature that the introduction of mentoring programs early on in medical education has been shown to foster interest in many medical specialties.

• Based on our experiences, providing a female role model in radiology may have resulted in increased female interest in the field.

• Further investigation of factors contributing to the higher number of females entering radiology from our institution could be examined, however, the outcomes presented demonstrate a future role for mentors in the field of radiology.