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Virtual Introductory Lecture Series For First Year Radiology Residents During the COVID-19 World Pandemic

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BACKGROUND
Radiology residency can be a stressful experience for first year radiology residents, as they navigate unfamiliar physical spaces, develop new social relationships, and begin their radiology education. COVID-19 physical distancing requirements can increase educational and social stresses on first year radiology residents.

PURPOSE
Explore educational and wellness challenges for first year radiology residents created by physical distancing requirements during the COVID-19 pandemic. Describe our innovative virtual introductory lecture series for first year radiology residents.

METHODS
Education
- Identified the major first year resident rotations
- A faculty member from each section and a senior resident provided a lecture that summarized key information (expectations, workflow, learning resources)
- Pre and post lecture testing utilized to evaluate effectiveness of lectures

Social Inclusiveness and Well-being
- Faculty, staff, and technologists were virtually introduced

CURRICULUM
- Introduction of Key Personnel
- Anatomy Review
- Brief Pathology Review
- MRI Sequence Review
- Workflow/Protocolling
- Q&A

RESULTS
Pre and Post Test
15 multiple choice questions
- Pre-test average: 79%
- Post-test average: 100%

Survey
- 7 of 8 residents found the lecture series to be: “Extremely helpful”
- 1 of 8 residents found the lecture series to be: “Somewhat helpful”

FUTURE PLANS
Continue introductory lecture series for first-year radiology residents either in person or virtually

CONCLUSIONS
Physical distancing requirements can potentially cause increased educational and social stresses on first year radiology residents.

Our virtual introductory lecture series helps alleviate these stresses by providing condensed educational materials as well as facilitating personal introductions and social interactions.

A virtual introductory lecture series was developed to introduce key elements of radiology education as well as promote social inclusiveness and well-being.

Pandemic physical distancing requirements can increase educational and social stresses on first year radiology residents.