

Implementation of introduction lecture series for new first year residents

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Background:

Due to limited exposure to radiology during medical school and intern year, R1 residents may find it challenging to pick up the nuances of the field expeditiously and function at the beginning of the radiology training. Independent learning by the R1 residents may be inefficient if done without guidance. Serial introduction lectures provide a revenue for protected learning time for R1 and better prepare them to address practical issues early on during the training.

Methods:

Twice weekly lectures given to R1 residents during first three months of residency mostly by senior residents and occasionally faculty.

Primarily focus on basic introduction of each specialty, establishing search pattern and recognition of critical findings.

Feedback obtained through survey and evaluations.

	Monday lecture	Thursday lecture
Week 1	Introduction to radiology	Introduction to radiation safety
Week 2	How to make a proper radiology report	Professionalism in Radiology
Week 3	Introduction to Nuclear Medicine	Introduction to Pediatrics
Week 4	Introduction to Basic Chest radiograph	Introduction to Interventional Radiology
Week 5	Introduction to US of Abdomen/Pelvis	Introduction to CT head
Week 6	Introduction to CT cervical spine	Introduction to MSK X-ray
Week 7	Introduction to CT of the Abdomen/Pelvis	Introduction to CT chest
Week 8	Introduction to ultrasound of thyroid	Introduction to case logs
Week 9	Introduction to Pediatrics	Introduction to MSK CT
Week 10	Introduction to CT chest	

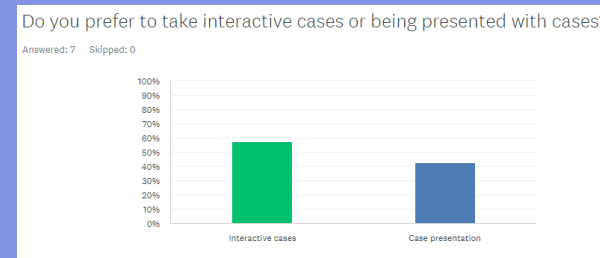
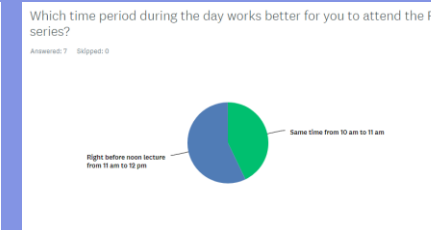
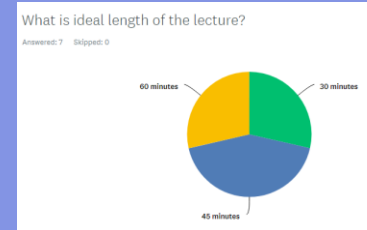
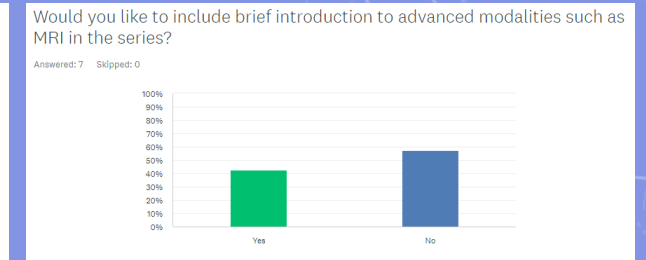
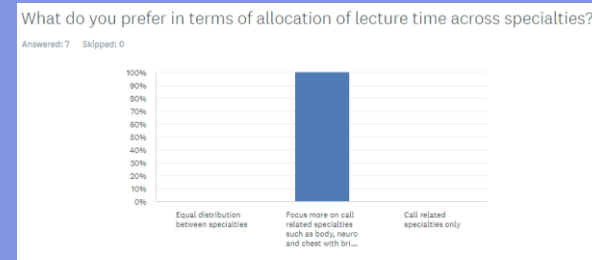
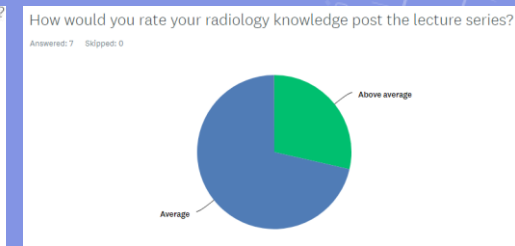
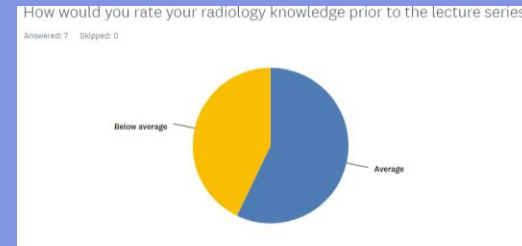
Feedback:

It provided supportive and interactive learning environment and peer mentorship among residents.

A lot of practical tips, tricks and suggestions help junior residents prepare for call duties and day-to-day work assignment.

Very helpful introduction didactic sessions that motivate junior residents to read more at home.

Results:



Summary of results: 1) Strong preference for emphasis on call-related specialties. Inclusion of MRI series is slightly favored. 2) Overall preference for am scheduling of lecture. 3) Significant improvement of self-assessed radiology knowledge after attending the lecture series.

Conclusion:

Introduction lecture series given by senior residents help the junior residents gain confidence at the beginning of the training. It also improves their academic performance. Feedback from the residents should be incorporated into the design of next cycle.