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Radiology-Neurology Multidisciplinary Resident Teaching Conference: Design, Residents' Perspective, and Satisfaction

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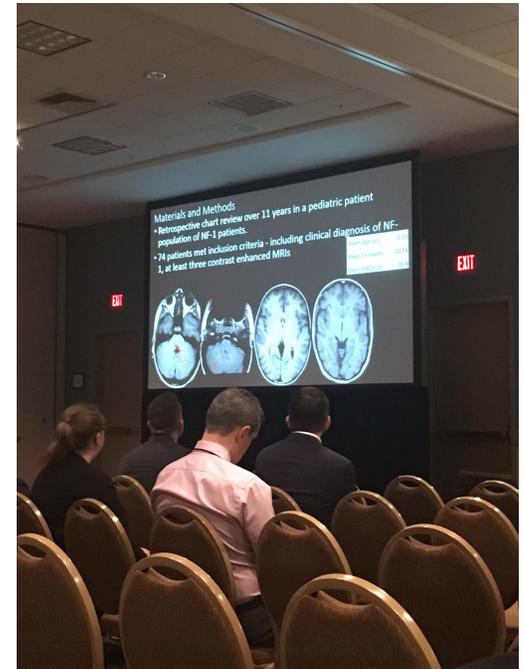
Disclosures

Nothing to disclose.



Importance: Multidisciplinary Conference

- Opportunity for:
 - Process improvement
 - Trainee education
- Offering high-yield, practical learning with invaluable input across specialties.



Objective

- To examine the residents' perspective regarding the value and design of a radiology-neurology multidisciplinary resident teaching conference
 - Before attending the conference
 - After the conference



Methods: Study Population

- Diagnostic Radiology residents (n=60)
- Neurology residents (n=4)
- At a University-affiliated ACGME accredited residency program
- Completed an online survey:
 - in 7/2016 before the conference (Pre-survey)
 - 8/2016 after the conference (Post-survey)



Methods: Online Pre-Survey

Questions were aimed to determine:

- Residents' anticipated value of the conference
- Optimal format of presented cases
- Number of presented cases
- Conference frequency

Neurology-Radiology Conference

Imagine there is an opportunity for having a combined neurology-radiology noon conference, where the neurology residents will present cases with their history and physical examination (localization of where neurology lesion should be), and radiology resident will describe the imaging findings and a presenting radiology resident/neuroradiology attending will discuss the cases.

* Required

Specialty *

- Radiology
- Neurology

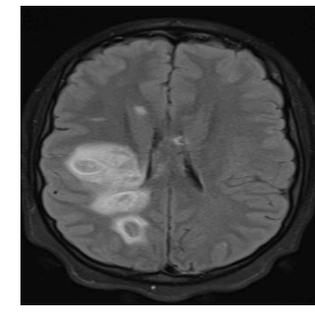
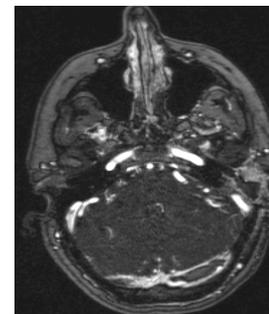
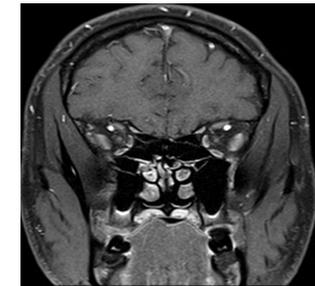
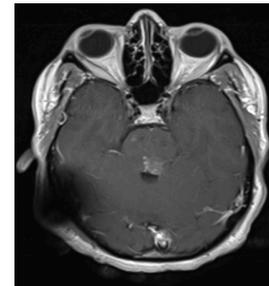
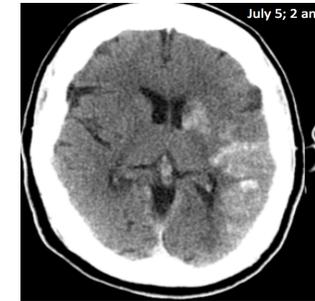
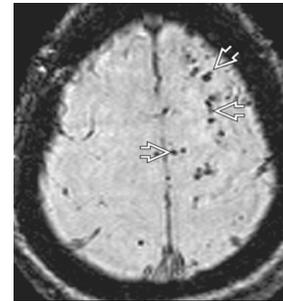
Post Graduate Year *

- PGY1
- PGY2
- PGY3
- PGY4
- PGY5



Methods: Radiology-Neurology multidisciplinary conference

- 6 cases presented:
 - Amyloid Angiopathy
 - Contrast staining vs. hemorrhagic conversion
 - Neurosarcoidosis
 - Optic Neuritis
 - Dural venous thrombosis
 - Multiple Sclerosis



Methods: Online Post-Survey

Questions were aimed to determine:

- Residents' satisfaction with the conference
- Optimal format of presented cases
- Number of presented cases
- Conference frequency



Neurology-Radiology Conference Feedback

Please let us know what you thought of today's (7/14/16) Neurology-Radiology Case Conference and whether is this something that you would consider valuable to continue in the future.

Specialty *

Radiology

Neurology

Post Graduate Year *

PGY1

PGY2



Results

| | Pre-Survey | Post-Survey |
|--|------------|-------------|
| Response rate | 60% | 33% |
| Agree that conference is valuable to residency training, useful for future practice, and build interdisciplinary relationship. | 90% | 86% |
| Quarterly frequency is adequate | 46% | 57% |



Results: Design of Conference

Pre-survey

87% preferred:

Neurology Residents:

- Present patient history, clinical findings.
- Thought process to form differential diagnoses.

Radiology Residents:

- Discuss imaging findings
- Narrow the differential diagnoses.

Post-survey:

- 71% were satisfied with the conference design.
- 24% recommended more neurology discussions for individual cases.
- 80% were interested in continuing this conference in future.



Conclusion

- Residents' perceived value of multidisciplinary radiology-neurology conference is high.
- Multidisciplinary conference is an integral part of resident training, and can be well integrated into existing ACGME didactic conference requirements.
- We have shown an approach to developing and optimizing a productive conference by incorporating resident input, which is mutually beneficial to both specialties.





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Thank You!

Questions?

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