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
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
Results

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<tr>
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<th>Pre-Survey</th>
<th>Post-Survey</th>
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<tbody>
<tr>
<td>Response rate</td>
<td>60%</td>
<td>33%</td>
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<tr>
<td>Agree that conference is valuable to residency training,</td>
<td>90%</td>
<td>86%</td>
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<td>useful for future practice, and build interdisciplinary</td>
<td></td>
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<tr>
<td>relationship.</td>
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<td>Quarterly frequency is adequate</td>
<td>46%</td>
<td>57%</td>
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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.
Thank You!

Questions?
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