

Importance of Neuroimaging for Trainee & Advanced Practice Providers

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**ASN 42ND ANNUAL MEETING
JANUARY 24-26, 2019**



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DISCLOSURES

Ryan Hakimi, DO, MS, FNCS: No Disclosures

Emmaculate Fields, APRN-CNP: No
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Learning Objectives

- Understand the neuroimaging training provided for today's Advance Practice Providers (APPs)
- Identify training pitfalls and strategies necessary for proper Neuroimaging training of APPs
- Recognize opportunities for learning neuroimaging as a medical student or trainee

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Poll #1

- How many Advance Practice Providers(APP's) are here today?

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Poll #2

How many people in the room work with Advance Practice Providers(APPs) ?

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What is an Advanced Practice Provider?

- Physician assistants, nurse practitioners, clinical nurse specialists.
- APPs are trained as generalist for national certification and many programs do not have a strong neurologic focus.
 - Limited neurology training programs- fellowships
 - Sub specialties
 - Multiple physicians; differences in practice style

0.8%

Certified PAs who cited neurology as their principal clinical focus, according to the 2016 Statistical Profile of Certified Physician Assistants

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1.67%

Nurse practitioners who work in neurology, according to the American Association of Nurse Practitioners (2017)

Why incorporate APPs

- Shortage of Neurologist (2012 (11% shortfall), by 2025 (19% shortfall))
- Outpatient: Improved access for new patients & follow-ups visits, by allowing APPs to see follow-ups
- Inpatient: Reduce time burden of hospital rounding & relieve residents to have protected educational time.

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How to incorporate APPs

- Different depending on the APP's training, your practice model
- APPs are generalist and have no in-depth neuro specific training
 - Need structured education and on the job training, so be prepared for expense prior to appreciating a return on investment, ongoing education, and continued communication about the physician and APPs roles
- Invest in your APPs success by providing ongoing training and opportunities for career advancement



Recent Facebook poll

- Question 1: How comfortable were you after graduation with imaging interpretation specifically Neuroimaging?
 - < 25 %
 - 25-50%
 - 50-75%
 - > 75%
- Question 2: What resources did you use to improve your knowledge and skills
 - Self taught/online resources
 - Preceptor/attending/colleague/mentor
 - Formal conference /skills training



How is Neuroimaging Taught to Medical Students and Trainees?

- Wide variety of models
- Neurology is not a requirement at all medical schools in US
- Neuroimaging is not a requirement in all neurology residencies
- Review slides from the Resident/Fellow/Trainee/Student Lunch Workshop: Incorporating Neuroimaging into Clinical Practice (yesterday)

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Conclusion

- Advance Practice Providers(APPs) need Neuroimaging training resources



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