Lessons Learned from an Academic Half Day on Telehealth and Teleneurology with Pediatric Resident Physicians

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The Problem

- Insufficient familiarity with virtual platform
- Need to conduct effective evaluation
- Need to deliver compassionate care virtually
The Problem

- Combat neurophobia
- Adapt clinical skills
- Facilitate discussion & engagement
- Teaching virtually
Program Objectives

1. Discuss the advantages and limitations of telehealth in the pediatric population
2. Adapt to common challenges during the telehealth visit
3. Deliver an age-appropriate neurological examination virtually
Program Description

3 hour session

Telehealth introduction
- Advantages
- Disadvantages
- Adaptations to challenges

Telehealth general cases in breakout groups

Teleneurology introduction

Teleneurology cases in breakout groups

Teleneurology case review
Program Description

Each group
- Resident & attending moderator
- 1 general telehealth case
- 2 neurology telehealth cases

Each case
- Focused on specific aspect of exam
- Board relevant cases
- Clinical exam adaptations by age & modality
- Treatment considerations (including appropriateness for telehealth)
Program Description

Example Case Concepts:
• Infantile reflexes
• Cerebral palsy
• Developmental progression
Post-AHD Assessment

56% response rate

Content delivered
Effectiveness of content
Helpful for board prep
Using material in practice
Small group interactions
Neurologist moderators
Video demonstrations
Telehealth focus
Lessons Learned

✓ Virtual small group discussions were effective & successful
✓ Less “lecture” & more active learning
✓ Less cases with more discussion time
✓ Cases with built in breaks
Special thanks

Medical student & 1st author

Sean Kuei-Hsin Wang, 2025

Faculty

Lauren Strauss, DO
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Residents

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