

Neurosurgery Resident Intake Outline

Review training history
Long range career objectives
Short range objective on NP rotation
Review website (especially Educational Objectives)

Activities

- 1) Read whatever you are interested in [Robbins](#), Prayson or WHO
- 2) Use the [online quizzes](#) to assess your reading comprehension.
- 3) Complete [Magical Stain Tests](#)
- 4) Use the [Virtual Slide Study Set](#) to obtain a broad exposure to the spectrum of neuropathology conditions
- 5) Take one [unknown slide test](#) per week so you know what you don't know and can track your learning
- 6) Optional: Take one [Pediatric Neuropathology test](#) at the beginning of the rotation and one at the end.
- 7) Participate in service by previewing cases with team
- 8) Participate in brain cutting
- 9) Review one [CPC case](#)/day

Expectations:

- 1 Participate with team (No clinical call)
- 2 Preview case radiology and EMR for all subsequent day OR cases
- 3 Perform intraoperative consultation on one case per day
 - Review permanent histopathology and create differential diagnosis and propose work up
- 4 Read at least 25 pages in general Neuropathology text per day
- 5 Complete [Canvas Quizzes](#) from all Neuropathology topics by end of rotation.
- 6 Complete one [unknown slide test](#) by end of first week
- 7 Review [Virtual Slide Study Set](#)
- 8 Prepare a 10 minute PowerPoint presentation for final QA conference on topic of your choice or create 1 PowerPoint [neuropathology case study](#).
- 9 Complete second unknown rotating resident slide test at end of rotation.
- 10 Distill and present relevant clinical histories and laboratory findings of the week's neuropathology autopsy cases. Cut in one case per week.

Exit interview

1. Participation on service and QA
 - Feedback on surgical and autopsy preparation
2. Review of CPC teaching cases or QA presentations
3. Review of Reading and Quiz performance
4. Assessment of rotation
 - Web, conferences, didactic materials

At end of rotation you should be able to:

Distill neurological history for neurosurgical cases and perform intraoperative consultation

Create a differential diagnosis for clinical and histopathological findings of common neuropathology entities: Glioma, metastases, meningioma, reactive conditions

Create diagnostic evaluation panel for clinical differential diagnosis of common neuropathology entities: Glioma, metastases, meningioma, reactive conditions

Know molecular analysis of common neuropathology entities

Know how to use neuropathology texts to discover methodology for evaluation of uncommon neuropathological entities.

Distill neurological history and perform gross review of autopsy brain and appropriately sample