

University of Florida  
Department of Neurological Surgery  
**Index Surgical Cases for Assessment of Resident Education**  
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**NS 1** – this resident is evaluated at an entry level for surgical cases requiring understanding and application of basic surgical principles to neurological illness. The risk level for these cases is low.

Cases:

- Ventriculostomy
- Median nerve release at the Carpal Tunnel
- Drainage of Chronic Sub-dural hematoma

**NS 2** – this resident, functioning at the junior resident level, is evaluated at a level of progression wherein the basic surgical principles learned in the NS 1 year are applied to a more complex and multi-faceted set of neurological illnesses. The risk level for these cases is low-moderate.

Cases:

- Ventriculo-peritoneal shunt placement
- Evacuation of acute sub-dural/epidural hematoma
- Ulnar nerve release at the Cubital Tunnel

**NS 4** – this resident, functioning at the senior resident level, is evaluated with a series of cases at a significantly higher level of complexity and with cases wherein the necessary technical skills are becoming quite advanced. The risk level for these cases is high.

Cases:

- Removal of herniated lumbar intervertebral disc
- Anterior cervical discectomy/fusion
- Image guided stereotactic biopsy for intracranial neoplasm

**NS 5** – this resident, functioning at the Chief resident level, is evaluated with a series of cases at the highest level of complexity. The technical skills necessary to successfully carry out these procedures are of the highest neurosurgical order. The risk level for these cases is the highest.

Cases:

- Craniotomy for clipping of anterior circulation aneurysm
- Image guided craniotomy for brain tumor resection
- PLIF

## **EVAULATION CRITERIA**

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All surgical case performance will be graded utilizing a numerical scale with common parameters as follows:

1. Understanding of indications, benefits, alternatives, risks and possible complication for each specific operation.
2. Placement of patient in proper position to safely and successfully carry out the procedure.
3. Proper techniques utilized for preparation of the skin and draping of the operative field prior to incision with strict adherence to sterile techniques.
4. Technical aspects of the operation safely, successfully, effectively and efficiently carried out to the appointed conclusion.
5. Proper techniques for wound closure and dressing implemented.

Special comments section will be available to identify specific deficiencies that might need remediation.

Final assessment will be a YES or NO assessment of the resident's competency with respect to the individual operation.