

Procedure	PGY Level	Supervision	Milestone/Competency	milestone level
Perform and document H & P	5	Oversight	PC, MK, P, IPC	1
Obtain informed consent	5	Oversight	PC, MK, ICS, P	2
Orders, interprets and reports basic diagnostic studies	5	Oversight	PC, MK	1
Order and Interpret radiologic studies	5	Oversight	PC, MK, SBP, P	1
Provides routine perioperative care for neurosurgical patients	5	Oversight	PC, MK, ICS, SBP, PBL, P	1
Places external ventricular drain or ICP bolt	5	Oversight	PC, MK	1
Places lumbar drain or performs lumbar puncture	5	Oversight	PC, MK	1
Assists with set up, opening or closing of craniotomies	5	Oversight	PC, MK, SBP, P	1
Places stereotactic frame or frameless navigation	5	Oversight	PC, MK	1
Interrogates and programs implanted devices (Shunt, VNS, DBS)	5	Oversight	PC, MK	1
Implements spinal bracing or traction	5	Oversight	PC, MK	1
Assists with set up, opening or closing of spine surgeries	5	Oversight	PC, MK	1
Manages and obtains CSF samples from EVD	5	Oversight	PC, MK	1
Assists with set up, opening & closing of vascular / endovascular procedures	5	Oversight	PC, MK	1
Performs CSF shunt tap, valve programming	5	Oversight	PC, MK	1
Assists with set up, opening, & closing of pediatric neurosurgical procedures	5	Oversight	PC, MK	1
Inserts arterial lines, central venous catheters	5	Oversight	PC, MK	1
Dictate discharge, admission, or operative note	5	Indirect	PC, MK, SBP, P	1
Discuss medical condition, prognosis with patient and family	5	Indirect	PC, MK, IPC, P	2
Suture laceration	5	Oversight	PC, MK, IPC, P	1
Recognizes and initiates work up of routine complications from craniotomy	5	Indirect	PC, MK, IPC, P	2
Recognizes and initiates work up of routine complications from spinal surgery	5	Indirect	PC, MK, IPC, P	2

Recognizes and initiates work up of routine complications from spinal surgery	5	Indirect	PC, MK, IPC, P	2
Recognizes and initiates work up of routine complications systemic complications	5	Indirect	PC, MK, IPC, P	2
Performs routine craniotomy for brain tumor	5	Indirect	PC, MK, P	3
Assists with complex craniotomy for brain tumor	5	Indirect	PC, MK	3
Performs routine functional neurosurgical procedures	5	Indirect	PC, MK, P	3
Assists with complex functional neurosurgical procedures	5	Indirect	PC, MK, P	3
Performs routine chronic pain and peripheral nerve procedures	5	Indirect	PC, MK, P	3
Assists with complex chronic pain and peripheral nerve procedures	5	Indirect	PC, MK, P	3
Performs routine spinal surgery procedures	5	Indirect	PC, MK, P	3
Assists with complex spinal surgery procedures	5	Indirect	PC, MK, P	3
Performs routine vascular and endovascular procedures	5	Indirect	PC, MK, P	3
Assists with complex vascular and endovascular procedures	5	Indirect	PC, MK, P	3
Performs routine pediatric neurosurgical procedures	5	Indirect	PC, MK, P	3
Assists with complex pediatric neurosurgical procedures	5	Indirect	PC, MK, P	3
Performs routine craniotomy for traumatic brain injury	5	Indirect	PC, MK, P	3
Manages airway and performs endotracheal intubation	5	Indirect	PC, MK, IPC, SBP	2
Manages routine complications from craniotomy	5	Indirect	PC, MK, P, IPC, SBP, P	3
Manages routine complications from spinal surgery	5	Indirect	PC, MK, P, IPC, SBP, P	3
Manages routine complications from functional procedures	5	Indirect	PC, MK, P, IPC, SBP, P	3

Manages routine complications from vascular / endovascular procedures	5	Indirect	PC, MK, P, IPC, SBP, P	3
Performs complex craniotomy for brain tumor	5	Indirect	PC. MK	4
Assists with advanced craniotomy for brain tumor	5	Indirect	PC. MK	4
Performs complex functional neurosurgical procedures	5	Indirect	PC. MK	4
Assists with advanced functional neurosurgical procedures	5	Indirect	PC. MK	4
Performs complex spinal surgery procedures	5	Indirect	PC. MK	4
Assists with advanced spinal surgery procedures	5	Indirect	PC. MK	4
Performs complex vascular and endovascular procedures	5	Indirect	PC. MK	4
Assists with advanced vascular and endovascular procedures	5	Indirect	PC. MK	4
Performs complex pediatric neurosurgical procedures	5	Indirect	PC. MK	4
Assists with advanced pediatric neurosurgical procedures	5	Indirect	PC. MK	4
Performs complex craniotomy for traumatic brain injury	5	Indirect	PC. MK	4
Manages complex complications	5	Indirect	PC, MK, SBP, P, IPC, PBL	4