**2014-2015**

**Block Rotational Diagram**

**Department of Neurosurgery**

**University of XXX**

Revised September 4, 2013

**PGY-1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 |
| **Rotation** | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | NRO/NCCU/OP | NRO | SICU | NRO/NCCU/OP | NRO/NCCU/OP | NCCU |
| **% Outpatient** | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 50 | 0 | 0 | 50 | 50 | 0 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PGY-2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 |
| **Rotation** | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | NRO in NCCU |  |
| **% Outpatient** | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 5 | 0 | 0 | 0 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PGY-3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 2 | Site 2 | Site 2 | Site 2 | Site 2 | Site 2 |  |
| **Rotation** | Clinical NS | Clinical NS | Clinical NS | Clinical NS | IR | IR | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS | Board Prep |
| **% Outpatient** | 5 | 5 | 5 | 5 | 0 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PGY-4**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Rotation** | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective | Elective |
| **% Outpatient** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| **% Research** | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |

**PGY-5**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 2 | Site 2 | Site 2 | Site 2 | Site 2 | Site 2 |
| **Rotation** | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS | Pediatric NS |
| **% Outpatient** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 20 | 20 | 20 | 20 | 20 | 20 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PGY-6**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 3 | Site 3 | Site 3 | Site 3 | Site 3 | Site 3 |
| **Rotation** | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS | Clinical NS |
| **% Outpatient** | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 20 | 20 | 20 | 20 | 20 | 20 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**PGY-7**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Block (28 day)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **Site** | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 | Site 1 |
| **Rotation** | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief | Chief |
| **% Outpatient** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **% Research** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**KEY**

Site 1 – University of XXX Hospital

Site 2 – XXX Children’s Medical Center

Site 3 – YYY Medical Center

IR = Interventional Radiology

NCCU = Neuro Critical Care Unit

NRO = Neurology

NS = Neurosurgery

OP = Outpatient

SICU = Surgical Intensive Care Unit

**Notes:**

Possible Electives:

Laboratory and/or clinical research in neuro-oncology, spine, skull base, pediatric neurosurgery, and clinical trials are available. Residents may also participate in relevant course work at the University of XXX School of Graduate Medicine to earn a graduate degree.

Vacation Time:

Vacations are not taken during specific rotations or sites and one resident may be gone from a service at a time. No vacation is permitted the last two weeks of June and the first two weeks of July or during times of meetings. The Department tries to accommodate residents’ vacation requests provided that it does not interfere with the proper functioning of the service.

A brief discussion of each assignment as it appears in the block diagram:

**PGY1** –This year is spent acquiring fundamental clinical skills. During this year the resident will participate in 7 months of neurosurgery (3 of which are spend in the NCCU), 2 months of general surgery, 1 month in the Surgical Intensive Care Unit and 2 months of neurology (1 month inpatient and 1 month split between neurocritical care and outpatient neurology). Orientation to the PGY1 year includes education on sleep and sleep deprivation by the University of XXX Graduate Medical Education department. The educational material on these topics is always accessible on the GME web site. Our long-term plans are to phase out the general surgery rotation and at least one month of the inpatient neurology service and replace them with outpatient subspeciality neurology and acute stroke management/neurocritical care under the supervision of the ICU neurology attending.

**PGY2** - Clinical Neurosurgery at XXX During this year, the resident is a junior member of the housestaff participating in patient care on the adult neurosurgery service. Here residents participate in the junior-call rotation and are introduced to the full spectrum of adult neurosurgical disorders. They spend 6 blocks of the year in the NCCU under the supervision of the ICU neurology attending taking care of critically ill neurology patients, managing acute stroke patients as well as nonsurgical neurological disorders. They also take 4-5 blocks of night-float call responsibilites. We plan to substitute some the NCCU time to the PGY-1 residents with the goal of allowing for an earlier introduction to intraoperative skills.

**PGY3** - Clinical Pediatric Neurosurgery at XYY (6 blocks). During this rotation the residents are involved in the care of children with neurosurgical disorders along with a senior resident and a pediatric neurosurgery fellow. They have a one-in-three call rotation from home and obtain inpatient and outpatient emergency department and surgical experience.

Interventional Neuroradiology(IR) (2 blocks). IR experience is obtained during this time at XXX. Diagnostic and therapeutic techniques are learned as are indications and complications. Time is spent with a neuro-intensivist, neurosurgeon and neurologist.

Board preparation time (1 block). One block is intended for intensive board preparation time and self-study. Time on the neuropathology and neuroradiology service is also required.

Night Float (2 blocks).

**PGY4** - Elective (13 blocks). Several options for laboratory and/or clinical research in neuro-oncology, spine, skull base, pediatric neurosurgery, and clinical trials are available during this year. Some residents participate in relevant course work at the University of XXX School of Graduate Medicine, and several have earned graduate degrees. Residents on their elective rotations are responsible for two days per month of junior resident level call at XXX as well as outpatient telemedicine clinics ½ day twice montly.

**PGY5** – Senior resident on Clinical Neurosurgery at the XXX and YYY (6-7 blocks), and senior resident on Clinical Pediatric Neurosurgery at XYX (6-7 blocks).

**PGY6** – Senior resident on Clinical Neurosurgery at XXX and YYY (13 blocks) This time provides additional clinical experience that can be tailored to the resident’s needs and career aspirations. A rotation focused in a subspecialty area of clinical neurosurgery will be provided. The resident may work at YYY on selected days as case availability and interest allows.

**PGY7** - Chief resident at XXX (13 blocks). During this year the resident functions as the Chief Resident in charge of the service, performing a high volume of surgical cases of increasing complexity as their skills allow.