

Neurosurgery

Patient Care

Goals and Objectives

- 1) Interpret the results of initial focused clinical evaluations (history, physical examination, laboratory data) performed on patients admitted to the neurosurgical service to
 - a) Identify patients who are at risk for CNS failure
 - b) Identify the patients who require neurosurgical procedures
 - c) Identify the patients who require advanced neurosurgical evaluation
- 2) Interpret the results of daily focused clinical evaluations (history, physical examination, laboratory data) performed on patients admitted to the neurosurgical service to
 - a) Implement known strategies to minimize patient harm during neurosurgical service admission
 - b) Assess the efficacy of treatments and therapies
 - c) Treat ongoing or new CNS failure
- 3) Describe how to evaluate an adult with known or suspected CNS disease
- 4) Become familiar with the different radiological studies available for CNS evaluation including computed tomography, magnetic resonance imaging, neuro-angiography, nuclear medicine and positron-emitted tomography.

Responsibilities and Expectations

- 1) Write admission and inpatient orders with the guidance of the neurosurgical NP, residents, fellows, and attending physician
- 2) Compose H&Ps, daily progress notes, and procedure notes.
- 3) Attend daily morning rounds and be prepared to present patients in an organized and succinct manner
- 4) Update the neurosurgery patient list to facilitate the transfer of care from shift to shift
- 5) Implement the clinical decisions made by the team during rounds.
 - a) Communicate with the primary NP, resident, and attending
 - b) Arrange consultations
 - c) Communicate with the bedside RN
 - d) Review ongoing diagnostic studies
- 6) Notify the service NP if unable to implement the clinical plan
- 7) Communicate the results of consultations, diagnostic tests, and therapeutic procedures to the service NP in a timely manner

Medical knowledge

Goals and objectives

- 1) Understand the clinical importance of intracranial pressure in the setting of
 - a) Cerebrovascular disease
 - b) Intracranial tumors
- 2) Understand the clinical management of extraventricular drainage systems
- 3) Describe the importance of cerebral blood flow autoregulation
- 4) Understand the pathology and treatment of subarachnoid hemorrhage, aneurysms and arteriovenous malformations including
 - a) Neurointerventional radiology procedures
 - b) Neurosurgical procedures
- 5) Understand the pathology and management of intracranial tumors including
 - a) Gliomas
 - b) Astrocytomas
 - c) Meningiomas
- 6) Describe the management of new onset seizures and seizure prophylaxis in the neurosurgical population
- 7) Understand the concept of brain death and the management of the organ donor patient

Practice-Based Learning and Improvement

Goals and Objectives

- 1) Apply knowledge of study designs and statistical methods to critique the literature on diagnostic and therapeutic effectiveness of interventions performed in the neurosurgical population.
- 2) Analyze common complications related to neurosurgery

Responsibilities and Expectations

- 1) Attend morning educational conference
- 2) Attend monthly neurosurgery M&M conference to review and analyze treatment outcomes and complications
- 3) Meet with the NP fellowship director at least once during the rotation to review goals and objectives

Interpersonal and Communication Skills

Goals and Objectives

- 1) Communicate effectively as a member of the multidisciplinary team which rounds together

- 2) Communicate effectively with patients and families
- 3) Work effectively as a member of a professional group
- 4) Consistently demonstrate sensitivity to patients from different cultures

Responsibilities and Expectations

- 1) Establish appropriate role in the multidisciplinary care team
- 2) Maintain appropriate lines of communication within the care team and across disciplines

Professionalism

Goals and Objectives

- 1) Enhance the body of knowledge in advanced practice nursing through exchange of ideas and knowledge in professional organizations, conferences, research activities, and written publications.
- 2) Functions as a licensed independent practitioner

Responsibilities and Expectations

- 1) Demonstrate respect, compassion, and integrity
- 2) Demonstrate a commitment to excellence and on-going professional development
- 3) Provides patient centered care recognizing cultural diversity and the patient or designee as a full partner in decision making

Systems-Based Practice

Goals and Objectives

- 1) Understand the allocation of neurosurgical services at UCSF
- 2) Analyze the impact of neurosurgery on individuals and populations

Responsibilities and Expectations

- 1) Practice cost effective, evidence based health care and resource allocation that does not compromise quality of care
- 2) Know how to partner with health care managers and health care providers to assess, coordinate, and improve health care discharge planning and transition out of the intensive care unit.