**Continued Accreditation Application: Neurological Surgery**

401 North Michigan Avenue · Chicago, Illinois 60611 · United States · +1.312.755.7042 www.acgme-i.org

**Submission for Continued Accreditation:** This Advanced Specialty application is for programs applying for **Continued Accreditation Only** and is used in conjunction with the Accreditation Data System (ADS).

All sections of the form applicable to the program must be completed for it to be accepted for review. The information provided should describe the existing program. For items that do not apply, indicate “N/A” in the space provided. Where patient numbers are requested, provide exact numbers as requested and indicate exact dates for the data entered. If any requested information is unavailable, an explanation must be given, and it should also be indicated as unavailable in the appropriate place on the form. Once the forms are complete, number the pages sequentially in the bottom center.

The program director is responsible for the accuracy of the information supplied in this form, and must sign it. It must also be signed by the designated institutional official of the sponsoring institution, who will submit the application electronically in ADS.

Review the International Foundational Program Requirements for Graduate Medical Education and Advanced Specialty Program Requirements for Graduate Medical Education in Neurological Surgery. The International Foundational, Advanced Specialty, and Institutional Requirements may be downloaded from the ACGME International website: www.acgme-i.org.

Email questions regarding the form’s content to acgme-i@acgme-i.org.

Email questions regarding ADS to ADS@acgme.org (type your program number in the subject line).

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| Program Name: Click here to enter text. |

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**Introduction**

**Duration and Scope of Education**

* + - 1. What is the length, in months, of the educational program?

Choose an item.

**Institutions**

**Sponsoring Institution**

* + - 1. Does the Sponsoring Institution sponsor ACGME-I accredited programs in the following specialties?
				1. Anesthesiology [ ] YES [ ] NO
				2. Diagnostic radiology [ ] YES [ ] NO
				3. General surgery [ ] YES [ ] NO
				4. Internal medicine [ ] YES [ ] NO
				5. Neurology [ ] YES [ ] NO
				6. Pediatrics [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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* + - 1. Are clinical resources available to educate neurological surgery residents in the following?
				1. Anesthesiology [ ] YES [ ] NO
				2. Critical care [ ] YES [ ] NO
				3. Emergency medicine [ ] YES [ ] NO
				4. Endocrinology [ ] YES [ ] NO
				5. Ophthalmology [ ] YES [ ] NO
				6. Otolaryngology [ ] YES [ ] NO
				7. Pathology [ ] YES [ ] NO
				8. Psychiatry [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Participating Sites**

Including all participating sites, are at least 100 major neurological surgery procedures per year available to the program? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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Are major neurological surgery procedures evenly distributed among the required spectrum of cases as outlined in advanced specialty requirement II.D.1.c).? [ ] YES [ ] NO

If ‘YES,’ skip to Question 4.

Explain if ‘NO.’ (Limit 250 words)

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* + - 1. Are special clinical resources available to augment the availability of index cases, including the following?
				1. Pediatric neurological surgery [ ] YES [ ] NO
				2. Sterotaxy [ ] YES [ ] NO
				3. Trauma [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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* + - 1. Complete the table below indicating the approximate distance each of the participating sites is from the primary clinical site.

|  |  |
| --- | --- |
| **Site** | **Distance from Primary Clinical Site (in km)** |
| Site #1 – primary clinical site | NA |
| Site #2 |  |
| Site #3 |  |
| Site #4 |  |

**Program Personnel and Resources**

**Faculty**

* + - 1. Are there at least three faculty members who are neurological surgeons located at the primary clinical site? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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* + - 1. Are there site directors at each participating site? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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If ‘YES,’ is each site director:

* + - * 1. a qualified neurological surgeon? [ ] YES [ ] NO
				2. appointed by the program director? [ ] YES [ ] NO
				3. accountable to the program director for educational activities at that participating site?
				 [ ] YES [ ] NO
				4. responsible for education of residents at that participating site? [ ] YES [ ] NO
				5. responsible for evaluation of residents at that participating site? [ ] YES [ ] NO
				6. responsible for supervising the teaching activities of other neurological surgery faculty members at that participating site? [ ] YES [ ] NO
				7. responsible for monitoring the professional standing of other neurological surgery faculty members at that participating site? [ ] YES [ ] NO
				8. a faculty member with major clinical responsibilities at that participating site? [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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* + - 1. Do the physician faculty members:
1. have an established, in-depth understanding of pathophysiology? [ ] YES [ ] NO
2. have an established, in-depth understanding of clinical practice? [ ] YES [ ] NO
3. demonstrate elements of evidence-based practice? [ ] YES [ ] NO
4. document their participation in activities that expose them to new developments in the field?

 [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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**Resources**

* + - 1. Explain how the program ensures there will be a minimum of 500 major neurological surgery procedures per year for each graduating resident. (Limit 400 words)

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* + - 1. Explain how the program ensures each graduating resident’s distribution of surgical experience represent a well-balanced spectrum of neurological surgery in adults. (Limit 400 words)

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1. Explain how the program ensures each graduating resident’s distribution of surgical experience represent a well-balanced spectrum of neurological surgery in children. (Limit 400 words)

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1. Does the spectrum of neurological surgery cases include cerebrospinal fluid diversion procedures, including the following?
2. Endoscopy [ ] YES [ ] NO
3. Endovascular neurosurgery [ ] YES [ ] NO
4. Functional/epilepsy surgery [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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1. Does the spectrum of neurological surgery cases include craniotomies for the following?
2. Aneurysms [ ] YES [ ] NO
3. Neoplasms [ ] YES [ ] NO
4. Trauma [ ] YES [ ] NO
5. Vascular malformations [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

|  |
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| Click here to enter text. |

1. Does the spectrum of neurological surgery cases include the following?
2. Extracranial carotid artery surgery [ ] YES [ ] NO
3. Pain management [ ] YES [ ] NO
4. Spinal procedures using modern techniques [ ] YES [ ] NO
5. Stereotaxic surgery (including radiosurgery) [ ] YES [ ] NO
6. Transsphenoidal surgery [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do inpatient facilities have adequate:
2. excellence in overall patient care? [ ] YES [ ] NO
3. equipment to ensure quality education? [ ] YES [ ] NO
4. number of beds? [ ] YES [ ] NO
5. support for peri-operative care? [ ] YES [ ] NO
6. support personnel? [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Are neurological surgery beds located on a unit designed for the care of neurological surgery patients? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

1. Is adequate space for research available within the neurological surgery division or department?

 [ ] YES [ ] NO

1. Is research support personnel within the neurological surgery division or department adequate?

 [ ] YES [ ] NO

1. Are clinical and/or basic research opportunities available to neurological surgery residents?

 [ ] YES [ ] NO

Explain any ‘NO’ responses to Questions 9-11. (Limit 250 words)

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| Click here to enter text. |

**Resident appointments**

**Number of Residents**

Explain how the program ensures there will be at least one resident in each year of the educational program. (Limit 300 words)

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**Specialty-Specific Educational Program**

**ACGME-I Competencies**

**Professionalism**

1. How do graduating residents demonstrate a commitment to fulfilling their professional responsibilities and adhering to ethical principles?

Describe how these skills are evaluated. (Limit 300 words)

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1. How do graduating residents demonstrate the following?
2. Compassion, integrity, and respect for others
3. Responsiveness to patient needs that supersedes self-interest
4. Respect for patient privacy and autonomy
5. Accountability to patients, society, and the profession
6. Sensitivity and responsiveness to a diverse patient population, including to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation
7. Sensitivity to patient’s pain, emotional state, and gender/ethnicity issues
8. The ability to discuss death honestly, sensitively, patiently, and compassionately

Provide an example of how skill is evaluated in four of the seven areas listed. (Limit 400 words)

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**Patient Care and Procedural Skills**

1. How do graduating residents demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health?

Describe how this is evaluated (Limit 300 words).

|  |
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| Click here to enter text. |

* + - 1. How do graduating residents demonstrate competence in the following?
1. Gathering essential patient information in a timely manner
2. Generating a differential diagnosis and properly sequencing critical actions for patient care, including managing complications and morbidity and mortality
3. Generating and implementing an effective plan of management
4. Prioritizing and stabilizing multiple patients
5. Synthesizing and properly utilizing acquired patient data

Provide an example of how competence is evaluated in three of the five areas listed. (Limit 300 words)

|  |
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1. How do graduating residents demonstrate competence in performing adult cranial operative procedures, including the following?
2. Craniotomy for brain tumors
3. Craniotomy for intracranial vascular lesions
4. Craniotomy for pain
5. Craniotomy for trauma
6. Endovascular/interventional procedures for intracranial cerebrovascular and neurooncologic conditions
7. Extracranial vascular procedures (open surgery and endovascular)
8. Functional procedures
9. Radiosurgery
10. Ventriculoperitoneal (VP) shunt

Provide an example of how competence is evaluated in five of the nine procedures listed. (Limit 500 words)

|  |
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1. How do graduating residents demonstrate competence in performing adult spinal procedures, including the following?
2. Anterior cervical approaches for decompression/stabilization
3. Craniotomy for epilepsy
4. Interventional procedures for spinal conditions
5. Lumbar discectomy
6. Peripheral nerve procedures
7. Posterior cervical approaches for decompression/stabilization
8. Thoracic/lumbar instrumentation fusion

Provide an example of how competence is evaluated in four of the seven procedures listed. (Limit 400 words)

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1. How do graduating residents demonstrate competence in performing pediatric procedures, including the following?
2. Craniotomy for brain tumor
3. Craniotomy for epilepsy
4. Craniotomy for trauma
5. Spinal procedures, to include Chiari decompressions, laminectomy for dysraphism, laminectomy for spinal tumors, laminectomy for syingomyelia, and correction of spinal deformity
6. VP shunt

Provide an example of how competence is evaluated in three of the five procedures listed. (Limit 300 words)

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1. How do graduating residents demonstrate competence in the following?
2. Analyzing patient outcomes
3. Assessing post-operative recovery
4. Communicating with referring physicians
5. Developing the physician-patient relationship
6. Providing health care services aimed at preventing health problems and maintaining health
7. Recognizing and treating complications

Provide an example of how competence is evaluated in four of the six areas listed.

(Limit 400 words)

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**Medical Knowledge**

1. How do graduating residents demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care?

Describe how knowledge is evaluated. (Limit 400 words)

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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of neurosurgical emergencies?

Describe how knowledge is evaluated. (Limit 300 words)

|  |
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1. How do graduating residents demonstrate knowledge of treating neurosurgical conditions, including the following?
2. Cerebrovascular disorders
3. Functional neurosurgery
4. Neurocritical care
5. Neuro-oncology
6. Pain
7. Pediatric neurological surgery
8. Peripheral nerve disorders
9. Spinal disorders
10. Trauma

Provide an example of how knowledge is evaluated in five of the nine areas listed.

(Limit 500 words)

|  |
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1. How do graduating residents demonstrate knowledge of different medical practice models and delivery systems and how to best utilize them to care for an individual patient?

Describe how knowledge is evaluated. (Limit 300 words)

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| Click here to enter text. |

1. How do graduating residents demonstrate knowledge of study design and statistical methods?

Describe how knowledge is evaluated. (Limit 300 words)

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**Practice-based Learning and Improvement**

1. How do graduating residents demonstrate their ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning?

Describe how these skills are evaluated. (Limit 300 words)

|  |
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1. How do graduating residents demonstrate they have developed skills and habits to be able to meet the following goals?
2. Identify strengths, deficiencies, and limits in one’s knowledge and expertise
3. Identify and perform appropriate learning activities
4. Incorporate evidence-based principles in their practice
5. Incorporate formative evaluation feedback into daily practice
6. Locate, appraise, and assimilate evidence from scientific studies related to their patients’ health problems
7. Participate in the education of patients, patients’ families, students, other residents, and other health professionals
8. Set learning and improvement goals
9. Systematically analyze clinical practice using quality improvement methods, and implement changes with the goal of practice improvement
10. Use information technology to optimize learning

Provide an example of how skill is evaluated in five of the nine areas listed. (Limit 500 words)

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**Interpersonal and Communication Skills**

1. How do graduating residents demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals?

Describe how these skills are evaluated. (Limit 300 words)

|  |
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| Click here to enter text. |

1. How do graduating residents demonstrate their ability to:
2. communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;
3. communicate effectively with physicians, other health professionals, and health-related agencies;
4. work effectively as a member or leader of a health care team or other professional group;
5. act in a consultative role to other physicians and health professionals;
6. maintain comprehensive, timely, and legible medical records, if applicable;
7. demonstrate effective listening and non-verbal communication skills;
8. demonstrate effective written communication skills;
9. demonstrate an effective therapeutic relationship with patients and their families, with respect for diversity and cultural, ethnic, spiritual, emotional, and age-specific differences; and,
10. involve patients and their families in medical decisions, including decisions related to palliative care, end-of-life care, and withdrawal of care?

Provide an example of how skill is evaluated in five of the nine areas listed. (Limit 500 words)

|  |
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| Click here to enter text. |

**Systems-based Practice**

1. How do graduating residents demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care?

Describe how these skills are evaluated. (Limit 300 words)

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1. How do graduating residents demonstrate their ability to:
2. work effectively in various health care delivery settings and systems relevant to their clinical specialty;
3. coordinate patient care within the health care system relevant to their clinical specialty;
4. incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population based care as appropriate;
5. advocate for quality patient care and optimal patient care systems;
6. work in interprofessional teams to enhance patient safety and improve patient care quality;
7. participate in identifying system errors and implementing potential systems solutions; and,
8. access, appropriately utilize, and evaluate the effectiveness of the resources, providers, and systems necessary to provide optimal neurosurgical care?

Provide an example of how skill is evaluated in four of the seven areas listed. (Limit 400 words)

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| Click here to enter text. |

**Regularly Scheduled Educational Activities**

1. Complete Appendix A., Formal Didactic Sessions by Academic Year, and attach to submission.
2. Explain how conferences are coordinated among participating sites to allow attendance by a majority of on-site faculty members and residents. (Limit 300 words)

|  |
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| Click here to enter text. |

1. Is conference attendance documented for both residents and faculty members? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

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| Click here to enter text. |

1. Are residents protected from clinical responsibilities during didactic sessions? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. Do didactic sessions include the following?
	1. Basic sciences [ ] YES [ ] NO
	2. Basic physics as it relates to tumors of the central nervous system [ ] YES [ ] NO
	3. Late effects of radiation on the central nervous system [ ] YES [ ] NO
	4. Neuropathology [ ] YES [ ] NO
	5. Radiation oncology [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Complete the table to indicate whether didactic sessions include the topics related to management of adult and pediatric patients with disorders of the nervous system. Indicate ‘YES’ or ‘NO’ for each topic for *both* pediatric *and* adult patients.

|  |  |  |
| --- | --- | --- |
| Topics  | Adult Patients | Pediatric Patients |
|  | YES | NO | YES | NO |
| Endovascular management  |[ ] [ ] [ ] [ ]
| Conservative management  |[ ] [ ] [ ] [ ]
| Radiation therapy |[ ] [ ] [ ] [ ]
| Surgical management  |[ ] [ ] [ ]  [ ]  |

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do didactic sessions cover the following?
	* + - 1. Disorders of the brain [ ] YES [ ] NO
	1. Disorders of the blood supply to brain, meninges, skull, and skull base [ ] YES [ ] NO
	2. Disorders of the meninges) [ ] YES [ ] NO
	3. Disorders of the skull (including skull base [ ] YES [ ] NO
	4. Surgical and endovascular treatment of disorders of the intracranial vasculature supplying the brain and spinal cord [ ] YES [ ] NO
	5. Surgical and endovascular treatment of the extracranial vasculature supplying the brain and spinal cord [ ] YES [ ] NO
	6. Disorders of the pituitary gland [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do didactic sessions cover disorders of the spinal cord that require treatment by the following?
2. Endovascular techniques [ ] YES [ ] NO
3. Fusion [ ] YES [ ] NO
4. Instrumentation [ ] YES [ ] NO
5. Do didactic sessions cover disorders of the meninges that require treatment by the following?
6. Endovascular techniques [ ] YES [ ] NO
7. Fusion [ ] YES [ ] NO
8. Instrumentation [ ] YES [ ] NO
9. Do didactic sessions cover disorders of the vertebral column that require treatment by the following?
10. Endovascular techniques [ ] YES [ ] NO
11. Fusion [ ] YES [ ] NO
12. Instrumentation [ ] YES [ ] NO

Explain any ‘NO’ responses to Questions 8-10. (Limit 250 words)

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| Click here to enter text. |

1. Do didactic sessions cover disorders of the following nerves throughout their distribution?
2. Cranial nerves [ ] YES [ ] NO
3. Peripheral nerves [ ] YES [ ] NO
4. Spinal nerves [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do didactic sessions include the following sessions designed specifically for neurological surgery residents?
2. Endovascular surgical neuroradiology [ ] YES [ ] NO
3. Neuropathology [ ] YES [ ] NO
4. Neuroradiology [ ] YES [ ] NO

If ‘YES,’ are the sessions conducted by qualified:

1. endovascular neurosurgeons [ ] YES [ ] NO
2. neuropathologists ? [ ] YES [ ] NO
3. neuroradiologists? ? [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

**Clinical Experiences**

1. Describe how the program ensures that during the first year of their educational program, residents participate in clinical and didactic activities to develop knowledge, attitudes, and skills needed to formulate principles and assess, plan, and initiate treatment of patients with surgical problems and medical problems. (Limit 400 words)

|  |
| --- |
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1. During the first year of their educational program, are residents involved in the care of patients with the following?
2. Medical emergencies [ ] YES [ ] NO
3. Multiple organ system trauma [ ] YES [ ] NO
4. Nervous system diseases [ ] YES [ ] NO
5. Nervous system injuries [ ] YES [ ] NO
6. Surgical emergencies [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. During the first year of their educational program, do residents gain experience in the care of critically ill:
2. medical patients? [ ] YES [ ] NO
3. surgical patients? [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| --- |
| Click here to enter text. |

1. During the first year of their educational program, do residents participate in the following?

Pre-operative care of surgical patients [ ] YES [ ] NO

Intra-operative care of surgical patients [ ] YES [ ] NO

Post-operative care of surgical patients [ ] YES [ ] NO

Explain any ‘NO’ responses (Limit 250 words).

|  |
| --- |
| Click here to enter text. |

1. During the first year of their educational program, do residents develop the following?
2. Basic surgical skills [ ] YES [ ] NO
3. Understanding of anesthetic risks [ ] YES [ ] NO
4. Understanding of intra-operative anesthetic complications [ ] YES [ ] NO
5. Understanding of surgical anesthesia [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Complete the following table indicating the number of months for each educational experience.

|  |  |
| --- | --- |
| **Educational Experience** | **Number of Months** |
| Clinical neurological surgery education at the primary clinical site  |  |
| Clinical neurological surgery education at approved participating site(s) |  |
| Structured education in general patient care |  |
| Structured education in operative neurological surgery |  |

1. Complete the following table indicating the months for each educational experience *during the first 18 months of the educational program*.

|  |  |
| --- | --- |
| **Educational Experience** | **Number of Months** |
| Basic clinical neuroscience education |  |
| Critical care education applicable to the neurosurgical patient |  |

1. Does each resident’s critical care experience include the following procedures?
2. Airway management (intubation/tracheostomy) [ ] YES [ ] NO
3. Arterial line placement [ ] YES [ ] NO
4. Arteriography [ ] YES [ ] NO
5. Central Venous Pressure (CVP) line placement [ ] YES [ ] NO
6. Cervical spine traction (tongs/halo) [ ] YES [ ] NO
7. External ventricular drain [ ] YES [ ] NO
8. Intercranial Pressure (ICP) monitor placement [ ] YES [ ] NO
9. Sterotactic frame placement [ ] YES [ ] NO
10. VP shunt tap/programming [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do residents’ experiences include participating in patient management for the full spectrum of neurosurgical disorders? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. If ‘YES’ to Question 9, do these experiences include the following?
2. Adult patients [ ] YES [ ] NO
3. Critical care [ ] YES [ ] NO
4. Pediatric patients [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

|  |
| --- |
| Click here to enter text. |

1. Do residents’ experiences include the following?
	1. Making pre-operative decisions [ ] YES [ ] NO
	2. Participating in surgical procedures [ ] YES [ ] NO
	3. Participating in endovascular procedures [ ] YES [ ] NO
	4. Participating in interventional procedures [ ] YES [ ] NO
	5. Participating in radiological procedures [ ] YES [ ] NO
	6. Active involvement in post-surgical care [ ] YES [ ] NO
	7. Follow-up evaluation of patients [ ] YES [ ] NO
	8. Communicating with referring physicians [ ] YES [ ] NO
	9. Developing physician-patient relationships [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Describe how resident participation in and responsibility for operative procedures increases progressively throughout the educational program. Include the objective measures faculty members use to determine a resident’s readiness to progress. (Limit 400 words)

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| --- |
| Click here to enter text. |

* + 1. Do residents have opportunities to evaluate patients referred for elective surgery in an outpatient environment? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 300 words)

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| --- |
| Click here to enter text. |

If ‘YES,’ does their experience include the following?

* + - * 1. Obtaining a complete history [ ] YES [ ] NO
				2. Conducting an examination [ ] YES [ ] NO
				3. Ordering diagnostic studies, including imaging as needed [ ] YES [ ] NO
				4. Interpreting diagnostic studies [ ] YES [ ] NO
				5. Arriving independently at a diagnosis [ ] YES [ ] NO
				6. Arriving independently at a plan of management [ ] YES [ ] NO
				7. active involvement in pre-operative decision-making [ ] YES [ ] NO
				8. Subsequent involvement in operative procedures [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| Click here to enter text. |

1. Do residents spend a 12-month period as chief resident on the neurological surgery clinical service at the Sponsoring Institution or at a participating site? [ ] YES [ ] NO

Explain if ‘NO.’ (Limit 300 words)

|  |
| --- |
| Click here to enter text. |

If ‘YES,’ do chief residents have:

primary responsibility for patient management with faculty member supervision? [ ] YES [ ] NO

administrative responsibility as designated by the program director? [ ] YES [ ] NO

Explain any ‘NO’ responses. (Limit 250 words)

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| --- |
| Click here to enter text. |

**Scholarly Activity**

1. Describe how residents:
2. participate in the development of new knowledge. (Limit 250 words)

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| Click here to enter text. |

1. learn to evaluate research findings. (Limit 250 words)

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| Click here to enter text. |

1. develop habits of inquiry as a continuing professional responsibility. (Limit 250 words)

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Appendix A. Formal Didactic Sessions by Academic Year

For each year of the residency, attach (Label: Appendix A.) a list of all scheduled didactic courses (including discussion groups, seminars and conferences, grand rounds, basic science, skills labs, and journal club) at all participating sites to which residents rotate using the format below. If attended by residents from multiple years, list in each year but provide a full description *only the first time the site is listed*.

Number sessions **consecutively** from the first year through the final year so that the scheduled didactic sessions can be easily referenced throughout the application. **Be brief and use the outline that follows.**

Year in the program:

Number: Title:

a) Type of Format (e.g., seminar, conference, discussion groups)

b) Required or elective

c) Brief description (three or four sentences)

d) Frequency, length of session and total number of sessions

**Example:**

|  |
| --- |
| Y-101. Introduction to Neurological Surgerya) Seminarb) Required Y-1c) Survey of contemporary methods and styles of neurological surgery including approaches to clinical work with minority populations.d) Weekly, for 8 sessions.02. Departmental Grand Roundsa) Discussion groupsb) Required Y-1, Y-2, Y-3; Elective Y-4c) Clinical case presentations, sponsored by each departmental division, followed by discussion and review of contemporary state of knowledge. Format includes resident presentations and discussions with additional faculty discussant.d) Twice monthly, 24 sessions |

If resident attendance is monitored, explain how this is accomplished and how feedback is given regarding non-attendance (Limit 250 words).

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| Click here to enter text. |