

# THE AMERICAN BOARD OF NEUROSCIENCE NURSING



Certified Neuroscience Registered Nurse (CNRN®)

## 2025 Recertification Handbook

For CNRNs initially certified in 2020 or  
recertified as of January 1, 2021

**Application Deadline for Recertify by Exam: September 4, 2025\***  
**Early-Bird Application Deadline for Recertify by CE: October 1, 2025\***

*\*Applications received at the national office after 5:00pm Central Time October 1, 2025, will pay the standard recertification fee.*

**Final Recertification by CE Deadline: January 31, 2026**

No applications will be accepted after 5:00 PM (Central), January 31, 2026  
Application forms must be completed on the web and printed if submitting by check.

The American Board of Neuroscience Nursing  
1061 American Ln Suite 310, Schaumburg, IL 60173-4973  
Toll-free: 888/557-2266 | 847/375-4733 | Fax: 847/375-6430  
[www.ABNNcertification.org](http://www.ABNNcertification.org)  
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**American Board of Neuroscience Nursing Recertification Program**

## Duration of Certification

CNRN certification is recognized for a period of five (5) years. The actual expiration date of a CNRN certificate is December 31<sup>st</sup> of the 5<sup>th</sup> complete year after certification (i.e., certification of CNRNs initially certified in 2020 or recertified effective January 1, 2021, expires on December 31, 2025). To renew certification, the certificant may either apply to retake the certification exam or submit documentation of the required continuing education hours and work hours in neuroscience nursing. Early in the year that an individual's certification is due to expire, ABNN will notify candidates that their recertification application is due. **However, it is ultimately the responsibility of the CNRN to initiate the recertification process as well as to provide ABNN with current contact information.**

## ABNN's Statement on Continued Competency

The Accreditation Board for Specialty Nursing Certification (ABSNC) defines continuing competency as "the ongoing commitment of a registered nurse to integrate and apply the knowledge, skills, and judgment with the attitudes, values, and beliefs required to practice safely, effectively, and ethically in a designated role, patient population, and/or setting." ABNN adopts this definition and believes that all ABNN Certificants should continue to expand on their knowledge through practice, continuing education, and/or professional development throughout their 5-year certification cycle. With the advancements of science and technology related to neuroscience changing over the years, the goal of ABNN's recertification program is for certificants to demonstrate continued competency by meeting the one of three different recertification pathways as stated below. Recertification demonstrates an ABNN certified nurse's commitment to patient care and dedication to life-long learning.

## Eligibility for Recertification

- Current, unrestricted licensure as a registered nurse in the United States or Canada.

### OPTION 1

4,160 direct or indirect neuroscience nursing practice hours in the past 5 years (equivalent to 2 years full-time work)

**and**

Retaking of the certification exam

### OPTION 2

4,160 direct or indirect neuroscience nursing practice hours in the past 5 years (equivalent to 2 years full-time work)

**and**

75 continuing education hours (see following pages for specific categories)

### OPTION 3

2,500 direct or indirect neuroscience nursing practice hours in the past 5 years (part-time)

**and**

100 continuing education hours (see following pages for specific categories)

- **Neuroscience nursing practice includes both direct (bedside/clinical practice) and indirect (consultation, research, administration, or education) in the neuroscience field.**
- An approved CE offering or program is one approved by a state or national organization authorized to grant continuing education credit such as the American Nurses Association, the National League for Nursing, the American Association of Neuroscience Nurses, a state nurses association, a state board of nursing, or a hospital or other institution accredited as a provider by a national or state nursing organization, such as the American Nurses Credentialing Center (ANCC). In the event the application lists attendance at a seminar not meeting this definition, additional documentation is required.
- **Candidates for recertification who select Option 1 and fail the examination cannot opt to recertify with continuing education hours after taking the exam.**

## Eligibility for Recertification Rationale

- **5-year recertification period** – The 5-year recertification period was chosen as advancements in science and technology related to neuroscience are generally stable over this period of time. The recertification requirements direct specifically to the neuroscience population and coincide with the knowledge statements of the Job Analysis.
- **Option 1** – 4,160 neuroscience nursing practice hours in the past 5 years (equivalent to 2 years full-time work) AND retaking/passing the certification exam.
  - The practice requirement of direct or indirect neuroscience nursing facilitates the maintenance of current skills, and also promotes the acquisition of new skills through their exposure to the practice setting. The practice requirement of 2-years full time within the 5-year cycle takes into account the amount of time it will take a nurse to see a sufficient number and range of neuroscience patients as needed to remain competent as a CNRN. The work experience, study/preparation, and passing the exam will prove that the CNRN has maintained current knowledge and competence to be a CNRN.
- **Option 2** – 4,160 neuroscience nursing practice hours in the past 5 years (equivalent to 2 years full-time work) AND 75 continuing education hours.
  - CNRN recertification with continuing education in the different categories is based on a belief that practice in the neuroscience field, in conjunction with continuing education (CE) activities, contributes to the continued competency of RNs working in the neuroscience field. Recertification by CE is available to meet the needs of a diverse population of certificants so those that prefer to keep updated via educational programs (Category 1) may do so. This allows the nurse to stay current through evidence-based practice in the medicine and healthcare of their specialty area. The additional categories recognize that professional development and maintenance of leadership competencies may be accomplished in a variety of professional activities.
- **Option 3** – 2,500 neuroscience nursing practice hours in the past 5 years (equivalent to 2 years part-time work) AND 100 continuing education hours.
  - Candidates who are working part-time are required to earn additional CE to ensure that they are gaining additional training/education for experience and skills that they may not have received during their practice hours.

## Options 2 & 3: Recertification by Continuing Education (CE) Hours Credit

The activities documented must pertain to the application or dissemination of knowledge that the certified neuroscience nurse is required to know to stay current in practice. All items submitted for CE credit, regardless of category, **must** be neuroscience-related. Any item that is not neuroscience-related will not be accepted. There are six categories of CE eligible for recertification credit:

**Category 1:** Neuroscience Nursing Education

**Category 2:** Program or Project Activities

**Category 3:** Research

**Category 4:** Teaching

**Category 5:** Publication

**Category 6:** Involvement in Professional Organizations

Of the required CE hours, a **minimum** of thirty (30) under Option 2 or forty (40) under Option 3 must be in Category 1. **All 75 (100) CE hours may be obtained in Category 1.** Or, once the required CE for Category 1 is obtained, the remaining CE can be earned in any and all of the other five categories. Examples of acceptable CE activities broken down by category are listed below.

**Category 1: Neuroscience Nursing Education.** A **minimum** of thirty (30) **CE hours** under Option 2 or forty (40) **CE hours** under Option 3 must be attended in neuroscience nursing courses approved by state or national organizations authorized to grant nursing continuing education credit, a state board of nursing, or an institution accredited to grant approval by a national or state nursing organization.

The following examples can be submitted for CE under Category 1: Neuroscience Nursing Education

- a. Courses attended with DOCUMENTED neuroscience nursing content approved or accredited by ANCC (e.g., the AANN annual meeting), state boards of nursing, AACN, Association of Rehabilitation Nurses, or other nursing CE approvers
- b. Neuroscience nursing home study courses approved by similar accrediting bodies.
- c. Internet or on-line neuroscience nursing courses approved as above (e.g., AANN's on-line *JNN* articles).
- d. Courses taken for academic credit from an accredited college or university and specific to neuroscience. One quarter credit hour equals ten (10) CE hours. One semester credit hour equals fifteen (15) CE hours.
- e. Neuroscience CMEs. One CME equals one (1) CE hour.

If you attended a course that was only partially or not clearly neuroscience-related, or the title of the course does not explicitly indicate neuroscience content, submission of a course outline is required to enable the determination of the appropriate amount of neuroscience nursing credit. For example, a course titled "2023 Critical Care Update" may contain some neuroscience content, but based on the title alone the content is not clear to the reviewer unless a course syllabus or outline is submitted.

Please see the exam content outline on page 9-12.

For all attendance or home study activities, each of the following equals **one (1) CE hour**:

60 minutes of lecture

0.1 continuing education unit (CEU)

1 continuing education recognition point (CERP)

Applicants wishing to count programs/courses that do not carry accredited nursing CE or medical CME credit must include the full name and description of the program, including its specific neuroscience content (e.g., "grand rounds" does not qualify).

**Category 2: Program or Project Activities.** This category does not have an overall minimum or maximum for the recertification cycle, although some activities have yearly maximums. Please review the following for a list of acceptable activities and the corresponding CE amounts that can be submitted. All activities must be neuroscience-related. Activities that are not neuroscience-related will not be accepted.

- a. Service on a neuroscience-related committee for 1 year = 5 CE  
- includes committees that are institutional or employer-based
- b. Development of a neuroscience teaching tool for patients or staff = 5 CE
- c. Development of a QI project = 5 CE (maximum 15 per year)
- d. Development of an original policy/procedure or competency-based tool = 5 CE
- e. Facilitation of a neuroscience-related support group for 1 hour = 1 CE (maximum of 10 per year)

**Category 3: Research.** This category does not have an overall minimum or maximum for the recertification cycle, although some activities have yearly maximums. Please review the following for a list of acceptable activities and the corresponding CE amounts that can be submitted. All activities must be neuroscience-related. Activities that are not neuroscience-related will not be accepted.

- a. PhD dissertation = 25 CE  
- Committee letter documenting completion and approval required.
- b. Master's thesis = 15 CE  
- Committee letter documenting completion and approval required.
- c. Grant proposal submission = 10 CE (maximum of 10 per year)
- d. Research project implementation (including data collection and recruitment) for 1 year = 5 CE

**Category 4: Teaching.** This category does not have an overall minimum or maximum for the recertification cycle, although some activities have yearly maximums. Please review the following for a list of acceptable activities and the corresponding CE amounts that can be submitted. All activities must be neuroscience-related. Activities that are not neuroscience-related will not be accepted.

- a. Presentation of neuroscience content at a conference or class for 60 minutes = 3 CE (maximum of 15 per year)
- b. Poster presentation of neuroscience content at conference = 3 CE
- c. Development and teaching of an academic course for 1 semester credit hour = 20 CE
- d. Development and teaching of an academic course for 1 quarter credit hour = 15 CE
- e. Precepting a new neuroscience nurse for 80 hours = 10 CE

**Category 5: Publication.** Some items in this category have maximums for the recertification cycle. Please review the following for a list of acceptable activities and the corresponding CE amounts that can be submitted. All activities must be neuroscience-related. Activities that are not neuroscience-related will not be accepted.

- a. Writing or editing a chapter in a text = 15 CE (maximum of 60 per recertification cycle)  
- The chapter submitted for CE credit must be neuroscience-related, although the text it is included in does not need to be exclusively made up of neuroscience content.
- b. Publication of a neuroscience article in a peer reviewed journal = 10 CE (maximum of 30 per recertification cycle)
- c. Manuscript review of one neuroscience-related article for publication in the *Journal of Neuroscience Nursing* or other peer-reviewed journal = 5 CE (maximum of 30 per recertification cycle)
- d. Publication of an article written for a local journal or newsletter = 5 CE

**Category 6: Involvement in Professional Organizations.** Some items in this category have maximums for the recertification cycle. Please review the following for a list of acceptable activities and the corresponding CE amounts that can be submitted. All activities must be neuroscience-related. Activities that are not neuroscience-related will not be accepted.

- a. Service on the board of ABNN, the American Association of Neuroscience Nurses (AANN), or the Agnes Marshall Walker Foundation (AMWF) for one (1) year = 10 CE (maximum of 30 per recertification cycle)
- b. Development of five (5) CNRN items = 3 CE hours (maximum of 15 per recertification cycle)
- c. Serving on ABNN's Test Development Committee (TDC) for one (1) term (3 years) = 30 CE
- d. Serving on ABNN's Re-referencing Committee for one (1) year = 10 CE  
*Note: Assignment must be completed. No CE will be given for partial work.*
- e. Volunteer/medical work for patient support organizations and/or missions for one year = 10 CE (maximum of 30 per recertification cycle)
- f. Committee member at the national or local level for one year = 10 CE (maximum of 30 per recertification cycle)

**If CE hours are not specifically listed in any of the categories above, you may be asked to submit supporting documentation.**

## Recertification Application Fees (Non-Refundable)

Applications submitted on or before the early-bird deadline of **October 1, 2025** must pay the following fee:

	AANN Member	Non-Member
Online – Credit Card	\$275	\$385
Online – Check	\$300	\$410

Applications received between **October 2, 2025** and **January 31, 2026** must pay the standard recertification fee below:

	AANN Member	Non-Member
Online – Credit Card	\$360	\$470
Online – Check	\$385	\$495

If you are unable to pay by credit card, the check or money order in U.S. dollars payable to the **American Board of Neuroscience Nursing (ABNN)** must be submitted with the reference number received with the online application. Applications will not be processed without the accompanying fee. **The application fee is not refundable.** Early-bird applications must be submitted at the national office by 5:00pm Central Time on Wday, October 1, 2025. **Applications received at the national office after 5:00pm Central Time October 1, 2025, will be charged the standard recertification fee. Applications will be accepted at the national office only through 5:00pm Central Time, January 31, 2026. No applications will be accepted after this date.**

## Application Instructions

Please follow the instructions below to complete your recertification application.

1. Visit [www.abnncertification.org](http://www.abnncertification.org) and click 'Certification Center'.
2. Log-in to your certification center:
  - **IMPORTANT: Do NOT create a new account.** Since you are due to renew, you already have an account in our system. If you click create a new account, it will prevent you from being able to complete your recertification application. If you do not remember your username and/or password, please click on the links provided and an email will be sent to you to reset. If you need assistance with your username or password, please contact Customer Service at 847-375-4733.
3. Click on "Apply" for CNRN Recertification in your Current Applications (opens June 1, 2025)
4. Follow each step to complete your recertification application. **Please Note:** All CE must be earned at the time of submitting the application. If you have not earned the appropriate amount of CE, do NOT submit your application or you will fail your audit.
5. You have the ability to save your work before moving on to the next tab and are able to come back to your previously started application.

**If submitting a check, please fill out the online application, hit "Pay by check" and mail your check along with reference number to:**

**ABNN Recertification Program  
PO Box 88019  
Chicago, IL 60680-1019**

For applications received by the October 1<sup>st</sup> deadline, **notification of your recertification status will be sent to you by the first week in December 2025.** If are audited and it is found that you do not have the required number of CEs to recertify, you will be notified in time to earn more prior to December 31, 2025, however, will need to pay the additional fee for not having CE earned by the early-bird deadline. Applicants submitting their application after the October 1<sup>st</sup> deadline cannot be guaranteed notification of additional CE needed to be earned prior to December 31, 2025. Applications submitted after the early-bird deadline will be notified of their recertification status no later than February 28, 2026. A digital badge and printable certificate will be issued via email to applicants who meet all criteria and requirements specified herein within 4-6 weeks after their recertification application is marked complete.

If you need assistance completing the application or have questions about the status of your application, contact ABNN at the address above or call 888/557-2266 or 847/375-4733.

## Application Audits

Each year the ABNN randomly selects 10% of applications to be audited. Candidates will be notified by email within 30 days of submission if their application has been selected for audit. If your application is selected for audit you will be required to send the documentation for all CE activities, within 21 days of notice of your audit. Be prepared to submit/upload a photocopy of your RN licensure, have your supervisor attest to your work experience, and enter each of your CE/upload certificates and written documentation of other activities (e.g., table of contents of journal showing you as author of an article; school transcript, etc.). If a CE program you attended does not meet the definition of an approved program, submit a copy of the behavioral objectives and an outline of the content (e.g., a program brochure) in addition to a copy of the CE certificate. If you do not complete the audit, you will forfeit all fees and will no longer be considered certified.

## Denial of Application and Appeal

Approval of recertification will be denied if the applicant is deemed ineligible for continued certification, or if documentation does not meet the requirements listed. Falsification of the application is grounds for denial of recertification. Applicants denied recertification will be notified in writing of the specific reason.

In the event an application for recertification is denied, the decision can be appealed to the ABNN Appeals Committee. Should you wish to appeal the decision you must notify ABNN in writing at 1061 American Ln Suite 310, Schaumburg, IL 60173-4973, within 21 days of the postmarked date on the letter informing you of the denial.

Any applicant whose application for recertification is denied approval will automatically be sent information about how to appeal the decision, including the steps in the appeal process and additional information required.

Candidates with insufficient CE hours to recertify will not receive a refund. Candidates who are unsuccessful in recertifying by exam are not eligible for any fee refund.

## Additional Recertification Statuses

ABNN developed alternative statuses for candidates when it is time for their renewal below. Download a certification status [comparison chart](#) to determine which option is best for you.

### Inactive Status

ABNN developed the Inactive CNRN status to recognize CNRNs who temporarily do not meet eligibility requirements for recertification (whether it be practice hours or CE hours) and do not want to forfeit their credential. Inactive status is appropriate for those planning to meet the renewal eligibility requirements within a 3-year timeframe from their expiration date. Candidates may reactivate their certification anytime during the 3-year Inactive status period, once the established renewal eligibility requirements are met. At the time of renewal, continuing education credits and other requirements must meet the time frame as defined at the time of renewal (i.e. within 5 years of submitting the renewal application). Read more about eligibility and download an application on the [ABNN Website](#).

### Alumnus Status

ABNN developed the Alumnus CNRN status to recognize CNRNs who no longer meet eligibility for active certification (i.e. no longer working directly or indirectly in neuroscience nursing), but are still in the nursing profession (in some capacity) and wish to remain connected with the credential. Read more about eligibility and download an application on the [ABNN Website](#).

### Retired Status

ABNN developed the CNRN-Retired status to recognize CNRNs who have retired from their professional nursing career but wish to maintain their credentials. Read more about eligibility and download an application on the [ABNN Website](#).



# ABNN CNRN Exam Content Outline

(Based on 2024 Job Analysis Study)

## Detailed Content Outline

- I. **Anatomy, Physiology, Pathophysiology, and Diagnosis** (91 items)
  - A. Trauma
    1. Traumatic Brain Injury
    2. Hematoma/Hemorrhage
    3. Spinal Cord Injury
    4. Skull and Spinal Fracture
  - B. Cerebrovascular
    1. Ischemic Stroke
    2. Hemorrhagic Stroke
    3. Transient Ischemic Attack
    4. Cerebral Venous Sinus Thrombosis
    5. Vascular Anomalies
    6. Anoxic Injury
    7. Stroke Mimics
  - C. Neuro-oncology
    1. Brain Tumors
    2. Spinal Cord Tumors
    3. Neuro-endocrine Disorders
  - D. Infection and Immune Complications
    1. Brain and Spinal Abscesses
    2. Meningitis
    3. Encephalitis
    4. Bell's Palsy/Cranial Nerve Palsy
    5. Neuromuscular Disorders (e.g., Myasthenia Gravis, Guillain Barre)
    6. Encephalopathies (e.g., toxic, metabolic, PRES)
    7. Neurodegenerative Disorders (e.g., Multiple Sclerosis, Demyelinating Polyneuropathy, Amyotrophic Lateral Sclerosis, Prion Disease)
  - E. Neurodevelopmental Conditions
    1. Cranial/Cerebral Defects (e.g., craniosynostosis, plagiocephaly, microcephaly, anencephaly)
    2. Chiari Malformation
    3. Hydrocephalus (e.g., congenital)
    4. Congenital Brain and Spinal Cord Structural Anomalies
  - F. Neurological Disorders
    1. Partial, Generalized, Status Epilepticus, Non-epileptic Seizures, Provoked Seizures
    2. Headaches/Migraines
    3. Hydrocephalus (e.g., communicating, non-communicating, normal pressure)
    4. Pseudotumor Cerebri/Idiopathic Intracranial Hypertension
    5. Dementia
    6. Movement Disorders
    7. Degenerative Spine Disease
    8. Peripheral Nerve Injury and Neuropathy

## II. Patient Management (76 items)

- A. Physiological Interventions
  - 1. Activity and Self-care
  - 2. Bowel and Bladder Management
  - 3. Nutrition
  - 4. Metabolic Management
  - 5. Pharmacological Management
  - 6. Neurological Assessment and Management
  - 7. Surgical/Procedural Treatment and Management
  - 8. Respiratory Monitoring and Airway Management
  - 9. Thermoregulation
  - 10. Cardiovascular Management
- B. Behavioral Interventions
  - 1. Patient Behavioral Factors and Management
  - 2. Psychosocial Considerations (e.g., Depression, Anxiety)
  - 3. Chemical Dependency
  - 4. Pain
  - 5. Coping and Self-Care Mechanisms and Resources
- C. Safety Interventions
  - 1. Neurological Status and Decline
  - 2. Delirium
  - 3. Abuse Recognition, Protection, and Support
  - 4. Environmental Safety Management (e.g., fall prevention, suicidal precaution, seizure precautions)
  - 5. Neuro-specific Infection Prevention
  - 6. Physical and Chemical Restraint

## III. Multidisciplinary Care (33 items)

- A. Quality of Life
  - 1. Comfort Promotion
  - 2. Support Systems
  - 3. Culture and Socioeconomic Considerations (including Social Determinants of Health)
  - 4. Rehabilitation and Continuation of Care
  - 5. Palliative Care
  - 6. Hospice/End of Life
  - 7. Organ Donation
- B. Health Care Management
  - 1. Education, Support, and Resources for Patient and Caregivers
  - 2. Multidisciplinary Collaboration, Quality Improvement, and Outcome Evaluation
  - 3. Scope of Practice, Professional Competence, and Delegation
  - 4. Ethics, Evidence-based Standards, and Regulations

## Secondary Classifications

- 1. Serve as a neuroscience resource to other nurses, disciplines, patients and caregivers.
- 2. Assess patient condition (i.e., injury, trauma, diagnosis) to identify appropriate type of care.

3. Collect and interpret patient medical history (including neurologic conditions).
4. Assess and identify patient with substance use disorders (e.g., alcohol/drug withdrawal, smoking cessation) to collaborate for treatment and resources.
5. Assess, monitor, intervene, and evaluate respiratory status and airway management.
6. Assess, monitor, intervene, and evaluate cardiovascular conditions and complications.
7. Select and perform the appropriate neurological assessments (including spinal assessment) given the current patient status.
8. Correlate neurologic assessment findings to appropriate interventions.
9. Anticipate changes/needs in care and treatment for the neurological patient.
10. Provide diagnosis-specific care and treatment for the neurological patient.
11. Assess for signs and symptoms of cerebral edema and provide appropriate nursing interventions.
12. Identify signs and symptoms of bleeding/hemorrhage and provide appropriate interventions.
13. Assess, monitor, intervene, and evaluate for optimal metabolic and physiologic status.
14. Assess, monitor, intervene, and evaluate thermoregulation.
15. Assess, monitor, and manage Cerebral Spinal Fluid (CSF) drainage devices.
16. Assess, monitor, and manage Intracranial Pressure (ICP).
17. Optimize cerebral and spinal cord perfusion.
18. Implement spinal precautions for those with spinal injuries.
19. Perform and provide guidance on neurological positioning, stabilization, immobilization, and movement.
20. Educate on and implement safety precautions for neuro-specific devices and drains.
21. Assess and manage seizure activity and provide appropriate interventions and precautions.
22. Educate on, calculate, quantify, administer, monitor, communicate, and document pharmacological interventions.
23. Administer, monitor, communicate, document, and educate on pain management including non-pharmacological interventions.
24. Provide pharmacologic and/or non-pharmacologic venous thromboembolism (VTE) prophylaxis.
25. Assess for fall risk and implement precautions.
26. Educate and intervene on environmental management and modifications.
27. Perform dysphagia and aspiration risk screening and refer to speech pathology as appropriate.
28. Assess, monitor, and collaborate to optimize patient nutritional status.
29. Manage nausea, vomiting, and bowel/bladder.
30. Assess and monitor for infection and implement infection prevention strategies.
31. Provide routine skin care, implement preventive measures, and educate on wound healing.
32. Provide education, identify complications, and implement safe practices for neuroscience procedures/surgery and post care.
33. Identify, manage, and support rehabilitation needs and goals (e.g., spasticity, cognition, psychosocial, dysphagia).
34. Provide nursing interventions to address activities of daily living (ADLs) (e.g., early mobilization, range of motion, elimination).
35. Promote sleep hygiene.
36. Assess for and manage delirium.
37. Provide education and guidance on physical/chemical restraints while prioritizing least restrictive modalities.
38. Provide a therapeutic, patient-centered environment to promote healing and accommodate patient deficits and/or needs.
39. Assess mental/emotional health of patient and identify any changes to provide holistic care and/or resources.
40. Coordinate holistic care using a multidisciplinary approach.
41. Provide culturally sensitive care to patient and caregivers.
42. Assess barriers and social determinants of health as it impacts care outcomes.
43. Provide patient-specific health education (e.g., disease process, procedures, treatment, risk factors, discharge plan) to patient and caregivers.
44. Engage patient/caregiver in care planning and/or goal setting.
45. Evaluate coping mechanisms and provide resources for patient/caregivers.
46. Provide education on primary, secondary, and tertiary prevention strategies and the importance of provider follow-up.
47. Provide safe transition of care (e.g., bedside handoff, interfacility, temporary transfer).
48. Support organ procurement team and optimize care for organ donation when applicable.

49. Provide ethical end of life considerations and care according to patient/family wishes.
50. Participate in evidence-based neuroscience quality improvement, research, education, and evaluation of outcomes.