



Neurovascular Registered Nurse Certification
(NVRN®)



Recertification
Handbook and Application

Recertification by Continuing Education

*Applications must be *received* at the ANVC Office by 5:00 pm Central Time on day of deadline

*Please email application form and all accompanying materials to Executive Director, Mike Mulally: info@anvc.org

Application forms must be typed

Association of Neurovascular Clinicians Recertification Program



Duration of Certification

- NVRN® certification is recognized for a period of five (5) years. NVRN® certification expires on January 1st of the 5th complete year of certification.
- To renew certification, the certificant may either apply to retake the certification exam or submit documentation of attainment of 100 hours of continuing education in neurovascular clinical practice.
- ANVC will notify candidates at least 4 months before the end of their certification period to provide time to organize recertification materials or study time to retake the examination.
- Ultimately, the responsibility to complete the recertification process is held solely by the certificant.

Recertification: Eligibility and Options

- Currently holds NVRN certification
- Current licensure as a registered nurse in country of origin, **AND EITHER:**

OPTION 1: Recertification by Examination

- Minimum of 1,000 neurovascular nursing practice hours in the past 5 years **AND** successful completion of the NVRN board certification examination; * or,

OPTION 2: Recertification by Continuing Education

- Minimum of 1,000 neurovascular nursing practice hours in the past 5 years **AND** evidence of completion of a minimum of 100 hours of continuing education pertinent to neurovascular nursing.

*Note: Certificants that select Option 1 are to complete an application for NVRN examination form (www.anvc.org) and submit it via the same methods used for first-time certificants; no other application forms are necessary. Please note that Option 1 certificants that fail the NVRN exam are ineligible for recertification by continuing education (Option 2).

Neurovascular Related Practice Hours

Neurovascular practice hours may be earned through clinical practice, clinical consultation, the conduct of research, provision of administration/leadership within the clinical practice arena, and/or provision of clinical nursing education pertinent to the field of neurovascular healthcare.

Option 2: Recertification by Continuing Education Credit

Submission of 100 hours of Continuing Education (CE) Credit Hours

- Certificants selecting Option 2 must submit their continuing education (CE) credit hours to ANVC using the forms included in this guidebook.
- Submission of actual CE certificates is not necessary UNLESS the certificant is randomly selected for audit.
 - Certificants selecting Option 2 will be notified of their selection for CE credit audit within 30 days of ANVC's receipt of the completed recertification application. If selected for audit, certificants will be required to submit evidence of their attainment of 100 CE hours by submitting course certificates and/or college transcripts showing earned credits in CE related to neurovascular nursing.
- Option 2 CE hours may be earned in any of the following categories; however, all applicants are required to obtain a minimum of 30 category 1 hours for recertification.

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs or care of the neurovascular patient. One CEE Hour is equal to one CE hour.

Continuing Education Categories

Category 1: Approved CE and Academic Course Hours

- Minimum of 30 hours REQUIRED for Option 2
- Category 1 hours include approved CE offerings related to the delivery of neurovascular nursing care provided by an organization authorized to grant continuing education credits.
- Courses taken for college credit that support the delivery of neurovascular clinical practice may also be included as evidence of continuing education with total hours (total hours = number of credit hours X numbers of semester weeks) as listed in the course syllabus reported towards the required 100 hours.

Categories 2-6: Other Acceptable Categories for CE Credit

- Category 2-5 activities must clearly reflect application or dissemination of knowledge that supports excellence in neurovascular nursing practice. Items that are not clearly related to neurovascular nursing practice or the business of a neurovascular program will not be accepted to support recertification. The categories are as follows:

Category 2: Neurovascular Process Improvement.

- Completion of a Program or Project that aimed to improve the quality of neurovascular clinical practice
- Includes process improvement (PI) project implementation and participation within the umbrella of the neurovascular program
- Maximum of 20 hours granted; must include project description, methods, and outcomes, along with supervisor verification of project completion.

Category 3: Professionalism.

- Participation on the board or committee of a professional practice organization that focuses solely on neurovascular programs, such as the ANVC, the Australian Stroke Nursing Education Network (ASNEN), SmartStrokes, the UK Stroke Forum, the Stroke Society of Australasia, or the American Stroke Association; organizations with a broader interest in neurosciences are not allowable for this category of credit; verification of the applicants contribution by organizational leadership is required.
- Maximum of 10 hours granted

Category 4: Neurovascular Research.

- Evidence of participation in Neurovascular Research
- Maximum of 20 hours granted; must include the IRB approval letter indicating your name as an affiliated researcher, along with a description of the study methods and findings

Category 5: Neurovascular Education.

- Provision of Formal Education on some aspect of neurovascular patient care
- May include authoring of presentation or creation of staff and patient education materials without presenting
- Maximum 30 hours granted; must include course title(s) and date/time taught, with supervisor verification of work activities or a brochure, flyer or letter of acceptance/acknowledgement related to a conference offering

Category 6: Published Literature

- Evidence of Published Scientific Paper(s) related to neurovascular patient care in a professional journal
- Maximum of 30 hours/publication; must include full journal citation. Can include professionally authored research articles, poster presentations with abstract, chapters in books, peer reviewed journal articles, and related professional publications.



Summary of Recertification Expectations:

- Minimum of 1,000 neurovascular related practice hours in the past 5 years **AND** evidence of completion of a minimum of 100 hours of continuing education pertinent to neurovascular nursing related clinical practice.

Neurovascular Related Practice Hours	1,000 hours over the past 5 years	
CE and CE Equivalent Hours	Overall required CE Hours and/or CEE Hours combined = 100 hours	
Category 1: CE and Academic Course Hours	CE Hours Required: <u>Minimum</u> of 30 CE Hours	CE Hours related to topics that support the delivery of neurovascular nursing practice
Category 2: Neurovascular Patient Care Process Improvement	CEE Hours: Maximum of 20 hours	Includes PI project implementation and participation within the umbrella of the neurovascular program
Category 3: Professionalism	Maximum of 10 hours	Participation on the board or committee of a professional practice organization related to your role in a neurovascular program
Category 4: Neurovascular Research	Maximum of 20 hours	Participation in neurovascular research; may include work done on scientific presentations
Category 5: Neurovascular Education	Maximum of 30 hours	Include creation and/or presentation of education
Category 6: Published Literature	Maximum of 30 hours	Research articles, abstracts, poster presentations, book chapters, journal articles, and professional publications.

Category 1: CE and Academic Course Hours

Minimum of 30 hours required

- Calculation of Academic course hours related to topics that support the delivery of neurovascular clinical practice:

total hours = number of credit hours X number of semester weeks

- One CME equals 1 CE hour

Category 1 hours include approved CE offerings related to the delivery of neurovascular patient care provided by an organization authorized to grant continuing education credit such as, but not limited to:

- American Academy of Neurology (AAN)
- American Association of Critical-Care Nurses
- American Medical Association
- American Nurses Credentialing Center
- American Heart Association/
American Stroke Association
- Association of Neurovascular Clinicians
- American Society of Neuroimaging
- Emergency Nurses Association
- National Association of Rehabilitation Providers and Agencies
- Society of Critical Care Medicine
- Society of Vascular and Interventional Neurology (SVIN)

*Note: Attendance certificates for the ESOC, SmartStrokes, ASNEN, UKSF, or SSA are included

Related topics include but are not limited to:

- Anatomy/Physiology
- Assessment
- Catheterization Laboratory procedures and training
- Discharge planning
- Emergency Department protocols
- Emergency Medical Technician training or protocols
- Health promotion and disease prevention
- Hemodynamics
- Interventions
- Medical coding
- Mental health
- Neuro Critical Care
- Neurointerventions
- Neurosurgery
- Nutritional support
- Plan of care
- Policy and legislation
- Post-operative Recovery Room processes and protocols
- Research
- Secondary prevention
- Standards of practice
- Stroke rehabilitation
- Technology
- Imaging modalities and interpretation

Category 2: Neurovascular Patient Care Process Improvement (PI)

Maximum of 20 hours

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs or care of the neurovascular patient. One CEE Hour is equal to one CE hour.

Category 2 hours include PI project implementation and participation within the umbrella of the neurovascular program:

- Completion of a *Program or Project* that aimed to improve the quality of neurovascular clinical practice
- Must include project description including methods and outcomes, along with supervisor verification of project completion

Development of a QI project including action items = 5 CEE Hours per project

Development and implementation of an audit tool = 5 CEE Hours

Data abstraction and reporting = 5 CEE Hours per project

Work group for QI project = 1 CEE per hour

Category 3: Professionalism

Maximum of 10 hours

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs. One CEE Hour is equal to one CE hour.

Category 3 hours include participation on the board or committee of a professional practice organization or committee related to neurovascular programs. Requires verification from the organizational lead.

- 1 year of service = 5 CEE Hours

Participation in professional practice organization focused solely on neurovascular programs; contribution to the organization must be significant such as service on an editorial board or as an article reviewer for a neurovascular journal, service on the Board of Directors or a Committee of the Board.

Organizations can include any of the following:

- Hospital or County Emergency Medical Services Stroke Committee
- American Heart Association/American Stroke Association
- Association of Neurovascular Clinicians (ANVC)
- American Society of Neuroimaging
- Australian Stroke Nursing Education Network (ASNEN)
- European Stroke Organisation
- MT 2020
- SmartStrokes Conference Organising Committee
- Society of Neurointerventional Surgery (SNIS)
- Society of Vascular and Interventional Neurology (SVIN)
- Stroke Society of Australasia
- UK Stroke Forum

*Note: Other neurovascular-specific organizations will be considered based on their organizational mission.

Category 4: Neurovascular Research

Maximum of 20 hours

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs. One CEE Hour is equal to one CE hour.

Category 4 hours participation in neurovascular research; may include work done on original scientific presentations

- Must include the IRB approval letter indicating your name as an affiliated researcher, along with a description of the study methods and findings
- Research design, implementation, data collection, data analyses per project = 5 CEE Hours per year

Research may include:

- Grant writing and submission
- Clinical research
- Research as part of an Academic Master's or Doctorate Program = 15 CEE Hours
- Other research as related to neurovascular patient care or neurosciences

Category 5: Neurovascular Education

Maximum of 30 hours

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs or care of the neurovascular patient. One CEE Hour is equal to one CE hour.

Category 5 hours include creation and presentation of education. May include both patient education and staff education.

- Preparation of and presentation of one-hour lecture = 5 CEE Hours
- Preparation and creation of patient education pamphlet or similar = 5 CEE Hours per project

Neurovascular education may include but is not limited to:

- Academic teaching (total hours = number of credit hours X numbers of semester weeks)
- Community neurovascular education presentations including support groups
- Creation of patient education material
- Poster presentations
- Precepting a new staff member on a neurovascular unit (2 CEE Hours per day)
- Presentations at conferences or symposiums
- Staff presentations including in-services

Category 6: Published Literature

Maximum of 30 hours

Continuing Education Equivalent Hours (CEE Hours)

- Continuing Education Equivalent (CEE) Hours are activities related to neurovascular programs or care of the neurovascular patient. One CEE Hour is equal to one CE hour.

Category 6 hours include published neurovascular related research articles, abstracts, poster presentations, book chapters, journal articles, and other professional publications. Must include full journal citation.

Original poster presentation with abstract, chapter of book, or similar = 5 CEE Hours per publication

Original research publication in peer reviewed scholarly journal = 15 CEE Hours

Publications may include but are not limited to:

- Publication in a scholarly journal including editorials
- Poster presentation or other abstract
- Peer reviewed research
- Book chapter
- Research article