



**Accreditation Council for
Graduate Medical Education**

**ACGME Program Requirements for
Graduate Medical Education
in Neurology**

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ACGME Program Requirements for Graduate Medical Education in Neurology

Common Program Requirements are in BOLD

Introduction

Int.A. Residency is an essential dimension of the transformation of the medical student to the independent practitioner along the continuum of medical education. It is physically, emotionally, and intellectually demanding, and requires longitudinally-concentrated effort on the part of the resident.

The specialty education of physicians to practice independently is experiential, and necessarily occurs within the context of the health care delivery system. Developing the skills, knowledge, and attitudes leading to proficiency in all the domains of clinical competency requires the resident physician to assume personal responsibility for the care of individual patients. For the resident, the essential learning activity is interaction with patients under the guidance and supervision of faculty members who give value, context, and meaning to those interactions. As residents gain experience and demonstrate growth in their ability to care for patients, they assume roles that permit them to exercise those skills with greater independence. This concept--graded and progressive responsibility--is one of the core tenets of American graduate medical education. Supervision in the setting of graduate medical education has the goals of assuring the provision of safe and effective care to the individual patient; assuring each resident's development of the skills, knowledge, and attitudes required to enter the unsupervised practice of medicine; and establishing a foundation for continued professional growth.

Int.B. Duration and Scope of Education

Int.B.1. The purpose of the education program is to prepare the physician for the independent practice of clinical neurology. ^(Core)

Int.B.2. A complete neurology residency requires 48 months of education. Approved residencies in neurology must provide at least 36 months of this education. ^(Core)

The program meeting these requirements may be of two types:

Int.B.2.a) Programs that provide four years of residency education including a broad clinical experience in general internal medicine, or ^(Core)

Int.B.2.b) Programs that provide three years of residency education where all the residents will have had an initial first year of graduate education accredited by the ACGME or the Royal College of Physicians and Surgeons of Canada that includes a broad clinical experience in general internal medicine. ^(Core)

I. Institutions

I.A. Sponsoring Institution

One sponsoring institution must assume ultimate responsibility for the program, as described in the Institutional Requirements, and this responsibility extends to resident assignments at all participating sites. ^(Core)

The sponsoring institution and the program must ensure that the program director has sufficient protected time and financial support for his or her educational and administrative responsibilities to the program. ^(Core)

I.A.1. At a minimum the sponsoring institution must provide time and funding to support at least 20% FTE and should provide an additional 1% per trainee. ^(Detail)

I.A.2. The sponsoring institution must provide adequate time and funding for a program coordinator who will assist the program director in the administration of the program. ^(Core)

I.B. Participating Sites

I.B.1. There must be a program letter of agreement (PLA) between the program and each participating site providing a required assignment. The PLA must be renewed at least every five years. ^(Core)

The PLA should:

I.B.1.a) identify the faculty who will assume both educational and supervisory responsibilities for residents; ^(Detail)

I.B.1.b) specify their responsibilities for teaching, supervision, and formal evaluation of residents, as specified later in this document; ^(Detail)

I.B.1.c) specify the duration and content of the educational experience; and, ^(Detail)

I.B.1.d) state the policies and procedures that will govern resident education during the assignment. ^(Detail)

I.B.2. The program director must submit any additions or deletions of participating sites routinely providing an educational experience, required for all residents, of one month full time equivalent (FTE) or more through the Accreditation Council for Graduate Medical Education (ACGME) Accreditation Data System (ADS). ^(Core)

I.B.2.a) Participation by any sites providing six months or more of required education in a program of three or more years must be approved by the Review Committee before residents rotate to those sites. ^(Detail)

II. Program Personnel and Resources

II.A. Program Director

II.A.1. There must be a single program director with authority and accountability for the operation of the program. The sponsoring institution's GMEC must approve a change in program director. ^(Core)

II.A.1.a) The program director must submit this change to the ACGME via the ADS. ^(Core)

II.A.1.b) The program director must be a member of the staff of the sponsoring institution. ^(Detail)

II.A.1.c) The program director should attend one national program director meeting per year. ^(Detail)

II.A.2. The program director should continue in his or her position for a length of time adequate to maintain continuity of leadership and program stability. ^(Detail)

II.A.3. Qualifications of the program director must include:

II.A.3.a) requisite specialty expertise and documented educational and administrative experience acceptable to the Review Committee; ^(Core)

II.A.3.b) current certification in the specialty by the American Board of Psychiatry and Neurology (ABPN), or specialty qualifications that are acceptable to the Review Committee; and, ^(Core)

II.A.3.c) current medical licensure and appropriate medical staff appointment. ^(Core)

II.A.4. The program director must administer and maintain an educational environment conducive to educating the residents in each of the ACGME competency areas. ^(Core)

The program director must:

II.A.4.a) oversee and ensure the quality of didactic and clinical education in all sites that participate in the program; ^(Core)

II.A.4.b) approve a local director at each participating site who is accountable for resident education; ^(Core)

II.A.4.c) approve the selection of program faculty as appropriate; ^(Core)

II.A.4.d) evaluate program faculty; ^(Core)

II.A.4.e) approve the continued participation of program faculty based

- on evaluation;** ^(Core)
- II.A.4.f) monitor resident supervision at all participating sites;** ^(Core)
- II.A.4.g) prepare and submit all information required and requested by the ACGME.** ^(Core)
- II.A.4.g).(1) This includes but is not limited to the program application forms and annual program updates to the ADS, and ensure that the information submitted is accurate and complete.** ^(Core)
- II.A.4.h) ensure compliance with grievance and due process procedures as set forth in the Institutional Requirements and implemented by the sponsoring institution;** ^(Detail)
- II.A.4.i) provide verification of residency education for all residents, including those who leave the program prior to completion;** ^(Detail)
- II.A.4.j) implement policies and procedures consistent with the institutional and program requirements for resident duty hours and the working environment, including moonlighting,** ^(Core)
- and, to that end, must:**
- II.A.4.j).(1) distribute these policies and procedures to the residents and faculty;** ^(Detail)
- II.A.4.j).(2) monitor resident duty hours, according to sponsoring institutional policies, with a frequency sufficient to ensure compliance with ACGME requirements;** ^(Core)
- II.A.4.j).(3) adjust schedules as necessary to mitigate excessive service demands and/or fatigue; and,** ^(Detail)
- II.A.4.j).(4) if applicable, monitor the demands of at-home call and adjust schedules as necessary to mitigate excessive service demands and/or fatigue.** ^(Detail)
- II.A.4.k) monitor the need for and ensure the provision of back up support systems when patient care responsibilities are unusually difficult or prolonged;** ^(Detail)
- II.A.4.l) comply with the sponsoring institution's written policies and procedures, including those specified in the Institutional Requirements, for selection, evaluation and promotion of residents, disciplinary action, and supervision of residents;** ^(Detail)

- II.A.4.m) be familiar with and comply with ACGME and Review Committee policies and procedures as outlined in the ACGME Manual of Policies and Procedures;** ^(Detail)
- II.A.4.n) obtain review and approval of the sponsoring institution's GMCEC/DIO before submitting information or requests to the ACGME, including:** ^(Core)
- II.A.4.n).(1) all applications for ACGME accreditation of new programs;** ^(Detail)
- II.A.4.n).(2) changes in resident complement;** ^(Detail)
- II.A.4.n).(3) major changes in program structure or length of training;** ^(Detail)
- II.A.4.n).(4) progress reports requested by the Review Committee;** ^(Detail)
- II.A.4.n).(5) requests for increases or any change to resident duty hours;** ^(Detail)
- II.A.4.n).(6) voluntary withdrawals of ACGME-accredited programs;** ^(Detail)
- II.A.4.n).(7) requests for appeal of an adverse action; and,** ^(Detail)
- II.A.4.n).(8) appeal presentations to a Board of Appeal or the ACGME.** ^(Detail)
- II.A.4.o) obtain DIO review and co-signature on all program application forms, as well as any correspondence or document submitted to the ACGME that addresses:** ^(Detail)
- II.A.4.o).(1) program citations, and/or,** ^(Detail)
- II.A.4.o).(2) request for changes in the program that would have significant impact, including financial, on the program or institution.** ^(Detail)
- II.A.4.p) monitor resident stress, including mental or emotional conditions inhibiting performance of learning, and drug- or alcohol-related dysfunction. Situations that demand excessive service or that consistently produce undesirable stress on residents must be recognized and resolved;** ^(Detail)
- II.A.4.q) with assistance from the faculty, develop and implement the academic and clinical program of resident education by:**
- II.A.4.q).(1) preparing and implementing a comprehensive, well-organized, and effective curriculum, both academic and**

clinical, which includes the presentation of core specialty knowledge supplemented by the addition of current information, and ^(Core)

II.A.4.q).(2) providing residents with direct experience in progressive responsibility for patient management. ^(Core)

II.B. Faculty

II.B.1. At each participating site, there must be a sufficient number of faculty with documented qualifications to instruct and supervise all residents at that location. ^(Core)

The faculty must:

II.B.1.a) devote sufficient time to the educational program to fulfill their supervisory and teaching responsibilities; and to demonstrate a strong interest in the education of residents; ^(Core)

II.B.1.b) administer and maintain an educational environment conducive to educating residents in each of the ACGME competency areas; and, ^(Core)

II.B.1.c) include a program director, a child neurologist, and a minimum of four full-time neurology faculty who provide clinical service and teaching and who devote sufficient time to the program to ensure basic and clinical education for residents. ^(Core)

II.B.1.c).(1) A faculty to resident ratio of 1:1 must be maintained. The program director may be counted as one of the faculty in determining the ratio. ^(Detail)

II.B.2. The physician faculty must have current certification in the specialty by the American Board of Psychiatry and Neurology, or possess qualifications judged acceptable to the Review Committee. ^(Core)

II.B.2.a) All faculty teaching in the subspecialties of neurology should have certification in neurology and a subspecialty. ^(Core)

II.B.2.b) Faculty must have diverse interests and skills in an appropriate range of teaching and research. ^(Detail)

II.B.2.c) Faculty must ensure adequate clinical opportunities for residents and provide continued instruction through seminars, conferences, and teaching rounds. ^(Core)

II.B.2.d) Faculty with special expertise in all the disciplines related to neurology, including neuro-ophthalmology, neuromuscular disease, cerebrovascular disease, epilepsy, movement disorders, critical care, clinical neurophysiology, behavioral neurology,

neuroimmunology, infectious disease, neuro-otology, neuroimaging, neuro-oncology, pain management, neurogenetics, child neurology, the neurology of aging, sleep disorders, and psychiatry must be available on a regular basis to neurology residents. Consultants should be available to residents. ^(Detail)

- II.B.2.e) The faculty must demonstrate competence in both clinical care and teaching abilities. ^(Detail)
- II.B.3. The physician faculty must possess current medical licensure and appropriate medical staff appointment.** ^(Core)
- II.B.4. The nonphysician faculty must have appropriate qualifications in their field and hold appropriate institutional appointments.** ^(Core)
- II.B.5. The faculty must establish and maintain an environment of inquiry and scholarship with an active research component.** ^(Core)
- II.B.5.a) The faculty must regularly participate in organized clinical discussions, rounds, journal clubs, and conferences.** ^(Detail)
- II.B.5.b) Some members of the faculty should also demonstrate scholarship by one or more of the following:**
- II.B.5.b).(1) peer-reviewed funding;** ^(Detail)
- II.B.5.b).(2) publication of original research or review articles in peer-reviewed journals, or chapters in textbooks;** ^(Detail)
- II.B.5.b).(3) publication or presentation of case reports or clinical series at local, regional, or national professional and scientific society meetings; or,** ^(Detail)
- II.B.5.b).(4) participation in national committees or educational organizations.** ^(Detail)
- II.B.5.c) Faculty should encourage and support residents in scholarly activities.** ^(Core)
- II.C. Other Program Personnel**
- The institution and the program must jointly ensure the availability of all necessary professional, technical, and clerical personnel for the effective administration of the program. ^(Core)
- II.D. Resources**
- The institution and the program must jointly ensure the availability of adequate resources for resident education, as defined in the specialty program requirements. ^(Core)

II.D.1. The patient population available to neurology residents must reflect the full spectrum of neurological disorders across the lifespan, including patients seen in multiple settings including outpatient, inpatient, emergency, and intensive care. ^(Core)

II.D.2. Facilities

II.D.2.a) In the program, there must be adequate inpatient and outpatient facilities, examining areas, conference rooms, research laboratories, and office space for faculty and residents. ^(Core)

II.D.2.b) There must be adequate diagnostic resources and related diagnostic therapeutic services. ^(Core)

II.E. Medical Information Access

Residents must have ready access to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities should be available.

^(Detail)

III. Resident Appointments

III.A. Eligibility Criteria

The program director must comply with the criteria for resident eligibility as specified in the Institutional Requirements. ^(Core)

III.A.1. Eligibility Requirements – Residency Programs

III.A.1.a) **All prerequisite post-graduate clinical education required for initial entry or transfer into ACGME-accredited residency programs must be completed in ACGME-accredited residency programs, or in Royal College of Physicians and Surgeons of Canada (RCPSC)-accredited or College of Family Physicians of Canada (CFPC)-accredited residency programs located in Canada. Residency programs must receive verification of each applicant's level of competency in the required clinical field using ACGME or CanMEDS Milestones assessments from the prior training program.** ^(Core)

III.A.1.b) **A physician who has completed a residency program that was not accredited by ACGME, RCPSC, or CFPC may enter an ACGME-accredited residency program in the same specialty at the PGY-1 level and, at the discretion of the program director at the ACGME-accredited program may be advanced to the PGY-2 level based on ACGME Milestones assessments at the ACGME-accredited program. This provision applies only to entry into residency in those specialties for which an initial clinical year is not required for entry.** ^(Core)

III.A.1.c) A Review Committee may grant the exception to the eligibility requirements specified in Section III.A.2.b) for residency programs that require completion of a prerequisite residency program prior to admission. ^(Core)

III.A.1.d) Review Committees will grant no other exceptions to these eligibility requirements for residency education. ^(Core)

III.A.2. Eligibility Requirements – Fellowship Programs

All required clinical education for entry into ACGME-accredited fellowship programs must be completed in an ACGME-accredited residency program, or in an RCPSC-accredited or CFPC- accredited residency program located in Canada. ^(Core)

III.A.2.a) Fellowship programs must receive verification of each entering fellow’s level of competency in the required field using ACGME or CanMEDS Milestones assessments from the core residency program. ^(Core)

III.A.2.b) Fellow Eligibility Exception

A Review Committee may grant the following exception to the fellowship eligibility requirements:

An ACGME-accredited fellowship program may accept an exceptionally qualified applicant, who does not satisfy the eligibility requirements listed in Sections III.A.2. and III.A.2.a), but who does meet all of the following additional qualifications and conditions: ^(Core)**

III.A.2.b).(1) Assessment by the program director and fellowship selection committee of the applicant’s suitability to enter the program, based on prior training and review of the summative evaluations of training in the core specialty; and ^(Core)

III.A.2.b).(2) Review and approval of the applicant’s exceptional qualifications by the GMEC or a subcommittee of the GMEC; and ^(Core)

III.A.2.b).(3) Satisfactory completion of the United States Medical Licensing Examination (USMLE) Steps 1, 2, and, if the applicant is eligible, 3, and; ^(Core)

III.A.2.b).(4) For an international graduate, verification of Educational Commission for Foreign Medical Graduates (ECFMG) certification; and, ^(Core)

III.A.2.b).(5) Applicants accepted by this exception must complete fellowship Milestones evaluation (for the purposes of establishment of baseline performance by the Clinical Competency Committee), conducted by the receiving fellowship program within six weeks of matriculation. This evaluation may be waived for an applicant who has completed an ACGME International-accredited residency based on the applicant's Milestones evaluation conducted at the conclusion of the residency program. ^(Core)

III.A.2.b).(5).(a) If the trainee does not meet the expected level of Milestones competency following entry into the fellowship program, the trainee must undergo a period of remediation, overseen by the Clinical Competency Committee and monitored by the GMEC or a subcommittee of the GMEC. This period of remediation must not count toward time in fellowship training. ^(Core)

**** An exceptionally qualified applicant has (1) completed a non-ACGME-accredited residency program in the core specialty, and (2) demonstrated clinical excellence, in comparison to peers, throughout training. Additional evidence of exceptional qualifications is required, which may include one of the following: (a) participation in additional clinical or research training in the specialty or subspecialty; (b) demonstrated scholarship in the specialty or subspecialty; (c) demonstrated leadership during or after residency training; (d) completion of an ACGME-International-accredited residency program.**

III.B. Number of Residents

The program's educational resources must be adequate to support the number of residents appointed to the program. ^(Core)

III.B.1. The program director may not appoint more residents than approved by the Review Committee, unless otherwise stated in the specialty-specific requirements. ^(Core)

III.C. Resident Transfers

III.C.1. Before accepting a resident who is transferring from another program, the program director must obtain written or electronic verification of previous educational experiences and a summative competency-based performance evaluation of the transferring resident. ^(Detail)

III.C.1.a) The program director must also obtain a written or electronic summative competency-based performance evaluation of the

PGY-1 year for residents entering the program as PGY-2 and who completed their PGY-1 year in a different program in either the same or different sponsoring institution. ^(Core)

III.C.2. A program director must provide timely verification of residency education and summative performance evaluations for residents who may leave the program prior to completion. ^(Detail)

III.D. Appointment of Fellows and Other Learners

The presence of other learners (including, but not limited to, residents from other specialties, subspecialty fellows, PhD students, and nurse practitioners) in the program must not interfere with the appointed residents' education. ^(Core)

III.D.1. The program director must report the presence of other learners to the DIO and GMEC in accordance with sponsoring institution guidelines. ^(Detail)

IV. Educational Program

IV.A. The curriculum must contain the following educational components:

IV.A.1. Overall educational goals for the program, which the program must make available to residents and faculty; ^(Core)

IV.A.1.a) Resident education must be based on supervised clinical work with increasing responsibility for outpatients and inpatients. It must have a foundation of organized instruction in the basic neurosciences. ^(Core)

IV.A.2. Competency-based goals and objectives for each assignment at each educational level, which the program must distribute to residents and faculty at least annually, in either written or electronic form; ^(Core)

IV.A.2.a) The goals and objectives for clinical rotations must reflect the increasing levels of responsibility and maturation as residents advance through the program from year to year. ^(Core)

IV.A.3. Regularly scheduled didactic sessions; ^(Core)

IV.A.3.a) Residents must attend required seminars, conferences, and journal clubs. ^(Core)

IV.A.3.b) Seminars and conferences must include the full spectrum of neurological disorders across the lifespan. ^(Detail)

IV.A.3.c) The basic science curriculum on which clinical neurology is founded must include the scientific foundations on which clinical neurology is based. ^(Detail)

IV.A.3.d) Residents must attend one national professional conference during their three years of residency. ^(Detail)

IV.A.4. Delineation of resident responsibilities for patient care, progressive responsibility for patient management, and supervision of residents over the continuum of the program; and, ^(Core)

IV.A.5. ACGME Competencies

The program must integrate the following ACGME competencies into the curriculum: ^(Core)

IV.A.5.a) Patient Care and Procedural Skills

IV.A.5.a).(1) Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. ^(Outcome)

IV.A.5.a).(2) Residents must be able to competently perform all medical, diagnostic, and surgical procedures considered essential for the area of practice. Residents: ^(Outcome)

IV.A.5.a).(2).(a) must demonstrate competency in the management of outpatients and inpatients with neurological disorders across the lifespan including those who require emergency and intensive care. ^(Outcome)

IV.A.5.b) Medical Knowledge

Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. Residents: ^(Outcome)

IV.A.5.b).(1) must demonstrate understanding about major developments in the clinical sciences relating to neurology; ^(Outcome)

IV.A.5.b).(2) must demonstrate understanding of the basic sciences through application of this knowledge in the care of their patients and by passing clinical skills examinations; and, ^(Outcome)

IV.A.5.b).(3) must demonstrate knowledge of:

IV.A.5.b).(3).(a) Bioethics; ^(Outcome)

IV.A.5.b).(3).(b) cost-effective care; ^(Outcome)

IV.A.5.b).(3).(c) palliative care, including adequate pain relief as well as psychosocial support and counseling for patients and families; and, (Outcome)

IV.A.5.b).(3).(d) the principles of psychopathology, psychiatric diagnosis, and therapy and the indications for and complications of drugs used in psychiatry. (Outcome)

IV.A.5.c) Practice-based Learning and Improvement

Residents must demonstrate the 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. (Outcome)

Residents are expected to develop skills and habits to be able to meet the following goals:

IV.A.5.c).(1) identify strengths, deficiencies, and limits in one's knowledge and expertise; (Outcome)

IV.A.5.c).(2) set learning and improvement goals; (Outcome)

IV.A.5.c).(3) identify and perform appropriate learning activities; (Outcome)

IV.A.5.c).(4) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement; (Outcome)

IV.A.5.c).(5) incorporate formative evaluation feedback into daily practice; (Outcome)

IV.A.5.c).(6) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems; (Outcome)

IV.A.5.c).(7) use information technology to optimize learning; (Outcome)

IV.A.5.c).(8) participate in the education of patients, families, students, residents and other health professionals; and, (Outcome)

IV.A.5.c).(9) supervise other residents, medical students, nurses, and other health care personnel. (Outcome)

IV.A.5.d) Interpersonal and Communication Skills

Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals. ^(Outcome)

Residents are expected to:

- IV.A.5.d).(1)** **communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;** ^(Outcome)
- IV.A.5.d).(2)** **communicate effectively with physicians, other health professionals, and health related agencies;** ^(Outcome)
- IV.A.5.d).(3)** **work effectively as a member or leader of a health care team or other professional group;** ^(Outcome)
- IV.A.5.d).(4)** **act in a consultative role to other physicians and health professionals; and,** ^(Outcome)
- IV.A.5.d).(5)** **maintain comprehensive, timely, and legible medical records, if applicable.** ^(Outcome)

IV.A.5.e)

Professionalism

Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. ^(Outcome)

Residents are expected to demonstrate:

- IV.A.5.e).(1)** **compassion, integrity, and respect for others;** ^(Outcome)
- IV.A.5.e).(2)** **responsiveness to patient needs that supersedes self-interest;** ^(Outcome)
- IV.A.5.e).(3)** **respect for patient privacy and autonomy;** ^(Outcome)
- IV.A.5.e).(4)** **accountability to patients, society and the profession; and,** ^(Outcome)
- IV.A.5.e).(5)** **sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.** ^(Outcome)

IV.A.5.f)

Systems-based Practice

Residents must 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.
(Outcome)

Residents are expected to:

- IV.A.5.f).(1)** **work effectively in various health care delivery settings and systems relevant to their clinical specialty;** (Outcome)
- IV.A.5.f).(2)** **coordinate patient care within the health care system relevant to their clinical specialty;** (Outcome)
- IV.A.5.f).(3)** **incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;** (Outcome)
- IV.A.5.f).(4)** **advocate for quality patient care and optimal patient care systems;** (Outcome)
- IV.A.5.f).(5)** **work in interprofessional teams to enhance patient safety and improve patient care quality; and,** (Outcome)
- IV.A.5.f).(6)** **participate in identifying system errors and implementing potential systems solutions.** (Outcome)

IV.A.6. Curriculum Organization and Resident Experiences

- IV.A.6.a) Residents must have a combination of patient care, teaching, and research in their education program. Patient care responsibilities must include inpatient, outpatient, and consultation experiences. (Core)
- IV.A.6.b) Residents must have of broad clinical experience in general internal medicine either during the first year of a 48-month program or a year of graduate education accredited by the ACGME or the Royal College of Physicians and Surgeons of Canada prior to entering a 36-month program. (Core)
 - IV.A.6.b).(1) This year must include at least one of the following:
 - IV.A.6.b).(1).(a) eight months in internal medicine with primary responsibility in patient care, or (Core)
 - IV.A.6.b).(1).(b) six months in internal medicine with primary responsibility in patient care and a period of at least two months' time comprising one or more months of pediatrics, emergency medicine, internal medicine, or family medicine. (Core)
 - IV.A.6.b).(2) Residents may spend up to four months in neurology during this year. (Detail)

- IV.A.6.c) Residents must have:
- IV.A.6.c).(1) a minimum of 18 months (full-time equivalent) of clinical adult neurology. ^(Core)
- IV.A.6.c).(1).(a) This must include at least six months of inpatient experience in adult neurology, and ^(Detail)
- IV.A.6.c).(1).(b) At least six months (full-time equivalent) of outpatient experience in clinical adult neurology. The outpatient experience must include a resident longitudinal/continuity clinic with attendance by each resident half day weekly throughout the program. ^(Core)
- IV.A.6.c).(2) a minimum of three months of elective time. ^(Detail)
- IV.A.6.c).(3) a minimum of three months FTE in clinical child neurology with management responsibility under the supervision of a child neurologist with ABPN certification or suitable equivalent qualifications. ^(Core)
- IV.A.6.c).(4) at least one month full-time equivalent experience in clinical psychiatry, including cognition and behavior under the supervision of a psychiatrist certified by the ABPN, or who possesses qualifications acceptable to the Review Committee. ^(Core)
- IV.A.6.c).(5) clinical teaching rounds supervised by faculty occurring at least five days per week. ^(Detail)
- IV.A.6.c).(6) exposure to and understanding of evaluation and management of patients in various settings including an intensive care unit and an emergency department with neurological disorders and for patients requiring acute neurosurgical management. ^(Detail)
- IV.A.6.c).(7) experience in neuroimaging including but not limited to magnetic resonance imaging, computerized tomography and neurosonology. ^(Detail)

IV.B. Residents' Scholarly Activities

- IV.B.1. The curriculum must advance residents' knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care.** ^(Core)
- IV.B.2. Residents should participate in scholarly activity.** ^(Core)
- IV.B.3. The sponsoring institution and program should allocate adequate**

educational resources to facilitate resident involvement in scholarly activities. ^(Detail)

V. Evaluation

V.A. Resident Evaluation

V.A.1. The program director must appoint the Clinical Competency Committee. ^(Core)

V.A.1.a) At a minimum the Clinical Competency Committee must be composed of three members of the program faculty. ^(Core)

V.A.1.a).(1) The program director may appoint additional members of the Clinical Competency Committee.

V.A.1.a).(1).(a) These additional members must be physician faculty members from the same program or other programs, or other health professionals who have extensive contact and experience with the program's residents in patient care and other health care settings. ^(Core)

V.A.1.a).(1).(b) Chief residents who have completed core residency programs in their specialty and are eligible for specialty board certification may be members of the Clinical Competency Committee. ^(Core)

V.A.1.b) There must be a written description of the responsibilities of the Clinical Competency Committee. ^(Core)

V.A.1.b).(1) The Clinical Competency Committee should:

V.A.1.b).(1).(a) review all resident evaluations semi-annually; ^(Core)

V.A.1.b).(1).(b) prepare and ensure the reporting of Milestones evaluations of each resident semi-annually to ACGME; and, ^(Core)

V.A.1.b).(1).(c) advise the program director regarding resident progress, including promotion, remediation, and dismissal. ^(Detail)

V.A.2. Formative Evaluation

V.A.2.a) The faculty must evaluate resident performance in a timely manner during each rotation or similar educational assignment, and document this evaluation at completion of the assignment. ^(Core)

V.A.3.a) The specialty-specific Milestones must be used as one of the tools to ensure residents are able to practice core professional activities without supervision upon completion of the program. ^(Core)

V.A.3.a).(1) Resident competency must be documented in five areas (critical care, neuromuscular, ambulatory, neurodegenerative and child patient) by evaluating a minimum of five different patients as specified below during the residency: ^(Detail)

V.A.3.a).(1).(a) Critical care: One critically ill adult patient with neurological disease (may be in either an intensive care unit or emergency department setting or an emergency consultation from another inpatient service) ^(Detail)

V.A.3.a).(1).(b) Neuromuscular: One adult patient with a neuromuscular disease (may be in either an inpatient or outpatient setting) ^(Detail)

V.A.3.a).(1).(c) Ambulatory: One adult patient with an episodic disorder, such as seizures or migraine ^(Detail)

V.A.3.a).(1).(d) Neurodegenerative: One adult patient with a neurodegenerative disorder, such as dementia, a movement disorder, or multiple sclerosis ^(Detail)

V.A.3.a).(1).(e) Child patient: One child patient with a neurological disorder ^(Detail)

V.A.3.b) The program director must provide a summative evaluation for each resident upon completion of the program. ^(Core)

This evaluation must:

V.A.3.b).(1) **become part of the resident's permanent record maintained by the institution, and must be accessible for review by the resident in accordance with institutional policy;** ^(Detail)

V.A.3.b).(2) **document the resident's performance during the final period of education; and,** ^(Detail)

V.A.3.b).(3) **verify that the resident has demonstrated sufficient competence to enter practice without direct supervision.** ^(Detail)

V.B. Faculty Evaluation

V.B.1. At least annually, the program must evaluate faculty performance as

it relates to the educational program. ^(Core)

V.B.2. These evaluations should include a review of the faculty’s clinical teaching abilities, commitment to the educational program, clinical knowledge, professionalism, and scholarly activities. ^(Detail)

V.B.3. This evaluation must include at least annual written confidential evaluations by the residents. ^(Detail)

V.C. Program Evaluation and Improvement

V.C.1. The program director must appoint the Program Evaluation Committee (PEC). ^(Core)

V.C.1.a) The Program Evaluation Committee:

V.C.1.a).(1) must be composed of at least two program faculty members and should include at least one resident; ^(Core)

V.C.1.a).(2) must have a written description of its responsibilities; and, ^(Core)

V.C.1.a).(3) should participate actively in:

V.C.1.a).(3).(a) planning, developing, implementing, and evaluating educational activities of the program; ^(Detail)

V.C.1.a).(3).(b) reviewing and making recommendations for revision of competency-based curriculum goals and objectives; ^(Detail)

V.C.1.a).(3).(c) addressing areas of non-compliance with ACGME standards; and, ^(Detail)

V.C.1.a).(3).(d) reviewing the program annually using evaluations of faculty, residents, and others, as specified below. ^(Detail)

V.C.2. The program, through the PEC, must document formal, systematic evaluation of the curriculum at least annually, and is responsible for rendering a written, annual program evaluation. ^(Core)

The program must monitor and track each of the following areas:

V.C.2.a) resident performance; ^(Core)

V.C.2.b) faculty development; ^(Core)

V.C.2.c) graduate performance, including performance of program

graduates on the certification examination; ^(Core)

- V.C.2.c).(1) Graduate pass rates for the ABPN specialty certifying examination must be used in evaluating the educational effectiveness of the program. ^(Outcome)
- V.C.2.c).(2) At least 80 percent of a program's eligible graduates from the preceding five years should take the ABPN certifying examination in neurology. ^(Outcome)
- V.C.2.c).(2).(a) At least 75 percent of a program's eligible graduates from the preceding five years who take the ABPN certifying examination in neurology for the first time should pass. ^(Outcome)
- V.C.2.c).(2).(b) In those programs with fewer than five graduates over the past five years, at least 50 percent of graduates who take the ABPN certifying examination in neurology for the first time should pass. ^(Outcome)
- V.C.2.d) program quality; and,** ^(Core)
- V.C.2.d).(1) Residents and faculty must have the opportunity to evaluate the program confidentially and in writing at least annually, and** ^(Detail)
- V.C.2.d).(2) The program must use the results of residents' and faculty members' assessments of the program together with other program evaluation results to improve the program.** ^(Detail)
- V.C.2.d).(3) Program goals and objectives should be reviewed, whether or not the goals were achieved and had their intended effect; and the evaluation process and out comes should be formally documented at least annually. ^(Detail)
- V.C.2.e) progress on the previous year's action plan(s).** ^(Core)
- V.C.3. The PEC must prepare a written plan of action to document initiatives to improve performance in one or more of the areas listed in section V.C.2., as well as delineate how they will be measured and monitored.** ^(Core)
- V.C.3.a) The action plan should be reviewed and approved by the teaching faculty and documented in meeting minutes.** ^(Detail)

VI. Resident Duty Hours in the Learning and Working Environment

VI.A. Professionalism, Personal Responsibility, and Patient Safety

- VI.A.1.** Programs and sponsoring institutions must educate residents and faculty members concerning the professional responsibilities of physicians to appear for duty appropriately rested and fit to provide the services required by their patients. ^(Core)
- VI.A.2.** The program must be committed to and responsible for promoting patient safety and resident well-being in a supportive educational environment. ^(Core)
- VI.A.3.** The program director must ensure that residents are integrated and actively participate in interdisciplinary clinical quality improvement and patient safety programs. ^(Core)
- VI.A.4.** The learning objectives of the program must:
- VI.A.4.a)** be accomplished through an appropriate blend of supervised patient care responsibilities, clinical teaching, and didactic educational events; and, ^(Core)
- VI.A.4.b)** not be compromised by excessive reliance on residents to fulfill non-physician service obligations. ^(Core)
- VI.A.5.** The program director and institution must ensure a culture of professionalism that supports patient safety and personal responsibility. ^(Core)
- VI.A.6.** Residents and faculty members must demonstrate an understanding and acceptance of their personal role in the following:
- VI.A.6.a)** assurance of the safety and welfare of patients entrusted to their care; ^(Outcome)
- VI.A.6.b)** provision of patient- and family-centered care; ^(Outcome)
- VI.A.6.c)** assurance of their fitness for duty; ^(Outcome)
- VI.A.6.d)** management of their time before, during, and after clinical assignments; ^(Outcome)
- VI.A.6.e)** recognition of impairment, including illness and fatigue, in themselves and in their peers; ^(Outcome)
- VI.A.6.f)** attention to lifelong learning; ^(Outcome)
- VI.A.6.g)** the monitoring of their patient care performance improvement indicators; and, ^(Outcome)
- VI.A.6.h)** honest and accurate reporting of duty hours, patient outcomes, and clinical experience data. ^(Outcome)
- VI.A.7.** All residents and faculty members must demonstrate

responsiveness to patient needs that supersedes self-interest. They must recognize that under certain circumstances, the best interests of the patient may be served by transitioning that patient's care to another qualified and rested provider. ^(Outcome)

VI.B. Transitions of Care

VI.B.1. Programs must design clinical assignments to minimize the number of transitions in patient care. ^(Core)

VI.B.2. Sponsoring institutions and programs must ensure and monitor effective, structured hand-over processes to facilitate both continuity of care and patient safety. ^(Core)

VI.B.3. Programs must ensure that residents are competent in communicating with team members in the hand-over process. ^(Outcome)

VI.B.4. The sponsoring institution must ensure the availability of schedules that inform all members of the health care team of attending physicians and residents currently responsible for each patient's care. ^(Detail)

VI.C. Alertness Management/Fatigue Mitigation

VI.C.1. The program must:

VI.C.1.a) educate all faculty members and residents to recognize the signs of fatigue and sleep deprivation; ^(Core)

VI.C.1.b) educate all faculty members and residents in alertness management and fatigue mitigation processes; and, ^(Core)

VI.C.1.c) adopt fatigue mitigation processes to manage the potential negative effects of fatigue on patient care and learning, such as naps or back-up call schedules. ^(Detail)

VI.C.2. Each program must have a process to ensure continuity of patient care in the event that a resident may be unable to perform his/her patient care duties. ^(Core)

VI.C.3. The sponsoring institution must provide adequate sleep facilities and/or safe transportation options for residents who may be too fatigued to safely return home. ^(Core)

VI.D. Supervision of Residents

VI.D.1. In the clinical learning environment, each patient must have an identifiable, appropriately-credentialed and privileged attending physician (or licensed independent practitioner as approved by each Review Committee) who is ultimately responsible for that patient's care. ^(Core)

- VI.D.1.a)** This information should be available to residents, faculty members, and patients. ^(Detail)
- VI.D.1.b)** Residents and faculty members should inform patients of their respective roles in each patient's care. ^(Detail)
- VI.D.2.** The program must demonstrate that the appropriate level of supervision is in place for all residents who care for patients. ^(Core)
- Supervision may be exercised through a variety of methods. Some activities require the physical presence of the supervising faculty member. For many aspects of patient care, the supervising physician may be a more advanced resident or fellow. Other portions of care provided by the resident can be adequately supervised by the immediate availability of the supervising faculty member or resident physician, either in the institution, or by means of telephonic and/or electronic modalities. In some circumstances, supervision may include post-hoc review of resident-delivered care with feedback as to the appropriateness of that care. ^(Detail)
- VI.D.3.** Levels of Supervision
- To ensure oversight of resident supervision and graded authority and responsibility, the program must use the following classification of supervision: ^(Core)
- VI.D.3.a)** Direct Supervision – the supervising physician is physically present with the resident and patient. ^(Core)
- VI.D.3.b)** Indirect Supervision:
- VI.D.3.b).(1)** with direct supervision immediately available – the supervising physician is physically within the hospital or other site of patient care, and is immediately available to provide Direct Supervision. ^(Core)
- VI.D.3.b).(2)** with direct supervision available – the supervising physician is not physically present within the hospital or other site of patient care, but is immediately available by means of telephonic and/or electronic modalities, and is available to provide Direct Supervision. ^(Core)
- VI.D.3.c)** Oversight – the supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered. ^(Core)
- VI.D.4.** The privilege of progressive authority and responsibility, conditional independence, and a supervisory role in patient care delegated to each resident must be assigned by the program director and faculty

members. ^(Core)

- VI.D.4.a)** The program director must evaluate each resident's abilities based on specific criteria. When available, evaluation should be guided by specific national standards-based criteria. ^(Core)
- VI.D.4.b)** Faculty members functioning as supervising physicians should delegate portions of care to residents, based on the needs of the patient and the skills of the residents. ^(Detail)
- VI.D.4.c)** Senior residents or fellows should serve in a supervisory role of junior residents in recognition of their progress toward independence, based on the needs of each patient and the skills of the individual resident or fellow. ^(Detail)
- VI.D.5.** Programs must set guidelines for circumstances and events in which residents must communicate with appropriate supervising faculty members, such as the transfer of a patient to an intensive care unit, or end-of-life decisions. ^(Core)
- VI.D.5.a)** Each resident must know the limits of his/her scope of authority, and the circumstances under which he/she is permitted to act with conditional independence. ^(Outcome)
- VI.D.5.a).(1)** In particular, PGY-1 residents should be supervised either directly or indirectly with direct supervision immediately available. ^(Core)
- VI.D.5.a).(2)** The sponsoring institution and participating sites must provide the resources to ensure that residents from other specialties do not supervise neurology residents on any neurology inpatient rotation. ^(Detail)
- VI.D.5.a).(3)** The sponsoring institution and participating sites must ensure that second- or third-year neurology residents or other appropriate supervisory physicians (e.g., subspecialty residents or attendings) with documented experience appropriate to the acuity, complexity, and severity of patient illness be available at all times on-site to supervise first-year residents on inpatient rotations. ^(Detail)
- VI.D.6.** Faculty supervision assignments should be of sufficient duration to assess the knowledge and skills of each resident and delegate to him/her the appropriate level of patient care authority and responsibility. ^(Detail)

VI.E. Clinical Responsibilities

The clinical responsibilities for each resident must be based on PGY-level, patient safety, resident education, severity and complexity of patient illness/condition and available support services. ^(Core)

VI.E.1. The program director must have the authority and responsibility to set appropriate clinical responsibilities (i.e., patient caps) for each resident.
(Detail)

VI.F. Teamwork

Residents must care for patients in an environment that maximizes effective communication. This must include the opportunity to work as a member of effective interprofessional teams that are appropriate to the delivery of care in the specialty. (Core)

VI.G. Resident Duty Hours

VI.G.1. Maximum Hours of Work per Week

Duty hours must be limited to 80 hours per week, averaged over a four-week period, inclusive of all in-house call activities and all moonlighting. (Core)

VI.G.1.a) Duty Hour Exceptions

A Review Committee may grant exceptions for up to 10% or a maximum of 88 hours to individual programs based on a sound educational rationale. (Detail)

The Review Committee for Neurology will not consider requests for exceptions to the 80-hour limit to the residents' work week.

VI.G.1.a).(1) In preparing a request for an exception the program director must follow the duty hour exception policy from the ACGME Manual on Policies and Procedures. (Detail)

VI.G.1.a).(2) Prior to submitting the request to the Review Committee, the program director must obtain approval of the institution's GMEC and DIO. (Detail)

VI.G.2. Moonlighting

VI.G.2.a) Moonlighting must not interfere with the ability of the resident to achieve the goals and objectives of the educational program. (Core)

VI.G.2.b) Time spent by residents in Internal and External Moonlighting (as defined in the ACGME Glossary of Terms) must be counted towards the 80-hour Maximum Weekly Hour Limit. (Core)

VI.G.2.c) PGY-1 residents are not permitted to moonlight. (Core)

VI.G.3. Mandatory Time Free of Duty

Residents must be scheduled for a minimum of one day free of duty every week (when averaged over four weeks). At-home call cannot be assigned on these free days. ^(Core)

VI.G.4. Maximum Duty Period Length

VI.G.4.a) Duty periods of PGY-1 residents must not exceed 16 hours in duration. ^(Core)

VI.G.4.b) Duty periods of PGY-2 residents and above may be scheduled to a maximum of 24 hours of continuous duty in the hospital. ^(Core)

VI.G.4.b).(1) Programs must encourage residents to use alertness management strategies in the context of patient care responsibilities. Strategic napping, especially after 16 hours of continuous duty and between the hours of 10:00 p.m. and 8:00 a.m., is strongly suggested. ^(Detail)

VI.G.4.b).(2) It is essential for patient safety and resident education that effective transitions in care occur. Residents may be allowed to remain on-site in order to accomplish these tasks; however, this period of time must be no longer than an additional four hours. ^(Core)

VI.G.4.b).(3) Residents must not be assigned additional clinical responsibilities after 24 hours of continuous in-house duty. ^(Core)

VI.G.4.b).(4) In unusual circumstances, residents, on their own initiative, may remain beyond their scheduled period of duty to continue to provide care to a single patient. Justifications for such extensions of duty are limited to reasons of required continuity for a severely ill or unstable patient, academic importance of the events transpiring, or humanistic attention to the needs of a patient or family. ^(Detail)

VI.G.4.b).(4).(a) Under those circumstances, the resident must:

VI.G.4.b).(4).(a).(i) appropriately hand over the care of all other patients to the team responsible for their continuing care; and, ^(Detail)

VI.G.4.b).(4).(a).(ii) document the reasons for remaining to care for the patient in question and submit that documentation in every circumstance to the program director. ^(Detail)

nights of night float. ^(Core)

VI.G.6.a) Residents should not have more than two consecutive weeks of night float or half of a calendar month (maximum 16 days). ^(Detail)

VI.G.7. Maximum In-House On-Call Frequency

PGY-2 residents and above must be scheduled for in-house call no more frequently than every-third-night (when averaged over a four-week period). ^(Core)

VI.G.8. At-Home Call

VI.G.8.a) Time spent in the hospital by residents on at-home call must count towards the 80-hour maximum weekly hour limit. The frequency of at-home call is not subject to the every-third-night limitation, but must satisfy the requirement for one-day-in-seven free of duty, when averaged over four weeks. ^(Core)

VI.G.8.a).(1) At-home call must not be so frequent or taxing as to preclude rest or reasonable personal time for each resident. ^(Core)

VI.G.8.b) Residents are permitted to return to the hospital while on at-home call to care for new or established patients. Each episode of this type of care, while it must be included in the 80-hour weekly maximum, will not initiate a new “off-duty period”. ^(Detail)

***Core Requirements:** Statements that define structure, resource, or process elements essential to every graduate medical educational program.

Detail Requirements: Statements that describe a specific structure, resource, or process, for achieving compliance with a Core Requirement. Programs and sponsoring institutions in substantial compliance with the Outcome Requirements may utilize alternative or innovative approaches to meet Core Requirements.

Outcome Requirements: Statements that specify expected measurable or observable attributes (knowledge, abilities, skills, or attitudes) of residents or fellows at key stages of their graduate medical education.

Osteopathic Recognition

For programs seeking Osteopathic Recognition for the entire program, or for a track within the program, the Osteopathic Recognition Requirements are also applicable.

http://www.acgme.org/Portals/0/PFAssets/ProgramRequirements/Osteopathic_Recognition_Requirements.pdf