



2025 Neurology Fundamental Advanced Skills Reference List

This is **NOT** the list you will submit with your application. Use this only as a reference.
 The submission form can be found here: [2025 Neurology Fundamental Advanced Skills](#)

1. Recognize slight mentation changes in critical neurologic patients with an understanding of potential physiological concerns such changes indicate	2. Recognize primary medical reasons for secondary neurological changes (e.g., endocrine disorders, vitamin deficiencies, or non-neurologic congenital diseases)
3. Recognize clinical signs of and understand treatment options for commonly seen neurotoxins	4. Recognize and treat common side effects of opioid pain management
5. Safely administer anticonvulsant medications	6. Appropriate patient positioning both in and out of the operating room for neurosurgical patients
7. Scrub in and provide surgical assistance for neurosurgical procedures	8. Properly set up for and monitor mechanical ventilation for neurologic patients
9. Properly set up for, assist with or perform arthrocentesis and demonstrate appropriate handling of samples for analysis	10. Properly set up for and assist with muscle and nerve biopsy procedures and demonstrate appropriate handling of samples for analysis
11. Recognize potential postoperative complications (e.g., wound infection, wound dehiscence, seroma formation) and discuss them with clients	12. Properly set up for, assist with or perform electrodiagnostic testing, including: <ul style="list-style-type: none"> • EEG (electroencephalogram) • BAER (brainstem auditory evoked response) • EMG (electromyography) • Nerve conduction • Repetitive stimulation
13. Place and maintain arterial catheters	14. Recognize special nutritional or feeding considerations and calculate daily caloric needs for neurologic patients
15. Explain and perform basic rehabilitative techniques and principles utilized in caring for the neurologically impaired patient	16. Measure and fit neurological devices (e.g., wheelchairs, prostheses, various harnesses, and/or other assistive devices), and educate clients on appropriate use of such devices