



# **AANEM Recognition of EDX Fellowship Training Program**

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## OVERVIEW

Thank you for your interest in the American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM) recognition for electrodiagnostic (EDX) medicine and neuromuscular ultrasound (NMUS) training for existing fellowship programs.

There is a growing demand for well-trained EDX medicine and NMUS specialists. To address this, the AANEM Board approved criteria to recognize fellowship programs that meet a standard of educational quality. In order to obtain AANEM recognition, the program must demonstrate the ability to provide adequate clinical and educational experiences to achieve the EDX medicine and NMUS criteria listed in the Application Evaluation (page 9). Fellowships are required to incorporate specific [AANEM Education Materials](#) as outlined in the curriculum (page 3) to ensure foundational knowledge and skill development. In addition, programs may use other AANEM-developed resources to support or enhance educational objectives that cannot be fully achieved through the fellowship's clinical experience or faculty expertise alone.

**This application will be completed online.** Please review the materials in this packet to ensure you have all required information and documents ready before starting the online submission. Applicants are reviewed on a rolling basis. All fellowship recognition applications will be reviewed by a designated AANEM committee, which will independently evaluate each program based on the established criteria.

Required documents for online submission:

- Application (page 5)
- Current CV(s) for the Program Director/Associate Program Director

Points Qualification:

- Fellowship programs must satisfy all Required Criteria *and* achieve the Minimum Points Criteria for each evaluation section as outlined in the table on **page 9**, for a minimum total score of 60 points.

The AANEM's recognition of a fellowship program operates on a 2-year term, with a \$250 application fee.

If your fellow(s) plan to pursue certification through the American Board of Electrodiagnostic Medicine (ABEM) or the ABEM Certificate of Added Qualification in Neuromuscular Ultrasound (NMUS), please review the eligibility requirements [here](#).

## FELLOWSHIP REQUIREMENTS

- The fellowship must be accredited or formally recognized by an established accrediting body.
- The fellowship must provide the trainee with the opportunity to perform electrodiagnostic testing and neuromuscular ultrasound on a regular basis, in order to complete **100** independent electrodiagnostic studies and **150** neuromuscular ultrasound examinations by the end of the fellowship.
- The fellowship must provide adequate educational experiences in the form of lectures, workshops, case conferences, journal clubs, and assigned readings in order to achieve the EDX medicine and NMUS objectives.
- Fellows are required to participate in the [AANEM EDX Medicine Self-Assessment Examination \(SAE\)](#) during their fellowship year. Registration is open November-early April for a May in-service exam administration.
- Fellowships are required to incorporate specific AANEM educational materials as outlined in the following curriculum to ensure foundational knowledge and skill development. In addition, programs may use other AANEM-developed resources to support or enhance educational objectives that cannot be fully achieved through the fellowship's clinical experience or faculty expertise alone.

# CURRICULUM

Fellowships are required to incorporate specific [AANEM Education Materials](#) as outlined in the following curriculum to ensure foundational knowledge and skill development. In addition, programs may use other AANEM-developed resources to support or enhance educational objectives that cannot be fully achieved through the fellowship's clinical experience or faculty expertise alone.

## I. ELECTRODIAGNOSTIC MEDICINE OBJECTIVES

- a. Demonstrate understanding of pertinent neuromuscular anatomy**
  - i. AANEM Video "Peripheral Neuroanatomy"
- b. Demonstrate the ability to perform an appropriate history and physical examination relevant to electrodiagnostic testing.**
  - i. AANEM Video "Conducting a Neuromuscular Examination"
- c. Demonstrate knowledge of the clinical presentation of disorders affecting the muscle, neuromuscular junction, peripheral nerve, plexus, nerve root, and motor neuron.**
  - i. AANEM Lecture Series "Common/Not Common Neuromuscular Disorders"
  - ii. AANEM Lecture Series "Traumatic Brachial Plexopathy"
  - iii. AANEM Lecture Series "NMJ Disorders"
  - iv. AANEM Lecture Series "Peripheral Neuropathy"
  - v. AANEM Monograph "Evaluation of persons with Suspected Lumbosacral and Cervical Radiculopathy"
  - vi. AANEM Monograph "Electrodiagnosis of Carpal Tunnel Syndrome"
  - vii. AANEM Monograph "Electrodiagnostic or Ulnar Neuropathy at the Elbow"
- d. Demonstrate knowledge of equipment/instrumentation, clinical indications, contraindications, adverse effects, and pitfalls associated with electrodiagnostic testing.**
  - i. AANEM Lecture Series "Basics of NCS and Needle EMG"
  - ii. AANEM Lecture Series "Pitfalls in Nerve Conduction Studies"
- e. Demonstrate understanding of ethical considerations in electrodiagnostic testing.**
  - i. AANEM Ethics Vignette "Scope of an EDX Physician in Patient Care"
- f. Demonstrate the ability to perform and interpret nerve conduction studies and needle electromyography for a wide range of neuromuscular disorders.**
  - i. Perform 100 independent EDX studies.
  - ii. AANEM Lecture Series "Basics of NCS and Needle EMG"

*Incoming fellows are expected to have performed 150 EDX studies and observed 50 during their residency. If they have not completed these required numbers, the fellowship should provide opportunities to fulfill them to ensure the fellow's eligibility to sit for the ABEM Certification Exam.*

- g. Demonstrate knowledge of optimal documentation, billing and coding.**
  - i. AANEM Lecture Series "EMG Reports"

## **II. NEUROMUSCULAR ULTRASOUND OBJECTIVES**

- a. Demonstrate understanding of pertinent neuromusculoskeletal anatomy.**
  - i. AANEM Video “Peripheral Neuroanatomy”
  
- b. Demonstrate knowledge of ultrasound physics.**
  
- c. Demonstrate knowledge of ultrasound findings seen in disorders affecting the muscle, neuromuscular junction, peripheral nerve, plexus, nerve root, and motor neuron.**
  - i. AANEM Monograph “Neuromuscular Ultrasound in Common Entrapment Neuropathies”
  - ii. AANEM Lecture Series “Use of EDX and US for Evaluation of Focal Neuropathies”
  
- d. Demonstrate the ability to perform and interpret diagnostic ultrasound for a wide range of neuromuscular disorders.**
  - i. Perform 150 neuromuscular ultrasound examinations
  - ii. AANEM Lecture Series “Use of EDX and US for Evaluation of Focal Neuropathies”
  
- e. Demonstrate knowledge of optimal documentation, billing and coding.**

## HOW TO APPLY

The online application can be found [here](#). On this page, you will see the program(s) you are affiliated with in the AANEM system that can be used to apply for recognition. You can also begin a new application if you have an AANEM user account and are logged in. If you are not in our database, you will need to create a user account before starting an application.

### Start a New Fellowship Recognition Application

#### Affiliated Fellowships

Based on our records, you are currently affiliated with the following fellowship program(s). To begin an application for AANEM Recognition of one of these programs, please select the appropriate fellowship below.

NM Fellowship

Albany Medical Center Neurology

[Apply for this Fellowship](#)

#### Not Listed Above? Apply for a New Fellowship

If the fellowship you wish to apply for is **not** listed above under "Affiliated Fellowships," you may begin a new application here.

[Begin New Application](#)

You will need the following information to complete the 7-step online application process.

Fellowship applications will need to meet the required criteria and points criteria as outlined on the Application Evaluation (page 9). Applications will be reviewed on a rolling basis by a designated AANEM committee, which will independently evaluate each submission based on the established criteria.

#### Step 1: PROGRAM AFFILIATION



You will be asked to name the institution/university or private practice/other affiliate with which the fellowship program is affiliated, as well as the specialty and subspecialty of the fellowship program.

#### Step 2: FACULTY INFORMATION



You will be asked to confirm or update all personnel for your fellowship program. You must designate a **Program Director** and **Coordinator**. You may also add or remove additional faculty members. If your fellowship has an Associate Program Director, please be sure to input them as **'Other Faculty'**.

### Step 3: PROGRAM INFORMATION



You will be asked to provide the following program information:

- Existing Fellowship Accreditation / Recognition
- Address / Phone Number / Fax Number
- Number of Fellowship Positions Available
- Program Website
- You may provide additional fellowship details, including institution or faculty photos, to be included on your AANEM fellowship listing.

*Note that in order to be eligible for fellowship recognition, your fellowship must be accredited or formally recognized by an established accrediting body.*

### Step 4: ELECTRODIAGNOSTIC MEDICINE EXPERIENCE



**You will be asked to respond to the following Yes/No questions and to supply any additional details where indicated.**

1. Fellowship training will occur at an AANEM-accredited EDX laboratory (AANEM lab accreditation is not a requirement).
2. Fellowship will provide trainees with the opportunity to perform electrodiagnostic testing on a regular basis in order to complete **100** independent studies within completion of fellowship.
  - 2.1 Anticipated number of electrodiagnostic studies per month
3. Fellowship training will involve **journal clubs** that will include (but not limited to) two or more sessions containing electrodiagnostic medicine-related topics.
  - 3.1 Description of journal clubs (include anticipated number of journal clubs during fellowship)
4. Fellowship training will involve two or more **case conferences** that will include electrodiagnostic medicine related topics.
  - 4.1 Description of case conferences (include anticipated number of case conferences during fellowship)
5. Fellowship training will involve two or more **lectures / didactics** that will include electrodiagnostic medicine related topics.
  - 5.1 Description of lectures/didactics (include anticipated number of lectures during fellowship)
6. Participating fellow(s) will **deliver** one or more lectures related to EDX medicine during the fellowship.
  - 6.1 Description of lectures/didactics (include anticipated number of lectures during fellowship)

7. Participating fellow(s) will provide **teaching or clinical supervision** to residents or trainees on EDX medicine topics
  - 7.1 Description of teaching or supervision (include settings, frequency, and types of activities)
8. Fellowship will ensure completion of the required AANEM curriculum components (as outlined in the Curriculum Template & Fellowship Requirements - pages 3-4).
9. Fellowship will require participating fellow(s) to take the AANEM Electrodiagnostic Self-Assessment Exam (**EDX SAE**).
10. Description of any additional training / experiences related to electrodiagnostic medicine that will be accomplished during Fellowship

### Step 5: NEUROMUSCULAR ULTRASOUND EXPERIENCE



1. Fellowship will provide trainees with the opportunity to perform neuromuscular ultrasound on a regular basis in order to complete **150** examinations within completion of fellowship.
  - 1.1 Anticipated number of electrodiagnostic studies per month
2. Fellowship training will involve **journal clubs** that will include two or more neuromuscular/ musculoskeletal ultrasound related topics.
  - 2.1 Description of journal clubs (include anticipated number of journal clubs during fellowship).
3. Fellowship training will involve two or more **lectures / didactics** that will include neuromuscular/ musculoskeletal ultrasound related topics.
  - 3.1 Description of lectures/didactics (include anticipated number of lectures during fellowship)
4. Fellowship training will involve hands-on **ultrasound workshops**.
  - 4.1 Description of workshops (include anticipated number of workshops during fellowship)
5. Participating fellow(s) will **deliver** one or more lectures related to neuromuscular / musculoskeletal ultrasound during the fellowship.
  - 5.1 Description of lectures/didactics (include anticipated number of lectures during fellowship)
6. Participating fellow(s) will provide **teaching or clinical supervision** to residents or trainees on EDX medicine topics.
  - 6.1 Description of teaching or supervision (include settings, frequency, and types of activities)
7. Description of any additional training / experiences related to neuromuscular / musculoskeletal ultrasound that will be accomplished during Fellowship.

## Step 6: PROGRAM DIRECTOR & FACULTY QUALIFICATIONS



For verification purposes, you will be asked to upload the Fellowship Program Director's CV. If you have an Associate Program Director, you will also upload their CV.

1. Fellowship Faculty are ABEM certified, ABPN or ABPMR NM-Certified, or ABPN-CNP Certified
2. Fellowship Faculty are ABEM NMUS Certified
3. Fellowship Program Director / Associate Program Director currently holds a university academic appointment.
4. Fellowship Program Director / Associate Program Director has authored book chapters within the past ten (10) years.
5. Fellowship Program Director / Associate Program Director has served or currently serves as a Book Editor (or a whole book author) within the past ten (10) years.
6. Fellowship Program Director / Associate Program Director has served or currently serves as an Associate Book Editor within the past ten (10) years.
7. Fellowship Program Director / Associate Program Director has published one or more peer-reviewed publications within the past ten (10) years.
8. Fellowship Program Director / Associate Program Director has delivered one or more presentations/lectures/workshops within the past three (3) years.
9. Fellowship Program Director / Associate Program Director has been awarded research grants within the past ten (10) years.
10. Fellowship Program Director / Associate Program Director is or has been an active committee member of a National/International Medical Society within the past three (3) years.
11. Fellowship Program Director / Associate Program Director has served or currently serves as a Journal Editor/Associate Journal Editor/Journal Editorial Board Member within the past ten (10) years.
12. Fellowship Program Director / Associate Program Director has served or currently serves as a Journal Reviewer for a medical journal within the past ten (10) years.

## Step 7: CONFIRMATION



You will be asked to identify the primary program contact to receive application-related correspondence, specify your requested 2-year recognition period, and agree to the Terms and Conditions.

## APPLICATION EVALUATION

Fellowship programs must satisfy all Required Criteria *and* achieve the Minimum Points Criteria for each evaluation section as outlined in the table below, for a minimum **TOTAL** score of **60 points**.

### I. REQUIRED CRITERIA

- Fellowship has **existing accreditation / formal recognition** by an established accrediting body. You will be asked to indicate this on the application form.
- Fellowship can provide trainees with opportunity to perform the necessary volume of electrodiagnostic testing (**100 independent studies**) and neuromuscular ultrasound (**150 studies**)
- Fellowship will ensure completion of required AANEM **curriculum components**, including taking the **EDX Self-Assessment Examinations (SAEs)**

### I. POINTS CRITERIA

<b>SECTION 1: PROGRAM EVALUATION</b>			
<i>Minimum 40 points required</i>			
	<b>CRITERIA</b>	<b>POINTS VALUE</b>	<b>POINTS MET</b>
<b>EDX Training</b> <i>Minimum 15 points required</i>	Fellowship training will occur at an AANEM-accredited EDX laboratory	5	
	Fellowship training involves at least 2 journal clubs that will include electrodiagnostic medicine related topics	5	
	Fellowship training involves at least 2 case conferences that will include electrodiagnostic medicine related topics	5	
	Fellowship training involves at least 2 lectures presented to Fellow that will include electrodiagnostic medicine related topics	5	
	Fellowship training involves fellow presenting at least 1 lecture related to electrodiagnostic medicine	5	
	Fellowship training involves fellow providing teaching/supervision to residents/trainees related to electrodiagnostic medicine	5	
	<b>Ultrasound Training</b> <i>Minimum 15 points required</i>	Fellowship training involves at least 2 journal clubs that will include ultrasound related topics	5
Fellowship training involves at least 2 lectures presented to Fellow that will include ultrasound related topics		5	
Fellowship training involves a hands-on ultrasound workshop		5	
Fellowship training involves fellow providing at least 1 lecture related to ultrasound		5	
Fellowship training involves fellow providing teaching/supervision to residents/trainees related to ultrasound setting		5	

<b>SECTION 2: PROGRAM DIRECTOR EVALUATION</b> <i>Minimum 20 points required</i>		
<b>CRITERIA</b>	<b>POINTS VALUE</b>	<b>POINTS MET</b>
Fellowship Faculty are ABEM certified, ABPN or ABPMR NM-Certified, or ABPN-CNP Certified	5 each (Max 10 points)	
Fellowship Faculty are ABEM NMUS Certified	5 each (Max 10 points)	
University Academic Appointment	3	
Book Chapters past 10 years	1 each (Max 10 points)	
Book Editor/Whole Book Author past 10 years	5	
Associate Book Editor past 10 years	3	
Peer Reviewed Publications past 10 years	1 each (Max 10 points)	
Presentations/Lectures/Workshops past 3 years	1 each (Max 10 points)	
Research Grants past 10 years	1 each (Max 5 points)	
Committee Member of National/International Medical Society past 3 years	1 each (Max 5 points)	
Journal Editor/Associate Editor/Editorial Board member past 10 years	5	
Journal Reviewer past 10 years	2	
<b>TOTAL POINTS ALL SECTIONS</b> <i>Minimum 60 points required</i>		

## TERMS & CONDITIONS

The AANEM provides recognition to fellowship programs in EDX and NMUS solely for informational purposes. AANEM does not conduct site visits, request staff or fellow evaluations, or require the submission of EDX or NMUS logs from recognized fellowship programs.

AANEM's recognition of a fellowship program does not imply endorsement or approval of the program's performance or curriculum. AANEM does not guarantee any aspect of a physician's performance as a result of completing a recognized fellowship program. Fellowship programs recognized by AANEM are listed solely as a service to the neuromuscular and EDX medicine community. Inclusion in the list of recognized fellowship programs does not constitute an endorsement, recommendation, or certification by AANEM of the program or its faculty.

Participation in an AANEM recognized fellowship program does not create a contractual relationship between AANEM and the institution, its faculty, staff, or fellows. AANEM is not liable for the level of training provided by recognized fellowship programs or any outcomes resulting from participation in such programs.

The AANEM reserves the right to withdraw recognition of a fellowship program if AANEM receives information that shows the program did not answer the application truthfully or is not fulfilling its obligations as listed on the application.

By participating in an AANEM recognized fellowship program, program directors acknowledge and agree to the terms outlined in this disclaimer. This disclaimer is subject to change without notice. Please consult the most recent version of this disclaimer for the latest information regarding AANEM's recognition of fellowship programs in EDX and NMUS at [here](#).