

Certification Examination in Movement And Related Disorders (CMRD)



AMDAPP

Association of Movement Disorder Advanced Practice Providers

Candidate Handbook 2026

Application Deadline*	Testing Period
February 11, 2026	March 14 – March 28, 2026
September 9, 2026	October 10 – October 24, 2026

***Applications will not be accepted after this deadline**

Administered by:



1350 Broadway, Suite 800 | New York, NY 10018
www.ptcny.com/contact

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This Handbook contains necessary information about the Certification Examination in Movement and Related Disorders. Retain it for future reference. Candidates are responsible for reading these instructions carefully. This Handbook is subject to change.

CONTACT INFORMATION

<p>Professional Testing Corporation (PTC) www.ptcny.com (212) 356-0660</p>	<ul style="list-style-type: none"> • Apply for examination • Obtain general application information • Obtain information about testing policies • Transfer to a new testing period • Request Testing Accommodations • Request Exam Verification • Questions about score reports • Recertification • Miscellaneous inquiries • Electronic certificates and digital badges
<p>Prometric http://www.prometric.com/AMDAPP (800) 741-0934</p>	<ul style="list-style-type: none"> • Schedule test appointment • Reschedule test appointment (within the same testing period) • Cancel test appointment • Find directions to test site • Questions regarding testing sites and appointments
<p>Association of Movement Disorders Advanced Practice Providers (AMDAPP) www.amdapp.org (201) 487-1050</p>	<ul style="list-style-type: none"> • General information

ATTENTION CANDIDATES

This handbook contains necessary information about the Certification Examination in Movement and Related Disorders (CMRD). It is required reading for those applying for and sitting for the Examination. All individuals applying for the examination must comply with the policies, procedures, and deadlines in this Handbook and attest to this by signing the Candidate Attestation found on the application. Retain this handbook for future reference. This handbook is subject to change. See www.ptcny.com for handbook updates.

ACCESSING CELL PHONES AND ELECTRONIC DEVICES AT ANY TIME WHILE YOU ARE TAKING THE EXAMINATION IS PROHIBITED. YOU MAY ONLY REMOVE SNACKS, DRINKS, MEDICINE OR PERSONAL HEALTHCARE ITEMS FROM YOUR LOCKER- NO BACKPACKS, BAGS, POCKETBOOKS OR CLOTHING CAN BE REMOVED WHILE YOUR EXAMINATION IS IN SESSION.

PURPOSES OF CERTIFICATION IN MOVEMENT AND RELATED DISORDERS

Parkinson's disease and related movement disorders are complex and lifelong diseases that affect many aspects of an individual's life. Management across the lifetime of movement disorders will require the expertise of multiple disciplines working together to meet the dynamic needs of the person and the family. The complexities in treating a person with a movement disorder requires that Advanced Practice Providers (APPs) have the basic knowledge and skills necessary to provide optimal care. The Association of Movement Disorders for Advanced Practice Providers (AMDAPP™) supports a voluntary certification process that reflects the knowledge of APPs in the specialized areas of care for those with movement disorders. The Certification in Movement and Related Disorders (CMRD) designation provides formal recognition of a specialized body of knowledge felt to be necessary to provide optimal care to those individuals and families living with Parkinson's and other movement disorders.

Certification is intended to promote quality and consistent care to those living with movement disorders by:

1. Formally recognizing knowledge across the multiple disciplines that is necessary for successful movement disorders delivery.
2. Establishing a level of intellectual expertise required to be a CMRD.
3. Providing validation for continued personal and professional growth in the care of individuals with movement disorders
4. Setting a baseline standard of knowledge requisite for Parkinson and movement disorders certification for Advanced Practice Providers.

CARE FOR PATIENTS WITH MOVEMENT RELATED DISORDERS

Care for patients with movement disorders may involve concepts underlying clinical practice; assessment and interventions, advocacy, education, and research. Movement disorder care occurs in settings such as:

- ◆ Private Medical Practices
- ◆ Rehabilitation Centers (acute or sub-acute)
- ◆ Hospitals
- ◆ Movement Disorders Centers or Clinics
- ◆ Home or Community Care Programs
- ◆ Nursing Homes
- ◆ Assisted Living Facilities
- ◆ Pharmaceutical or other Commercial Organizations
- ◆ Academic Programs
- ◆ Research Facilities

THE CERTIFICATION PROCESS



ELIGIBILITY REQUIREMENTS

Candidates must meet the following requirements:

1. Be in good standing with a Nurse Practitioner (NP) or Physician Assistant/Associate (PA) Board **(Upload a copy of your NP or PA Board Certification)**
2. Have 2 years of clinical practice in movement disorders, or have completed an APP fellowship (1 year +)
3. Complete and file an Application for the Certification Examination in Movement and Related Disorders (CMRD)
4. Pay the required fee

COMPLETION OF APPLICATION

Step 1 – Fill Out the Application

- Go to <http://www.ptcny.com/test-sponsors/AMDAPP>
 - View testing periods and application deadlines
 - Fill out online application completely and upload supporting documentation.
 - Use your first and last name exactly as it appears on your current driver’s license, passport, state issued non-driver ID or military ID.
 - Applications are not complete until all information, documentation, and payment has been provided.
 - When you start a new application you will be asked to create a user account and password. This account will be used to access your score report after the exam, so keep this information for later use.

Step 2 – Submit Exam Fee and Application for Review

PTC will send you an email that says that your payment and application have been received and are being reviewed. Allow up 10 business days for review.

Step 3 – Receive Application Status Update

- After your application is reviewed PTC will update you with another email.
 - **REOPENED FOR MORE DOCUMENTS**
 - This means we are missing the required documentation. Follow the directions in the email.
 - Applications that are incomplete as of 14 days before the start of the testing period will be refunded minus the administration fee (see fees page 10).
 - **REJECTED**
 - This means you are not eligible to take the exam. The reason will be explained in the email.
 - Rejected applications will be refunded minus the administration fee (see fees page 10).
 - **APPROVED**
 - This means your application is approved. You will move on to Step 4.

Step 4 – Receive Scheduling Authorization and Schedule Testing Appointment

- Approved candidates will receive an email with their Scheduling Authorization, within 11 weeks before the start of the testing period. Scheduling Authorization emails come from notices@ptcny.com. Do not lose this email.
- If you don’t receive your Scheduling Authorization email 3 weeks before the start of your testing period, contact PTC.

The Scheduling Authorization includes important information including:

- Your PTC Candidate ID number
- Instructions on how to make your Exam appointment with Prometric.

Applicants who are not approved to sit for the examination or whose applications are incomplete 14 days prior to the first day of the testing period will receive a refund of their application fee minus the \$75 administrative fee. Refunds will be processed approximately 30 days after the end of the testing period.

EXAMINATION ADMINISTRATION AND SCHEDULING

The Certification Examination in Movement and Related Disorders (CMRD) is administered during an established two-week testing period on a daily basis, excluding holidays, at computer-based testing facilities and via live remote proctoring managed by Prometric. Total appointment time for the CMRD Examination (exam time plus software tutorial and end of exam survey) is three hours and fifteen minutes (3:15).

Scheduling Examination Appointments

Follow the steps on your Scheduling Authorization to schedule your examination appointment with Prometric.



- Appointment times are first-come, first-served, so schedule your appointment as soon as you receive your Scheduling Authorization.
- **Candidates who wait until the last minute run the risk of missing out on their preferred date, time, and/or testing center. Candidates unable to schedule an appointment will forfeit their fees.**

After you make your test appointment, Prometric will send you a confirmation email with the date, time, and location of your exam. Check this confirmation carefully and contact Prometric at (800) 741-0934 if you do not receive this email confirmation or if there is a mistake with your appointment.

Note: International candidates may also schedule, reschedule, or cancel an appointment online at <http://www.prometric.com/AMDAPP>.

Scheduling a Remotely Proctored Examination Appointment

If you prefer to test via live remote proctoring in your home or another quiet distraction-free location you must provide:

- a computer
- a camera
- a microphone
- a stable internet connection

See our Live Remote Proctoring FAQs for more info: <https://ptcny.com/remote-proctor-faqs/>

- It is the candidate's responsibility to be sure their equipment and workspace meet all of the requirements for Live Remote Proctoring.
- If a candidate makes an appointment for remote proctoring and is unable to test due to not meeting technical requirements or physical requirements of the workspace, the candidate will forfeit their examination fees and will need to follow the transfer policies in place for their exam. See your exam's transfer policies on page 9.

IMPORTANT!

You **MUST** present your current driver's license, passport, or U.S. military ID at the test center. Expired, temporary, or paper driver's licenses will **NOT** be accepted.

The first and last name on your Scheduling Authorization **MUST** exactly match the first and last name on your photo ID.

Test Center or Live Remote Proctoring: What's the Difference?

	Test Center Exam	Live Remote Proctored Exam
Additional cost	No	No
ADA Accommodations offered	Yes	Yes – Extra time and private room accommodations only
Breaks allowed	One 15-minute scheduled break. Unscheduled breaks are permitted, however, the exam timer will continue counting down.	One 15-minute scheduled break. Candidates must alert the proctor when they are ready to take their break.
Equipment needed	None – Computer provided at test center	<p>Candidate provides their own laptop or desktop computer to take the exam. The computer must have:</p> <ul style="list-style-type: none"> • Webcam • Microphone • Secure, reliable internet <p>For complete requirements: www.prometric.com/proproctorcandidate</p>
Testing space needed	None – testing space provided by the test center	Candidates must test alone at a desk or table in a room with a door and no distractions or interruptions. Other people or pets are not permitted in your testing area.
Check-in procedure	Candidates must show their current Government-issued photo ID; walk through a metal detector or be wanded by staff; and roll up sleeves and turn out pockets for a visual inspection.	<p>Prior to check-in, the candidate's equipment needs to pass a compatibility check.</p> <p>During check-in, candidates must show their current Government-issued photo ID; perform a 360° scan of the room using their camera; and roll up sleeves and turn out pockets for a visual inspection.</p>
Monitoring	Proctors monitor candidates through video and physical walkthroughs in the testing room.	Remote proctors monitor candidates through video and audio, as well as ProProctor security software.

This information is provided as a courtesy summary and may not represent full requirements or specifications for in-person testing or live remote proctored testing. For Live Remote Proctored FAQs, visit <https://ptcny.com/remote-proctor-faqs/>

Rescheduling Examination Appointments within a Testing Period

Candidates can reschedule their examination appointments within the same testing period as long as the request is submitted within the timeframe described below. Reschedule within the permitted time frame by calling or going to the Prometric website: <http://www.prometric.com/AMDAPP>.

Time Frame	Reschedule Permitted?	Stipulations
Requests submitted 30 days or more before the original appointment	Yes	None
Requests submitted 29 to 5 days before the original appointment	Yes	Candidate must pay Prometric a rescheduling fee of \$50.
Requests submitted less than 5 days before the original appointment	No	Candidates who do not arrive to test for their appointment will be considered a no-show and all their examinations fees will be forfeited. Candidates will need to reapply and pay full examination fees for a future testing period.
Requests to reschedule due to technical difficulties during a Live Remote Proctoring appointment	No	Candidates who have technical difficulties during their Live Remote Proctoring appointment will need to transfer to a new period following the policies in this handbook.

Transferring to a New Testing Period

Candidates unable to take the examination during their scheduled testing period may request a **ONE-TIME** transfer to a future testing period. **There is a transfer fee of \$225.00.** After you have transferred once by paying the \$225.00 fee, you will need to pay the full examination fee in order to transfer a second time; so, *plan carefully*.

Note: requests to transfer to a new testing period must be received within 30 days of your originally scheduled testing period.

Candidates wishing to transfer to a new testing period need to follow the steps below.

1. Go to apply.ptcny.com.
2. Click "Transfer Existing Application."
3. PTC Support will send you an email letting you know your transfer application was approved and that you can log back into your application and pay the one-time \$225.00 transfer fee.

Contact PTC (www.ptcny.com/contact) if you have any questions regarding the transfer process.

If candidates are unable to attend the examination on the date for which they registered and elect not to transfer to another testing period, the application will be closed and all fees will be forfeited. There will be no refund of fees.

The transfer fee is based on costs and is not punitive in nature. The transfer fee must be paid at the time the request is approved.

Note: Transferring your Examination only refers to instances when a candidate is unable to take their exam during a testing period for which they have already applied. Candidates who did not pass their examination and are retaking the examination need to pay the full Examination Fee.

Failing to Report for an Examination



If you fail to report for an examination, you will forfeit all fees paid to take the examination. A completed application form and examination fee are required to reapply for the examination.

EXAMINATION FEES

Fee Type	Amount	Details
Application Fee	US \$295.00	<ul style="list-style-type: none"> • Non-refundable • Non-transferable • Includes testing center fees • Includes non-refundable \$75 administrative fee
Rescheduling Fee (29-5 days prior to scheduled appointment; see page 8)	US \$50.00	<ul style="list-style-type: none"> • Applies to candidates who need to move their appointment within their current testing period • Payable directly to Prometric • Reschedule with Prometric online or over the phone
Transfer Fee (Moving to a new testing period; see page 9)	US \$225.00	<ul style="list-style-type: none"> • Applies to candidates who need to move to a new testing period • Must submit new application & fee to PTC

There will be no refund of fees unless applicants are ineligible for the examination.

Ineligible candidates will be refunded their fees minus an administrative fee.

No refunds will be issued for applying for the incorrect examination or testing period, for failing to make an examination appointment, or for failing to appear at your scheduled appointment.



Be advised: Prometric does not have the authority to grant transfers to another testing period or refunds.

TEST ACCOMMODATIONS

AMDAPP and PTC support the intent of and comply with the Americans with Disabilities Act (ADA) and will take steps reasonably necessary to make testing accessible to persons with disabilities covered under the ADA. According to the ADA, an individual with a disability is a person who has a physical or mental impairment that substantially limits a major life activity (such as seeing, hearing, learning, reading, concentrating, or walking) or a major bodily function (such as neurological, endocrine, or digestive system).

The information you provide and any documentation regarding your disability and test accommodations is confidential and is not included in scoring or reporting.

All approved testing accommodations must maintain the psychometric nature and security of the examination. Accommodations that fundamentally alter the nature or security of the exam will not be granted. Note that accommodations for an examination (test accommodations) may not be the same as accommodations provided by your employer for your job. You can find more information about testing accommodations under the Americans with Disabilities Act (www.ada.gov).

Requests for Test Accommodations must be uploaded with the candidate's application and fees at least 8 weeks before the start of your testing period. You must complete and upload both Part 1 and Part 2 of this Form at the same time. Missing information or incomplete Forms will result in a delay in processing.

If your Form is incomplete and/or not received at least 8 weeks before the start of the testing period, we cannot guarantee that we can make these test accommodations in time for you to test and you may need to transfer to another testing period and pay the transfer fee.

To request test accommodations, follow these 3 steps:

1. Download the Request for Test Accommodations Form, available from www.ptcny.com or by calling PTC at (212) 356-0660.
2. Complete Test Accommodations Form with your doctor/healthcare professional.
3. Upload the completed and signed Request for Test Accommodations Form with the online exam application. Submit your application at least 8 weeks prior to the start of your chosen testing period.

NOTES:

- Only those requests made and received on the official Request for Test Accommodations Form will be reviewed.
- All requests must be made at the time of application. Accommodations cannot be added to an existing exam appointment.
- Do not go to www.prometric.com or contact Prometric to request test accommodations as they are not authorized to approve accommodations. All requests for test accommodations must be submitted on the PTC Request Form.

- If you need to use your cell phone or another electronic device to monitor a medical condition, such as diabetes, please be sure to include this on Part 1 of the Request for Test Accommodations Form so that we can notify Prometric in advance.
- If you are a nursing parent and will need to use a breast pump during your exam, please complete Part 1 of the Request for Test Accommodations Form and submit it at least 8 weeks before your testing period to allow time to make suitable arrangements at the test center.
- Only pre-approved test accommodations will be permitted on the day of the examination. Test center personnel are not authorized to make any changes to the test accommodations on the day of the testing session and any such change may result in your examination score being canceled.

PREPARING FOR THE EXAMINATION

- Check your driver’s license, passport, non-driver state issued ID or U.S. Military ID.
 - Is it expired?
 - Does the first and last name on your ID match the first and last name on your Scheduling Authorization email?
 - Proctors at the Prometric testing center will refuse admission to candidates with expired ID, IDs with names that do not match their records, and temporary paper IDs.
Candidates will be marked as no-shows and will forfeit their exam fees.
- Check your PTC Scheduling Authorization email and Prometric Appointment Confirmation email to make sure everything is accurate (i.e., your first and last name, exam name, appointment date, time and location).
- Make yourself familiar with the location of your test center and parking options and check the weather and traffic conditions before you leave for the test center. Allow plenty of time as late arrival may prevent you from testing.
- In the event of inclement weather, check the Prometric website for site closures: <https://www.prometric.com/closures>
- Prometric’s website provides information on what you can expect on your test day, including a walkthrough of check in and security procedures: <https://www.prometric.com/test-center-security>.
- This Handbook provides the Content Outline for the Examination (see appendix). Use this to help you start studying for the examination.
- Review What to Expect at the Test Center and Rules for the Examination on the next pages before your appointment.
- Review the Prometric exam software tutorial here: <https://ptcny.com/pdf/prometricsoftwaretutorial.pdf>

Testing via Live Remote Proctoring

- Be sure to check your system compatibility BEFORE you schedule and again before your appointment.
- The check in process is about 30 minutes long and is not factored into your appointment. Be sure to log into ProProctor to start your exam at least 30 minutes prior to your appointment time.
- Candidates are not permitted to take a break during the examination except during the scheduled 15-minute break between sections of the exam. Candidates MUST notify the proctor before leaving camera view for this break and at the end of the examination. **CANDIDATES MUST VERBALLY NOTIFY THE PROCTOR BEFORE LEAVING CAMERA VIEW.** Failure to do so may result in termination of your examination and nullifying scores.
- **No scratch paper is allowed.** Be sure your workspace is clear of any extra items and electronic devices except for your government issued photo ID.
- Read the Live Remote Proctoring FAQs here: <https://ptcny.com/remote-proctor-faqs/>

WHAT TO EXPECT AT THE TESTING CENTER

- Candidate Check-In
 - Candidates will be asked to:
 - present their IDs.
 - empty and turn out their pockets.
 - walk through a metal detector or get “wanded”.
 - Eyeglasses, jewelry, and other accessories will be inspected.
 - Jewelry other than wedding and engagement rings is prohibited.
 - Leave these at home or place them in your locker.
 - Religious headwear may be worn into the testing room; however, it is subject to inspection by test center staff.
 - Prometric provides lockers to store purses, backpacks, mobile phones, jackets, food, drinks and medical supplies.
 - Water in a clear plastic containers (no labels) may be brought into the testing room.
- During the Exam
 - No breaks are scheduled during the exam.
 - Candidates are only permitted to leave the testing room to use the restroom or access food, drink, or medicine from their assigned locker. The exam timer will NOT be paused.
 - Smoking is prohibited at the testing center.
 - All examinations are monitored and may be recorded in both audio and video format.
- Keep in mind:
 - Other exams will be administered at the same time as your examination.
 - You may hear ambient noises such as typing, coughing, or people entering and exiting the testing room that cannot be avoided.
 - Prometric is unable to provide a completely noise-free environment.
 - Headphones may be requested to minimize the impact of ambient noise.

- Proctors will periodically walk through the testing room as part of their monitoring process.

See [Prometric's website](#) for more information about what to expect on testing day.

RULES FOR THE EXAMINATION

Read the information below carefully. You are responsible for adhering to the examination rules while at the testing center.

⇒ DO NOT BRING

These items are strictly prohibited at the testing center. Leave these items in your car or your assigned locker.

- Cell phones and all other electronic devices
- Watches
- Jackets/coats/bulky clothing such as sweatshirts
- Hats (except hats worn for religious reasons)
- Jewelry, including watches and wearable technology.



- ⇒ You may NOT access the following at any time during your exam or breaks: papers, books, any reference materials; electronic devices including your cell phone. Candidates may access the following items from their locker: snacks, drinks, medicine, or other personal healthcare items.
- ⇒ No questions concerning content of the examination may be asked during the examination session. Read carefully the directions that are provided on screen at the beginning of the examination session.
- ⇒ You are prohibited from leaving the testing room while your examination is in session, except for going to the restroom. Candidates who do go to their lockers or the restroom will need to repeat the security screening before being permitted to reenter the testing room. **Candidates who leave the center will have their examinations terminated.**
- ⇒ See [Prometric's statement on Test Center Security](#) for more information.

Contact PTC at (212) 356-0660 or www.ptcny.com/contact with any questions about the Examination Rules.

Irregular or improper behavior that is observed, made apparent by statistical analysis, or uncovered by other means before, during, or after the examination will be considered a violation of these rules and may constitute grounds for invalidation of a candidate's examination. AMDAPP will initiate an investigation and request suitable analyses and appropriate documentation.

TESTING CONDITIONS OR EXAMINATION FEEDBACK

Any candidate who feels that the examination effort was negatively impacted by the test center conditions should notify the proctor immediately. The situation should also be reported to PTC at www.ptcny.com/contact within 15 business days of the test appointment. Any comments about the test itself should also be reported to PTC at www.ptcny.com/contact within 15 business days of the test appointment.

REPORT OF RESULTS

Candidates will be notified via email by PTC within approximately 4 weeks after the test period ends whether they have passed or failed the examination. Scores on the major areas of the examination and on the total examination will be reported.

Confidentiality of Examination Scores

AMDAPP will release the individual test scores ONLY to the individual candidate. Any questions concerning test results should be referred to AMDAPP or PTC.

Requesting a Score Verification

Candidates who fail the examination may request a verification of their data file. Score verification is a manual check of the data file by the testing service to determine if there have been any errors in scoring. Although the probability of such an error is extremely remote, this service is available. Requests for hand scoring must be received by PTC no later than 90 days after the date of the examination by completing and returning the Exam Score Verification form on www.ptcny.com with payment of \$35. Candidates who fail the examination will not be permitted to see the examination questions. For reasons of test security, no candidate is allowed to review the examination or any of its items.

To ensure correct reporting of results, PTC automatically performs score verifications of candidates who score within 3 points of passing as a quality control measure. Thus, it is extremely doubtful that any examination results will change from “fail” to “pass” through score verification.

Reexamination

The CMRD Examination may be taken as often as desired, upon filing of a new Application and fee. There is no limit to the number of times the examination may be repeated.

SCORING PROCEDURE

Prior to administration of the examination, representatives from the AMDAPP Certification Committee and the Professional Testing Corporation meet to review all test items for accuracy. At this meeting, the passing score for the examination is set using recognized psychometric methods. The passing score represents the number of test items determined necessary for the candidate to answer correctly to be considered as having minimal basic knowledge in movement and related disorders.

In order to protect the security and integrity of the certification examination, neither AMDAPP nor the Professional Testing Corporation will release examination items, candidate responses, or keys to any candidate or agency.

Setting the Passing Score

The passing score for the CMRD Examination has been reviewed and approved by AMDAPP and has been determined using a criterion-referenced methodology.

EXAMINATION SECURITY

Candidates seeking admission to take the examination do so for the purpose of pursuing certification, and for no other purpose. Because of the confidential nature of the examination, candidates may not make or keep copies, excerpts, or notes of examination materials, and may not use or divulge information learned from the examination. The examination is the exclusive property of AMDAPP and candidates may not use examination information in any way without the express prior written consent of AMDAPP.

The CMRD examination is confidential. Candidates are required to sign a confidentiality agreement prior to the start of the examination.

Candidates agree to abide by the testing rules in effect at the time of their test appointment. AMDAPP, PTC, and/or Prometric staff may refuse a candidate admission to the examination if they do not have the proper identification as detailed in the Candidate Handbook. Candidates who do not abide by the testing rules may have their exam terminated during the exam administration in order to maintain a secure and proper exam administration and/or have their exam scores invalidated.

ATTAINMENT OF CERTIFICATION & RECERTIFICATION

Eligible candidates who pass the Certification Examination in Movement and Related Disorders are eligible to use the registered designation CMRD after their names and will receive electronic certificates and digital badges from AMDAPP. A registry of CMRD certificants will be maintained by AMDAPP and may be reported in its publications.

Certification as a CMRD is recognized for a period of five years at which time the candidate must retake and pass the current CMRD Examination or meet such alternative requirements as are in effect at that time in order to retain certification. Additional information can be found at <http://www.ptcny.com/test-sponsors/AMDAPP>.

REVOCAION OF CERTIFICATION

Certification will be revoked for any of the following reasons:

1. Falsification of Application.
2. Revocation of current healthcare credential or license.
3. Misrepresentation of certification status.

The Appeals Committee of the AMDAPP provides the appeal mechanism for challenging revocation of Board Certification. It is the responsibility of the individual to initiate this process.

CONTENT OF THE EXAMINATION

The CMRD Examination is a computer-based examination composed of a maximum of 175 multiple-choice, objective questions, of which 150 are scored items and 25 are unscored pretest items. The examination has a total testing time of three hours. The content for the examination is described in the Content Outline on the next page.

The questions for the examination are obtained from individuals with expertise in movement and related disorders and are reviewed for construction, accuracy, and appropriateness by AMDAPP.

AMDAPP, with the advice and assistance of the Professional Testing Corporation, prepares the examination.

The Certification Examination in Movement and Related Disorders will be weighted in approximately the following manner:

01.	Patient Assessment and Diagnosis	25%
02.	Treatment and Management	36%
03.	Advanced Therapies and Care Planning	17%
04.	Patient and Care Partner Education	22%

CMRD EXAMINATION CONTENT OUTLINE

Domain 01: Patient Assessment and Diagnosis (25%)

- A. Take patient history (including clinical, family, social (including employment, military, substance use), age of onset, genetics, gender, environmental history, medication, other)
- B. Identify key characteristics, including presenting symptoms, of possible movement disorders (including idiopathic Parkinson disease and atypical parkinsonian disorders)
- C. Conduct complete neurological examination and focused movement disorder examination
- D. Conduct physical exam focused on movement disorders (including for tremor, walking, rigidity, other)
- E. Order and/or review diagnostic tests, as appropriate (including MRI, DATScan, EMG, blood tests, syn-1 biopsy, genetic testing, other)
- F. Perform cognitive testing (including MMSE, MOCA, depression/anxiety screening, other)
- G. Perform differential diagnosis
- H. Perform ongoing assessment of a patient, including observing and assessing motor and nonmotor status of a patient, from initial diagnosis to end-of-life
- I. Perform and interpret scales for movement related disorders (including UPDRS, TRS, UDRS, UHDRS)
- J. Refer to appropriate specialist if condition is neurological but not movement disorder related
- K. Identify non-movement related causes that might exacerbate a patient's movement disorder (including infection or extreme stress on the body)

Tasks in Domain 01 draw upon the following Knowledge Areas:

K01 Anatomy and physiology

K02 Clinical evaluation of movement disorders and interpretation of findings

K03 Parkinson's disease and parkinsonism

K04 Other movement disorders [including hyperkinesia, tremor, chorea, tics, myoclonus, gait disorders, dystonia, Huntington, ataxia, restless leg syndrome (RLS)/peripheral movement disorders, psychogenic disorders, other]

K05 Pathogenesis and pathophysiology

K06 Epidemiology and risk factors

K07 Clinical features

K08 Diagnostic evaluation and workup, such as neuroimaging, laboratory studies

K09 Differential diagnosis (including PSP, NPH, vascular parkinsonism, MSA, Lewy Body dementia, functional and drug-induced disorders, other)

K10 Pharmacology

K11 Nonpharmacological treatments and advanced therapies

K12 Scales for assessing movement and related disorders [including UPDRS, FTM Tremor Scale, UHDRS, Simplified Functional Movement Disorder (FMD) scale, MoCA/MMSE, other]

Domain 02: Treatment and Management (36%)

- A. Properly prescribe medication using clinical judgement to address a patient's symptoms
- B. Recognize role of each allied health therapy and appropriately utilize each therapy for a patient's condition (including physical therapy, occupational therapy, speech therapy, social work, etc.)
- C. Identify appropriate pharmacological treatment for motor symptoms (including mechanism of action, benefits, and side effects of dopamine agonists, levodopa-based therapies, MAOB inhibitors, VMAT-2 inhibitors, COMT inhibitors, adenosine inhibitors, glutamate inhibitors, other)
- D. Identify appropriate nonpharmacological treatment for motor symptoms (including assistive devices, exercise, diet, other)
- E. Identify appropriate pharmacological treatment for nonmotor symptoms (including mechanism of action, benefits, and side effects of acetylcholinesterase inhibitors; atypical antipsychotics; SSRIs, SNRIs; B3 agonists; medical marijuana; medications for sleep dysfunction, bowel dysfunction, orthostatic hypotension, sialorrhea; other)
- F. Identify appropriate nonpharmacological treatment for nonmotor symptoms (including diet, sleep hygiene, exercise, hydration, treatments for sialorrhea, orthostatic hypotension, bowel dysfunction, sleep dysfunction, other)
- G. Address current chief complaints and reassess current treatment for possible modifications
- H. Conduct review of systems on ongoing basis to identify current status of a patient
- I. Identify a patient's needs on ongoing basis and suggest possible options for management of symptoms
- J. Conduct review of current medications to identify possible sources of a patient's complaints
- K. Assess a patient's lifestyle and quality of life to determine potential modifications to the care plan

Tasks in Domain 02 draw upon the following Knowledge Areas:

- K02 Clinical evaluation of movement disorders and interpretation of findings
- K03 Parkinson's disease and parkinsonism
- K04 Other movement disorders [including hyperkinesia, tremor, chorea, tics, myoclonus, gait disorders, dystonia, Huntington, ataxia, restless leg syndrome (RLS)/peripheral movement disorders, psychogenic disorders, other]
- K05 Pathogenesis and pathophysiology
- K07 Clinical features
- K10 Pharmacology
- K11 Nonpharmacological treatments and advanced therapies
- K12 Scales for assessing movement and related disorders [including UPDRS, FTM Tremor Scale, UHDRS, Simplified Functional Movement Disorder (FMD) scale, MoCA/MMSE, other]

Domain 03: Advanced Therapies and Care Planning (17%)

- A. General Advanced Therapies
 - 1. Identify advanced therapies, beyond oral therapies, that would be appropriate for an individual patient
 - 2. Recognize possible indications and side effects of other advanced therapies
- B. Deep Brain Stimulation (DBS) Therapy
 - 1. Identify appropriate deep brain stimulation (DBS) target sites for Parkinson symptoms vs. tremor, vs. dystonia
 - 2. Perform initial deep brain stimulation (DBS) programming session (using monopolar review, local field potentials, image guided programming evaluations, as appropriate)
 - 3. Perform subsequent deep brain stimulation (DBS) programming sessions
 - 4. Reassess a patient after deep brain stimulation (DBS) DBS session to ensure proper results and functioning of DBS system
 - 5. Recognize possible indications and side effects of deep brain stimulation (DBS)
 - 6. Recognize medical safety issues with deep brain stimulation systems (MRI, surgical/procedure guidelines, possible EKG interference, etc.)
 - 7. Evaluate impedance and battery longevity and/or recommend for IPG replacement when appropriate
- C. Duopa Therapy
 - 1. Perform initial Duopa programming session
 - 2. Perform subsequent Duopa programming sessions
 - 3. Reassess a patient after Duopa session to ensure proper results and functioning of Duopa system
 - 4. Recognize possible indications and side effects of Duopa therapy
- D. Botulinum Toxin Therapy
 - 1. Recognize possible indications and side effects of botulinum toxin
- E. Focused Ultrasound
 - 1. Recognize possible indications and side effects of focused ultrasound therapy

Tasks in Domain 03 draw upon the following Knowledge Areas:

K03 Parkinson's disease and parkinsonism

K04 Other movement disorders [including hyperkinesia, tremor, chorea, tics, myoclonus, gait disorders, dystonia, Huntington, ataxia, restless leg syndrome (RLS)/peripheral movement disorders, psychogenic disorders, other]

K10 Pharmacology

K11 Nonpharmacological treatments and advanced therapies

K13 Advanced therapies (including work-up and candidacy for therapies)

Domain 04: Patient and Care Partner Education (22%)

- A. Discuss and establish goals and expectations with a patient and care partner(s)
- B. Educate a patient and care partners on natural history/progression of specific disorders, from initial diagnosis to end-of-life
- C. Educate a patient and care partners on disease characteristics, etiology, progression, , diagnostic criteria, other
- D. Educate a patient and care partners on medication classes, dosing, and treatment strategies
- E. Educate a patient and care partners on importance of nonpharmacological treatments (including PT/OT/ST, exercise, nutrition, biofeedback, other)
- F. Educate a patient and care partners on advanced therapies (including candidacy, process of approval/team approach, symptoms treated, treatment plan and follow-up requirements, other)
- G. Promote patient empowerment

Tasks in Domain 04 draw upon the following Knowledge Areas:

K03 Parkinson's disease and parkinsonism

K04 Other movement disorders [including hyperkinesia, tremor, chorea, tics, myoclonus, gait disorders, dystonia, Huntington, ataxia, restless leg syndrome (RLS)/peripheral movement disorders, psychogenic disorders, other]

K06 Epidemiology and risk factors

K10 Pharmacology

K11 Nonpharmacological treatments and advanced therapies

K13 Advanced therapies (including work-up and candidacy for therapies)

K14 Adaptation of educational approach to patient/caregiver learning styles

SAMPLE EXAMINATION QUESTIONS

In the following questions, choose the one best answer.

-
1. Which of the following comments from a patient with Parkinson's disease would NOT indicate that the patient is experiencing wearing off?
1. I wake up and it takes a long time for my medicine to "kick in;" usually it takes me two hours to get ready in the morning
 2. One hour before my next dose my tremor comes back
 3. I notice if I take my L-Dopa with meals it takes longer to "kick in"
 4. I notice 40 minutes after I take my L-Dopa the dyskinesia starts
-
2. Which of the following are the two most common genes associated with increased risk of Parkinson's disease?
1. LRRK2 & SNCA
 2. MGUS & CMT1
 3. APOE4 & Ttau
 4. SCA1 & SCA2
-
3. A patient with Parkinson's disease has a strong family history of Parkinson's disease and asks what percentage of Parkinson's disease is caused by genetic mutations. Which of the following is the most appropriate response?
1. 1 – 5%
 2. 5 – 10%
 3. 10 – 15%
 4. 15 – 20%
-
4. A patient who was diagnosed with cervical dystonia asks if there is any treatment that may improve the pulling in his neck. Which of the following treatments is the most appropriate option for this patient?
1. Carbidopa/levodopa 25/100 tid
 2. Amoxicillin 500 mg qd
 3. Botulinum toxin injections every three months
 4. Extended release glutamate inhibitor

Continued

5. A patient presents with a diagnosis of essential tremor. Their previous clinician prescribed Clonazepam 0.5 mg tid to help control the tremor. Which of the following medications might be a more appropriate option to treat this patient's tremor?

1. Propanolol 20 mg tid
2. Topomax 100 tid
3. Florinef 0.1 mg tid
4. Metformin 100 qd

ANSWER KEY	
Q	A
1	4
2	1
3	3
4	3
5	1

REFERENCES

The Association of Movement Disorder Advanced Practice Providers (AMDAPP) has prepared a suggested reference list to assist in preparing for the Certification Examination in Movement and Related Disorders. These references contain journals and textbooks which include information of significance to the care of patients with movement disorders. Inclusion of certain journals and textbooks on this list does not constitute an endorsement by AMDAPP of specific professional literature which, if used, would guarantee candidates successful passing of the certification examination. The list does not attempt to include all acceptable references nor is it suggested that the examination questions are necessarily based on these references.

JOURNALS	
npj Parkinson's disease	https://www.nature.com/npjparkd/
New England Journal of Medicine	https://www.nejm.org/
Neurology	http://www.neurology.org
Movement Disorders	https://www.movementdisorders.org/MDS/Journals/Online-MD-Journal.htm
Parkinsonism and Related Disorders	https://www.prd-journal.com/
WEBSITES	
Association of Movement Disorder Advanced Practice Providers (AMDAPP)	https://www.amdapp.org/
International Parkinson & Movement Disorder Society	https://www.movementdisorders.org/
Parkinson & Movement Disorder Alliance	https://www.pmdalliance.org/
Parkinson's Foundation	https://www.parkinson.org/
American Academy of Neurology	https://www.aan.com/
Michael J Fox Foundation	https://www.michaeljfox.org/
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BOOKS	
Principles and Practice of Movement Disorders: Expert Consult 3rd Edition by Joseph Jankovic MD, Mark Hallett, Michael S Okun, Cynthia L. Comella MD, Stanley Fahn MD. 2021	
Ending Parkinson's Disease: A Prescription for Action Hardcover –2020 by Ray Dorsey MD, Todd Sherer PhD, Michael S. Okun MD, Bastiaan R. Bloem MD PhD	
JOURNAL ARTICLES	

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Kyle, K., & Bronstein, J. M. (2020). Treatment of psychosis in Parkinson's disease and dementia with Lewy bodies: A review. *Parkinsonism & Related Disorders*.
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Weise, D., Claus, I., Dresel, C. *et al*. Multidisciplinary care in Parkinson's disease. *J Neural Transm* (2024). <https://doi.org/10.1007/s00702-024-02807-w>

OTHER PUBLICATIONS

<https://www.neurologylive.com/view/managing-psychosis-in-parkinson-disease-challenges-and-opportunities>

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