



AMERICAN BOARD OF EMERGENCY MEDICINE

**EXAMINATION
INFORMATION FOR
CANDIDATES**

Qualifying Examination
November 7 – 12, 2011



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A MEMBER BOARD OF THE AMERICAN BOARD OF MEDICAL SPECIALTIES (ABMS)

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Introduction

You have received this book because you have registered to take the American Board of Emergency Medicine (ABEM) 2011 qualifying examination during the week of November 7-12, 2011. The qualifying examination is a secure, proctored examination administered on computers in testing centers. Candidates are required to pass the qualifying examination, then take and pass the oral certification examination to become certified by ABEM.

The purpose of this book is to provide you with the information you need to prepare for and take the qualifying examination. This book also contains information to help you schedule, reschedule, or cancel your individual examination appointment. It includes links to the ABEM policies that apply to the qualifying examination.

SECTION 1: Qualifying Examination Logistics

Examination Scheduling

The 2011 qualifying examination administration is from November 7 - 12, 2011. Each candidate who has registered for the examination with ABEM must schedule a specific eight-hour appointment with ABEM's testing vendor, Pearson VUE, to take the qualifying examination during that six-day period. The examination will be held in over 200 Pearson VUE professional testing centers across the United States. Testing center locations can be found on Pearson VUE's web page, www.pearsonvue.com/abem/locate. The hours of operation and available appointment times vary from one testing center to another.

If you have not already scheduled your appointment, ABEM urges you to schedule soon to increase your chance of receiving the appointment of your choice. You must schedule at least 24 hours prior to the day on which you want to take the examination. You should schedule your appointment by calling Pearson VUE at 877.378.8378, Monday through Friday, between 7:00 a.m. and 7:00 p.m. Central Time. Pearson VUE staff will ask you for your contact information for identification purposes. You must provide the contact information currently on file with ABEM.

Scheduling with ADA Accommodations

If you have requested accommodations under the Americans with Disabilities Act, ABEM must schedule your examination appointment for you. Pearson VUE cannot schedule or change appointments for candidates testing under special circumstances directly with the candidate.

If you need an accommodation for the 2011 qualifying examination, please submit your request immediately. There is limited seating for candidates testing under special circumstances and submitting your request as early as possible will help to ensure a seat close to your work or home.

Examination Rescheduling

If you have scheduled your appointment to take the qualifying examination and wish to reschedule it, you may do so by calling the Pearson VUE call center at 877.378.8378. You should reschedule as early as possible to increase your chance of receiving the appointment of your choice. For each time you wish to reschedule less than 24 hours before your original appointment, ABEM will charge you a rescheduling fee of \$145.00. See the ABEM [Policy on Fees](#), a link to which is also in Section 3: Examination-Related Policies of this book.

Rescheduling Due to ABEM or Pearson VUE Cancellation

In the unlikely event ABEM or Pearson VUE must cancel your appointment due to an emergency, ABEM will provide you with an opportunity to reschedule within the same examination administration. If you choose not to reschedule, ABEM cannot guarantee a refund of your examination fee. See the ABEM [Policy on Examination Administration in Testing Centers](#) and the [Policy on Fees](#).

Rescheduling Due to Late Arrival for the Examination Appointment

If you arrive for your qualifying examination appointment more than 30 minutes after your scheduled appointment time, the testing center may not be able to seat you at that time. You may reschedule your appointment within the November 7 - 12, 2011 examination administration if appointments are available. ABEM will charge you a \$145 rescheduling fee.

Examination Appointment Cancellation

If you need to cancel your appointment to take the qualifying examination, call Pearson VUE at 877.378.8378. If you do not intend to take the 2011 qualifying examination, you may obtain a refund of your examination fee less a 10% administrative fee, by first cancelling your examination appointment with Pearson VUE, then notifying ABEM in writing and requesting the fee refund. Your letter must be postmarked at least one day prior to the day on which you were originally scheduled to take the examination. See the ABEM [Policy on Fees](#).

Withdrawing from the Qualifying Examination

Candidates who applied for certification in or after 2009, or candidates who applied for certification prior to 2009 and took the qualifying examination in 2009 or 2010, but did not pass it, are not required by ABEM policy to take the qualifying examination in 2011. If ABEM does not require you take the examination in 2011, and you do not take it, your status with ABEM will become inactive. To take the qualifying examination in a future year, you must reactivate your status. Please see the [Policy on Maintaining Open and Active Certification Applications](#) for more detail on how to reactivate your status to take a future qualifying examination.

If ABEM policy requires you take the examination in 2011, but you do not take it, your certification application on file with ABEM will be permanently closed. If your file is closed, you cannot take certification examinations. To regain access to certification examinations, you would have to reapply for certification, fulfilling the ABEM credentialing requirements current at the time of application. Please see the [Policy on Maintaining Open and Active Certification Applications](#) for more detail.

Medical Licensure

Throughout the time you are attempting to earn ABEM certification, you must continuously hold at least one current, active license to practice medicine in at least one jurisdiction in the United States, its territories, or Canada, and in each jurisdiction in which you practice. All licenses you hold must be valid, unrestricted, and unqualified. However, if you completed your EM training after October 31, 2010, you are not required to hold a medical license to take the 2011 qualifying examination. If you entered a fellowship program within six months of completing your EM residency training and you are currently enrolled in the fellowship, you are not required to hold a medical license to take the 2011 qualifying examination. If you are not required to hold a medical license, but hold one or more licenses, they must be reported to ABEM and must be valid, unrestricted, and unqualified. If any of your licensure

information changes prior to your appointment to take the qualifying examination, you must update the information through your Personal Access Page on the ABEM website, www.abem.org. You will need to sign in using your ABEM User ID and password.

Maintaining Address and Other Contact Information

In order to ensure timely communication from ABEM, you must maintain a current email address, mailing address, and telephone number with ABEM. You may update your contact information through www.abem.org. You will need to sign in using your ABEM User ID and password. You may also update your contact information by sending ABEM a signed letter requesting a change.

What to Take to the Examination

In order to take the qualifying examination, you must present one valid, current piece of government-issued, pictured, signed identification at the Pearson VUE testing center at the time of your examination. Any of the following would be acceptable:

- Driver's license
- State identification card
- Passport
- Military identification

The following types of ID are not acceptable:

- Employee identification badges
- Hospital identification
- School IDs
- Alien registration cards
- Credit cards

You may take health-related items you will need, such as eyeglasses and hearing aids, into the testing room. The test administrator reserves the right to inspect these and any other health-related items such as facial tissues and cough drops, before allowing you to enter the testing room with them.

You may not take paper, pens, or pencils into the examination room. You will be provided with a laminated dry-erase board and marker to use during the examination. Your examination answers will be recorded using a computer.

Prohibited Items

No items or materials will be allowed in the testing room other than the health-related items described above. Prohibited items include, but are not limited to:

- cell phones, smartphones, beepers, or pagers
- PDAs such as Palm, Blackberry, or any personal information device
- computers and electronic information storage system devices of any kind
- cameras or recording devices of any type
- MP3 players, iPods, or CD players
- calculators or timepieces with calculators
- coats, backpacks, briefcases, purses, wallets, or "fanny" packs
- luggage
- notepaper, pens or pencils, books, study materials, or this *Examination Information for Candidates* book

Prohibited electronic items are not permitted in the testing room even if turned off.

If a candidate is found to be in possession of any prohibited items in the testing room, or at any time during the examination appointment (with the exception of food and beverages), the test administrator is obligated to report such incidents to ABEM. ABEM may choose to disallow or discontinue that candidate's examination and charge the candidate with irregular behavior under the terms of the ABEM [Policy on Examination Irregularities](#).

Any personal items candidates take to the testing center may be stored outside the testing room for the duration of the examination appointment in small, secure lockers provided by the testing center. Candidates are permitted to take storage locker keys into the testing room.

Guests

Guests are not permitted in the testing center.

Check-in at the Examination

You are expected to arrive at the testing center 30 minutes prior to your examination appointment. You must check in when you arrive. ABEM does not issue candidates an "entrance ticket" or identification number to take to the examination; however, you may present your appointment confirmation notice to the test administrator to expedite the check-in process.

The test administrator will review your government-issued pictured identification, and will take your digital photograph, signature, and an infrared palm vein image. The name on your government-issued identification must match the name you have provided to ABEM and which Pearson VUE now has on file. You should allow time to store personal items and items prohibited from the testing room in a secure locker provided within the testing center. After reviewing the testing center's rules of agreement, you will be provided with a laminated dry-erase board and marker for taking notes during the examination.

If you have received ABEM approval for testing accommodations, notify the test administrator at check-in. It may be helpful to present the letter from ABEM confirming the nature of accommodations granted.

Security at the Testing Center

To protect examination validity and to ensure a consistent, fair examination administration across all its testing centers, Pearson VUE maintains strict security measures, including tight restrictions on what personal items may be taken into the testing room. These security procedures also include multiple checks to confirm each examinee's identity, such as taking a digital signature, photograph, and an infrared palm vein image. Note this information is used solely for the purpose of confirming identity, is held in the strictest confidence by Pearson VUE, and is not released to any third parties. These security procedures are standard and routine for all candidates at Pearson VUE testing centers and are in no way tailored to individual candidates.

Preliminary Activities Related to the Examination Administration

Once the check-in process is complete, the test administrator will seat you in the testing room. Each qualifying examination appointment is eight hours in length. Only six hours and twenty minutes of this time is actual testing time. One hour and forty minutes of the appointment time is devoted to a candidate break and the following accessory activities related to the examination administration:

Policy on Examination Irregularities

Candidates must read and agree to abide by the terms of the ABEM [Policy on Examination Irregularities](#) before being allowed to take the qualifying examination. The policy will be shown on your computer screen with instructions to indicate your agreement to abide by the policy. If you do not agree to abide by this policy, your examination appointment will be terminated, and you will not be allowed to take the qualifying examination. ABEM strongly recommends you familiarize yourself with this important policy before going to your examination appointment. A link to the ABEM [Policy on Examination Irregularities](#) is also included in Section 3: Examination-Related Policies of this book.

Test Tutorial

A test tutorial is provided at the start of the examination appointment to help candidates become familiar with the computer format of the qualifying examination. Although the tutorial is optional, ABEM strongly recommends each candidate take it, since the tutorial will help candidates take the examination in an efficient manner. If you choose not to take the tutorial, no additional testing time beyond the standard six hours and twenty minutes will be allowed for taking the qualifying examination itself.

Examination Instructions

There is a brief summary of important facts immediately preceding the start of the examination and the second section of the examination after the scheduled break. This includes the number of examination questions, procedures for leaving the testing room, and other information related to taking the qualifying examination.

Candidate Questionnaire

A brief, optional survey is available after taking the qualifying examination. Although this questionnaire is optional, ABEM encourages you to complete it so the Board can benefit from your experience in registering for, scheduling, and taking the qualifying examination. As with the tutorial, if you choose not to complete this questionnaire, no additional testing time beyond the standard six hours and twenty minutes will be allowed for taking the qualifying examination itself.

Examination Time

Once a candidate agrees to the ABEM [Policy on Examination Irregularities](#), takes the tutorial, and reads the examination instructions, he or she will begin the qualifying examination. The qualifying examination has a total of six hours and twenty minutes of testing time divided into two separately-timed sections, or books, of three hours and ten minutes each.

You can track your remaining testing time by referring to the examination timer in the upper-right corner of the computer screen. You are responsible for keeping track of your remaining testing time. One notification will appear on-screen when twenty minutes of testing time remains in each book of the examination. These will be the only notifications you will receive of testing time remaining. Once you complete and exit the first examination book, you cannot go back to it later to change or review your answers.

Candidate Breaks

A one-hour break is scheduled between the two sections of the examination; that is, a break is scheduled midway through the six-hour and twenty-minute testing session. This scheduled break is optional, and if you choose to take a break you are not required to take the full hour of allotted break time. Candidates are free to leave the testing center during this scheduled break but must be sure to return to the testing center within one hour or risk losing testing time on the remainder of the examination. The timer for the second, book two section of the examination will begin immediately following the expiration of the one-hour break, regardless of whether or not the candidate has returned to their seat.

If you choose not to take a break after completing the first examination section, you may continue on to the second section of the examination.

Leaving the Testing Room

Candidates may leave the testing room during the examination appointment after notifying the test administrator. However, the examination timer will remain running while the candidate is out of the testing room, except when they are on the scheduled one-hour break. Candidates may not leave the building during any unscheduled breaks and may access stored personal items only if they do not include prohibited items.

Candidates are required to provide an infrared palm vein image when they re-enter the testing room.

Candidates who finish the examination early may leave the testing room. Once you check out of the testing center and receive an examination confirmation receipt, you may not re-enter the testing room.

Examination Closing Activities

When a candidate completes the qualifying examination, whether at the end of the fully scheduled testing time or earlier, he or she will leave the testing room. Before leaving the testing center, the candidate must return the dry-erase board that he or she received upon entering the testing room. The test administrator gives each candidate an examination confirmation receipt. Locker keys must be returned to the locker.

No Smoking

Smoking is not allowed in the testing center.

Refreshments

Refreshments are not provided. Food and/or drink are not permitted in the testing room. Snacks may be stored in the small lockers provided by the testing center and may be accessed as needed by taking breaks during the examination.

Telephone and Emergency Contact during the Examination

Candidates are forbidden to make or receive telephone calls during their examination appointments except during the scheduled one-hour break.

Messages will not be given to candidates during their examination appointments unless it is an emergency. If the testing center receives a message for a candidate, the test administrator will give the candidate the message when the candidate has completed the examination and has checked out.

Section 2: Examination Information

Qualifying Examination Content and Format

The qualifying examination is administered via computer at Pearson VUE professional testing centers across the United States and Canada. The examination administration takes approximately eight hours, of which six hours and twenty minutes is actual testing time. The qualifying examination is a comprehensive Emergency Medicine examination.

The qualifying examination contains approximately 305 single-best-answer, standard multiple-choice questions. Each question is in paragraph form with an answer set containing one correct answer and four incorrect answers. All questions are positively-worded.

The examination is divided into two sections or books, each separately timed and each lasting three hours and ten minutes. Once a candidate completes one timed book of the examination they cannot return to it to review answers. Each book of the examination consists of both pictorial and non-pictorial multiple-choice questions. Pictorial questions refer to stimulus images, such as photos of x-rays, EKGs, rhythm strips, pictures, etc. These images will be presented along with the relevant test question on the computer screen.

Candidates will be provided with a laminated dry-erase board and marker for notes during the check-in process. Two reference documents are also available to candidates during the examination and can be accessed by clicking on a button on the computer screen: a list of common abbreviations used in the examination, and a list of normal laboratory values.

Answering Examination Questions

All information necessary to answer each question will be provided as a part of the computer-delivered qualifying examination. Each question has only one correct answer. Only one answer may be selected for each question in the examination, and candidates should answer as many questions as possible. Each question answered correctly is counted in the total correct score. Unanswered questions are treated as incorrect. Incorrect answers do not count in the total correct score, nor is there a subtraction from the total correct score for incorrect answers.

Preparation for Taking an Examination in a Testing Center

Pearson VUE Online Test Tutorial

ABEM suggests that, prior to the qualifying examination appointment, candidates go to the Pearson VUE website, www.pearsonvue.com/sponsors/tutorial, and take the standard tutorial. While this tutorial is not identical in format to the ABEM qualifying examination, it provides an example of how a computer-delivered examination appears.

ABEM Test Tutorial During the Examination Appointment

ABEM also recommends each candidate take the optional test tutorial that appears on-screen immediately prior to beginning the examination in the testing center. There is no penalty for taking the tutorial, since all candidates receive the same amount of testing time regardless of whether they take the tutorial or not.

ABEM Optional Computer-Delivered Testing Experience

ABEM also offers an optional, short, computer-delivered testing experience in Pearson VUE testing centers. This offering is designed for candidates who have not previously taken an examination on a computer in a testing center. Physicians will have an opportunity to see how an actual ABEM examination is formatted on the computer, practice navigating a computer-delivered demonstration examination, and experience the same security procedures and opening and closing activities of an actual ABEM examination.

To allow candidates to practice navigating a computer-delivered examination, ABEM provides a 20-25 question demonstration test that candidates can take during the computer-delivered testing experience. The demonstration test is not designed to assist candidates in preparing for the content of an actual ABEM examination. Although the correct answers to the demonstration test questions are provided within the test, the demonstration test will not be scored and the questions do not represent the examination content, subject matter, or level of difficulty of an actual ABEM examination.

Candidates may register for the Optional Computer-Delivered Testing Experience through www.abem.org. The 2011 registration fee for this practice exam administration is \$125. After registering for the Optional Computer-Delivered Testing Experience, you should wait one business day and then call Pearson VUE to schedule an appointment for your practice exam administration. Appointments are available on a first-come, first-served basis through November 11, 2011. Rescheduling or withdrawing from the Optional Computer-Delivered Testing Experience follows the same processes as for the qualifying examination.

Test-Taking Strategies

As you take the qualifying examination, remember that each question is worth one point. Your best strategy for completing the examination is to first complete the initial book of the examination, answering all questions with your initial best answer. You may flag questions you would like to return to for later review. The computer system on which the examination is administered facilitates such a test-taking strategy by requiring one initial pass through an examination book before allowing you to select and go to a specific question in that examination book, in any desired order. Once an initial pass-through of the first book is completed, you may review all of the questions in that book in any order you choose before selecting the “End Review” button to finish the examination book. You can follow this same strategy to complete the second examination book. Note that once you exit an examination book by clicking on the “End Review” button, that section of the exam is completed and you may not re-enter it.

Qualifying Examination Content Specifications

The Model of the Clinical Practice of Emergency Medicine (EM Model) forms the basis of each of ABEM's multiple-choice question examinations. The lists below describe the relative weight given to different elements of the [EM Model](#) in constructing the examinations. The 2009 EM Model is published in *Annals of Emergency Medicine* [Ann Emerg Med. 2011; 57:e1-e15]. It is also available on the ABEM website, [here](#).

Listing of Conditions and Components		
1.0	Signs, Symptoms and Presentations	9%
2.0	Abdominal and Gastrointestinal Disorders	9%
3.0	Cardiovascular Disorders	10%
4.0	Cutaneous Disorders	2%

Listing of Conditions and Components continued...		
5.0	Endocrine, Metabolic, and Nutritional Disorders	3%
6.0	Environmental Disorders	3%
7.0	Head, Ear, Eye, Nose, and Throat Disorders	5%
8.0	Hematologic Disorders	2%
9.0	Immune System Disorders	2%
10.0	Systemic Infectious Disorders	5%
11.0	Musculoskeletal Disorders (Non-traumatic)	3%
12.0	Nervous System Disorders	5%
13.0	Obstetrics and Gynecology	4%
14.0	Psychobehavioral Disorders	3%
15.0	Renal and Urogenital Disorders	3%
16.0	Thoracic-Respiratory Disorders	8%
17.0	Toxicologic Disorders	4%
18.0	Traumatic Disorders	11%
	Appendix I: Procedures and Skills	6%
	Appendix II: Other Components	3%
	Total	100%

Acuity Frames	Target ($\pm 5\%$)
Critical	27%
Emergent	37%
Lower Acuity	27%
None	9%

Physician Tasks

The Board has assigned the following specific percentage weights to the Modifying Factor of age:

- Pediatrics: 8% minimum
- Geriatrics: 4% minimum

The Use of Field-Test Questions on the Examination

To ensure the quality of future examinations, some of the questions on the examination will not have been used on previous examinations. These field-test questions will not be apparent to the candidate. The field-test questions will not be scored. Including them on the examination allows ABEM to conduct research to determine if the questions are appropriate for scoring future examinations.

Examination Criterion and Scoring

The qualifying examination is a criterion-referenced examination. A criterion-referenced examination uses a predetermined *standard*, against which all candidates are judged. All candidates meeting the standard will pass the examination. Quotas or required percentages of candidates passing are not used to determine the passing score.

With a six-day testing window, multiple versions of the qualifying examination are used for security purposes. Any given candidate is unlikely to receive the same version of the examination as another candidate. A statistical process called *equating* will ensure that the standard remains the same for all candidates. Each version of the examination will use a

standard passing score equivalent to the standard of 75% correct, which was used historically for the written certification examination.

In addition to the field-testing process, each question receives a thorough review before it is used in scoring the examination. Questions that do not meet ABEM quality standards are not used in determining candidates' final scores.

Your final score on the qualifying examination will be determined by first adding together the number of scored questions you answered correctly. This number-correct score will be used to determine your final score, which will range from 0 to 100. Any candidate receiving a final score of 75 or greater will pass the examination.

Notification of Examination Results

Qualifying examination candidates will be notified in writing of examination results within 90 days of the last day of the examination administration. ABEM will post on its website, www.abem.org, the date on which results are mailed.

Candidates must maintain an up-to-date address with ABEM to ensure they receive their results in a timely manner.

To ensure the confidentiality of examination results, all information will be sent to candidates in written form. Results will not be provided via telephone, fax, or email.

Hand Scoring Examination Results

It is possible for a candidate to obtain a hand scoring of his or her examination. A hand score consists of calculating a candidate's examination score by hand directly from the file record of responses. Hand scoring an examination does not involve any review of the content of individual candidate responses. This procedure only verifies the accuracy of the computerized process used to calculate the examination score. Candidates are not encouraged to request this service since ABEM's error-checking procedures are extensive and very thorough.

Candidates have a period of one year from the date of the letter communicating their examination results to request a hand score of their examination. Each request must be made in writing to the ABEM office and accompanied by a check or money order made payable to the American Board of Emergency Medicine. ABEM will also accept Visa and MasterCard for payment. Authorization from the cardholder is required and must include cardholder name, billing address, and expiration date. Please contact the ABEM office for the current fee. The candidate must provide his or her full name and the date and name of the examination for which the hand score is being requested. Please allow approximately two weeks for the completion of a hand score.

Statement on Research

ABEM reserves the right to conduct and report research studies of its examinations and its examination data to benefit the specialty and for purposes of quality control and examination development. Individual candidate information will never be reported as part of the research. Your right to confidentiality will be strictly upheld.

ABEM also reserves the right to include in any examination certain questions or cases for the purposes of research and validation. These items will not enter into the scoring for the purpose of earning certification.

Section 3: Examination-Related Policies

[Policy on Maintaining Open and Active Certification Applications](#)

[Policy on Medical Licensure](#)

[Policy on Fees](#)

[Policy on Americans with Disabilities Act](#)

[Policy on Examination Administration in Testing Centers](#)

[Policy on Examination Irregularities](#)

[Policy on Candidate Illness](#)

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[Policy on Candidate Requests for Investigation of a Certification or Maintenance of Certification[®] Examination](#)

[Privacy Statement](#)



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