Diagnostic Part 1 and General Overview of CAMPEP/Residency

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Overview
- CAMPEP
  - New enrollees in the ABR Medical Physics Initial Certification must complete part of training at a CAMPEP institution before becoming board certified
  - CAMPEP imaging residencies have limited space
- Part 1 preparation

CAMPEP and ABR
- 2012/2014 Initiatives
  - Required CAMPEP program enrollment/completion as part of ABR certification
- Where are we today?
  - To register for Part 1, you must be enrolled in or have completed a CAMPEP program (graduate, residency, certificate, DMP)
  - If you took (or will take) Part 1 in 2014 or later, you MUST complete a CAMPEP residency to sit for Part 2
  - If you took Part 1 before 2013, you only need 3 years clinical experience to become “Board Eligible” for Part 2

CAMPEP Residencies
- Currently 17 CAMPEP-accredited imaging residencies
  - Six offer nuclear medicine option
  - Majority take one resident per year
  - 11 CAMPEP “slots” in 2017 Medical Physics Match
    - Applications from October through January
    - Results in late March
    - Several non-CAMPEP imaging slots
    - List of dates, programs at natmatch.com/medphys

CAMPEP Residencies
- Prospective applicants should be aware of requirements
  - Many programs prefer CAMPEP degree holders (Ph.D. or M.S.)
    - Not required by CAMPEP!
    - Six core courses must be completed

CAMPEP Residencies
- Six core courses:
  - Radiological Physics and Dosimetry
  - Radiation Protection and Safety
  - Fundamentals of Medical Imaging
  - Radiobiology
  - Anatomy and Physiology
  - Radiation Therapy Physics
- Four options:
  - CAMPEP Graduate Program
  - CAMPEP Certificate Program
  - Residency Director Approval
  - CAMPEP Review Committee Approval

Only 4 of the 6 courses must be completed before the beginning of a 2-year residency

http://campep.org/ProspectiveApplicants.asp
CAMPEP Residencies

- Coursework and background at the discretion of the CAMPEP residency program director
- Individual programs may or may not accept the minimum background (80% of incoming residents are from CAMPEP)
- Knowing the rules and policies is helpful for anyone without a CAMPEP degree
- Clearly state in your cover letter how you satisfy (or plan to satisfy) background requirements

Be your own advocate!

Preparing for Part 1

- Apply for Part 1 after enrollment in a CAMPEP program (graduate, certificate, residency, DMP)
- Apply September 1 through October 30 in the prior year
- Complete Part 1 within 5 years of approval
- If not completed, must complete additional year at CAMPEP institution
- Part 2 approval must come within 10 years of passing Part 1
- Part 2 approval comes at the completion of residency
- If you’re in a Ph.D. program, don’t take too early!

Preparing for Part 1

- Not specific to any of the sub-specialties (DI, NM, RT)
- Content guide
  https://www.theabr.org/ic-rp-sample-part1
  Content guide is based on exam “blueprint”
  Focus on breadth, not depth
  Weighting not equal!

Part 1 Question Types

- Provided Constants
  - ABR provides common values
  - https://www.theabr.org/ic-rp-constants-physical-values

Point and Click
The candidate must identify a region on an image;
1. Point and click on the perfused muscle.

Multiple-Choice Options:
The candidate must select all of the correct options for each item:
1. A charged particle is in a vacuum. Under which two conditions will it exhibit electromagnetic radiation? (Please select three options.)
   A. Linear with constant speed
   B. Circular with constant speed
   C. Linear with constant acceleration
   D. No motion

Provided Constants

- ABR provides common values
- https://www.theabr.org/ic-rp-constants-physical-values
**Calculator**

- Emulator version of the TI-30XS
- Practice!

[https://www.theabr.org/ic-rp-calc](https://www.theabr.org/ic-rp-calc)

**Results**

- Exam results posted approximately 4 weeks after exam
  - Pass rates around 70%
- Must pass both clinical and general exams
  - Fail clinical only -> retake only the clinical
  - Fail general only -> retake whole exam

**Final Tips**

- Keep track of dates
  - Sign up for exam center as soon as possible
    - Limited seats, not guaranteed to be at nearest site
- Become familiar with test format
  - Know when you can skip, go back (and when you can’t)
- Practice with the calculator

Study early, study often

**Thank you**