

Diagnostic Part 1 and General Overview of CAMPEP/Residency

Nicholas B. Bevins, Ph.D. Henry Ford Health System



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

HEALIN STATES

Hanny For

CAMPEP and ABR

Hanna Ford

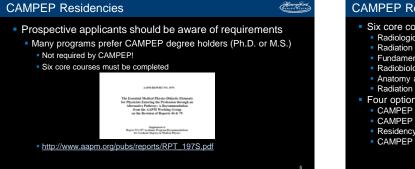
2012/2014 Initiatives

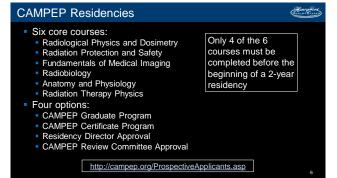
 Required CAMPEP program enrollment/completion as part of ABR certification

- 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 <u>natmatch.com/medphys/</u>





CAMPEP Residencies

Kanny Ford

- 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!

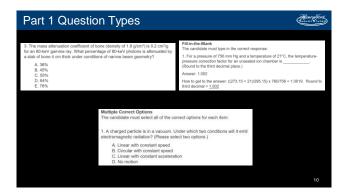
Preparing for Part 1

 Apply for Part 1 after enrollment in a CAMPEP program (graduate, certificate, residency, DMP)

Hanny For

- 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!

<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header>



Part 1 Question Types	Hampford Contractor
 Eighty-five percent of an injection of ^{gom}Tc sulfur colloid is cleared from the blood by the liver. What is the time-integrated activity coefficient in the liver? (Assume a biological half-life of 3 hours.) 	Point and Click
A. 1.4 hours B. 2.5 hours C. 3.1 hours D. 4.3 hours	The candidate must identify a region on an image: 1. Point and click on the pectoralis muscle.
Answer = B Comments: Lamda_eff = 0.693/3 h + 0.693/6 h = 0.3465/h (2 h) 0.65*2 h/0.693=2.5 h	
4. Given an administered activity of 2.8 mCi, a time-integrated activity coefficient of 2.5 hours, and an S factor [liver—kidney] of 3.9 × 10 ⁻⁸ rad/µCi-h, what is the absorbed dose to the kidney from the liver?	
A. 18 mrad B. 21 mrad C. 27 mrad D. 34 mrad	
Answer = C Comments: 2800 uCi*2.5 h*3.9 x 10 ^{*/d} rad/uCi-h = 27 mrad	

Name Value Name Nam Nam Nam
Pand/s constant h 6.826 + 10
The second
Baltzmenn's k 528 × 101 T TO Bone-martow (red), Colon, Lung, 0.12 constant Stomach, Breast, Remainder Tasues*
Assorbe n, 0.511 ³² p 14.3 Gonada 0.08
"Co 5.27
electron II, Bildder, Oesophagus, Liver, Thyroid 0.04
Charge of the g, 150 × 10 ⁻¹ Bone surface, Brain, Salivary glands, 0.01
Mass of the proton 908
Mass of the 939 WY 2.67 * Remainder tissues: Adrenais. Extrathoracic (ET) region.
reaton Gall bladder, Heart, Kidneys,
Assumd speed of c 1540 Long Pances Postate (1).



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

Hanna Ford

