Section V. Residents

CAMPEP Self Study Workshop

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Section V. Residents

A. Admissions
B. Recruitment Efforts
C. Enrolment
D. Evaluation of Resident Progress
E. New Resident Orientation
F. Safety
Section V.A. Admissions

• Clearly define
  – application process, admission standards

• Option 1: Require degree from CAMPEP graduate program

• Option 2: Show how missing elements of Report 79 will be provide
Residents from non-CAMPEP graduate programs

• Courses for Medical Residents, technologists, & dosimetrists are inadequate

• Program must provide:
  – Mechanism of resident receiving didactic training while maintaining 2 full years of clinical training, and
  – Mechanism to evaluate successful completion prior to program completion
Mentor:

- Identify didactic requirements from AAPM report 79 at the beginning of the rotation
- Along with resident, reconcile report 79 with the deficiencies within the particular resident’s background and itemize didactic learning objectives
- Schedule ~ 3 one hour sessions per week with resident
- Outline the didactic learning objectives (LO) and review clinical processes (CP) within the Clinical Rotation Plan
- Assign reading/homework/lab/etc and deliverables for next meeting (first discussion, then report section)
- Provide brief (~15 minute) overview of topic to be studied and reviewed in following meeting, highlighting the most important bits
For each clinical process (CP) and didactic learning objective (LO) of all (N) identified:

\[ \sum_{i=1}^{N} CP / LO_i \]

**Rotation Mentor**
- Provide Instruction (highlight material)
- Discuss Findings (clarify for Resident)

**Physics Resident**
- Receive Instruction (go and read)
- Discuss Findings (go and write)
- Receive Feedback (complete section)
- Review report section (provide feedback)

\[ CP / LO_{i-2} \]

\[ CP / LO_{i-1} \]
Section V.A. Admissions

Self study should:

• Describe timelines and methods of processing
• Describe evaluation process
• Describe notification process

Make all records available for site review team
Univ Iowa Model – Who to Interview?

Process for Selection of Medical Physics Residency Applicants to Interview

Identify total number of applicants (N) and the number of Medical Physics faculty members reviewing applications (M). Let $i$ represent each Medical Physics faculty member in the following order: [Earl, Tim, Yusung, Joe, Murugan, John, Sarah, Alf, Ryan, Ed]

So, the $i^{th}$ physicist’s batch to review, the first application reviewed will begin with the following applicant on the list:

For $i = 1$ to M,

$$\text{application \#} = (i-1) \times \frac{N}{M} + 1$$

and the last application reviewed will be:

$$\text{application \#} = (i + 2) \times \frac{N}{M} + 1$$

Each applicant will be reviewed by at least 3 faculty members. The reviewer will select and rank their top 6 applicants in order from their batch of applications, 1 being the highest rank. All applicants not receiving a ranking between 1-6 will be given a ranking of 10. By Tuesday at 8 am all rankings will be given to Diane, who will establish the initial ranking order. Applicants in ranking order between 8-16 will be discussed during our meeting to identify the 12 individuals to whom an interview will be extended.
### Univ Iowa Model – Who to Interview?

| Name  | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score | Interviewer | Score |
|-------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|-------------|-------|
| Nixon | 8     | Skelchi     | 10    | Ryan        | 10    | Pennington  | 1     | 6.50        |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 2     | Waldron     | 1     |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 2     | Waldron     | 1     |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 2     | Waldron     | 1     |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 2     | Waldron     | 1     |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
| Nixon | 10    | Waldron     | 10    |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |             |       |
Section V.B&C
Recruitment/Enrollment

Have a wide reaching recruitment and open effort

Consensus agreement of AAPM WGCMPRP

– Application deadline December 15, 2008
– Interviews at institution’s discretion
– Offer letters to go out first Friday in March (5th in 2009)
– Response required within 5 days.

Document details of those enrolled
Section V.D Evaluation of Resident Progress

Many approaches to evaluation

- Written reports
- Oral Examinations
- Quarterly reviews

Must address the process of assisting the failing resident
Section V. New Resident Orientation

Resident Orientation
• Overview of the Department
• Hospital/University orientation
• Professionalism / Dress Code
• Expectations of Professionalism

Travel, Vacation, Leaves, Interview Time, Book Money
• Travel Reimbursement
• Vacation and Leaves
• Interview Time
• Book Money

Overview of Evaluations
• Rotation Evaluation of Residents by Faculty
• Progress Reports
Resident should be made aware of potential hazards
Program should have introductory safety training in radiation protection, dangers of high voltage
General hospital precautions