Meet the Expert – Therapy Clinical

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Gamut of Rad Onc Services

- Simulation – CT, MRI, PET, Other (Fusion)
- Treatment Planning
- External Beam (IGRT applicable for some)
  - 3D Conformal
  - IMRT
  - SBRT
- Brachytherapy
  - LDR
  - HDR
  - Targeted Radionuclides

Medical Physicist Activities

- Quality Assurance
  - Choosing Equipment (RO Team)
  - Shielding Design & Calculations
  - Acceptance Testing (Incl. Imaging Equip)
  - Commissioning (TPS & Delivery)
    - Daily
    - Monthly
    - Annual
  - Special Physics Measurements (Pt. Specific, 77370)

Medical Physics Activities

- Consulting with Radiation Oncologist
- Weekly Physics Consults (CPT 77336)
- Radiation Safety Programs (Regulations)
- Quality Improvement in Department (Team)
- Teaching/Training (Residents, Dosim, Thera)
- Research (Develop New Techniques)
- Professional (CAMPEP, MOC, Meetings, etc)
- Work With Other Depts (IT, Finance, etc)
- Budgets
Other Activities to Remember

- IMRT continues to require pt specific QA to be reimbursed
- SRS & SBRT, although not requiring pt specific QA, requires the personal supervision of the MP (must be present during treatment)
- HDR continues to require the personal supervision of the MP (must be present during patient treatment sessions)
- Doing more imaging in RO with IGRT – QA??

Look Out for Your Livelihood!

- Know what you’re worth
- Capture charges accurately
- “Billable Hours”
- Resist work “overload”
- Obtain help when necessary (consultants)
- “Play well with others”
- May need to audit hospital charges

Become Active in Other Societies

- Certainly, AAPM is our home society
- Medical Physics Commission of American College of Radiology
- American College of Medical Physics
- American Society of Therapeutic Radiology and Oncology
- Others (SNM, AIUM, HPS, etc.)

Q & A