

Syllabus / Calendar of Rotations

Rotation	Activity
1 July, August, Sept. Mentor: TBA	*Train with Nursing Staff and Staff Physicist Rotation: Nursing, CT Simulator, Linear Accelerators and Radiation Protection. New Topics: Clinic review, Machine QA (monthly mechanical checks, calibration), Monitor Unit Calculation, TBI M.U. Rotation Quiz /Assessment
2 Oct., Nov., Dec. Mentor: TBA	*Train with Staff Physicist: Quality Assurance New Topics: Machine QA (monthly dosimetric checks, morning check), External Beam Treatment Planning (3DCRT) Rotation Quiz /Assessment
3 Jan., Feb., Mar. Mentor: TBA	*Train with Staff Physicist: Quality Assurance New Topics: Machine QA (annual checks), CT simulator QA, 4DCT, External Beam Treatment Planning (IMRT), IMRT QA Rotation Quiz /Assessment
4 Apr., May, June Mentor: TBA	*Train with Staff Physicist: Physics and Medical Imaging. New Topics: Machine QA (acceptance testing), Film Dosimetry, IMRT QA. Brachytherapy (QA and Treatment Procedures) Rotation Quiz /Assessment
5 July, Aug., Sept. Mentor: TBA Mock Oral Board Aug/Sept Rotations 1-4	*Train with Staff Physicist: Stereotactic Radiosurgery and Dosimetric Measurement New Topics: Intracranial Stereotactic Radiosurgery (Linac and Gamma Knife), Patient Specific dosimetry Diodes /TLDs, TSET. Rotation Quiz /Assessment
6 Oct., Nov., Dec. Mentor: TBA	*Train with Staff Physicist: SBRT and Treatment Planning New Topics: Stereotactic body radiotherapy (SBRT), treatment planning system QA, 4-DCT image-guided radiotherapy (IGRT), EPID QA, KV / OBI QA Rotation Quiz /Assessment
7 Jan., Feb., Mar. Mentor: TBA	*Train with Staff Physicist: Quality Measures and Standards New Topics: Chart Review/Quality Assurance, Audits, Protocols – IRB, RTOG, IGRT Procedure/QA cont. Rotation Quiz /Assessment
8 April, May, June Mentor: TBA Mock Oral Board Aug/Sept Rotations 5-8	*Train with Staff Physicist: Industry Standards and Legal Review New Topics: Shielding Design, Licensing / Accreditation, cont. Physics Review / Materials/Training Make-up Rotation Quiz /Assessment

* Work with staff physicist means that the resident will perform, under close supervision, all tasks routinely assigned to staff physicists, e.g. treatment planning, dosimetry, calibrations, radiation protection, quality assurance and special clinical projects.