



Providence:
Big-city
sophistication with
small-city charm, it
has the best of both
worlds – *Fodor's
Travel*



BROWN
Alpert Medical School



Lifespan Cancer Institute
Rhode Island Hospital • The Miriam Hospital
Newport Hospital
Delivering health with care.®
Department of Radiation Oncology
Medical Physics

Clinical Rotations:

- Orientation
- Treatment Planning I
- Measurement-based Quality Assurance
- Imaging for Simulation, Planning &
Treatment Verification
- Brachytherapy
- Special Procedures
- Radiation Safety & Shielding
- Treatment Planning II
- Clinical Physicist Rotation

"Partnered with the Alpert Medical School of Brown University, it is through this training that the resident will be in an ideal position in preparation for the ABR board examinations and more importantly, on his or her path to becoming a knowledgeable, qualified medical physicist."
- James Brindle, Ph.D., DABR, Residency Program Director



Helen Liu, M.S. 2nd Year Resident

Rhode Island Hospital utilizes a vast array of treatment modalities and technique delivery including the following:

- **Varian TrueBeam STx with ExacTrac**
- **Varian Trilogy Accelerator with OBI & Align RT**
- **Varian iX Accelerator with OBI**
- **Accuray CyberKnife Radiosurgery**
- **Gamma Knife Perfexion Radiosurgery**
- **Elekta HDR Brachytherapy**
- **Varian Eclipse, Phillips Pinnacle and RaySearch RayStation TPS**

Visit our site! Meet the physicists!



COMMONLY ASKED QUESTIONS

How many residents are you planning on taking in the upcoming match?

We recruit one resident annually, thus, we always have two residents.

Do you have a preference for students graduating with a PhD or an MS degree?

We have no preference for students graduating with a PhD versus a MS degree. Our current residents each have master's degrees while two prior residents possessed doctoral degrees.

How is your residency program structured and how is resident progress assessed?

It is a 24-month clinical program comprised of a series of rotations with a maximum duration of 3 months. A month of research is granted to each resident.

Tell me about your institution (equipment, types of procedures performed, number of physicists, etc).

The Lifespan Cancer Institute is comprised of five hospitals. At this time, radiation oncology is only offered at Rhode Island Hospital (main facility) where approximately 115 patients are treated per day. We currently have seven radiation oncologists, ten faculty/staff physicists, and six radiation dosimetrists at our main facility.

What clinical responsibilities do your residents have (e.g., machine QA, chart checks, IMRT QA, physicist of the day, etc)?

Our residents do perform a wide variety of clinical tasks to include machine QA, IMRT QA (only during rotation) and chart checks. The intent is to increase the resident's responsibilities over the duration of the program as the resident demonstrates and establishes competency in select tasks.

What distinguishes your residency program from other programs?

Our institution has wide variety of treatment modalities which offer the resident the ability to be exposed to many different treatment platforms. We have affiliations with a CAMPEP-accredited graduate programs University of Rhode Island and Brown University, and the Radiation Oncology Residency. As a result, teaching opportunities do exist.

It is of note that all our prior residents passed each part of the ABR exam on their first attempt and have gone on to well-placed clinical and faculty positions.