Quick Facts

Our Clinical Activity

9,113 consultations
11,099 radiation treatment courses
400 patients treated daily

Our Impact

$47M annual peer-reviewed funding
249 peer-reviewed publications
332 active clinical studies
10.3% new patients accrued to prospective clinical research studies

Brain Metastases Program
personalized brain metastases treatment within 1 week of referral

Head & Neck Cancer Survivorship Program
care and support from diagnosis, treatment to long-term follow up for HNC patients

Accelerated Education Program
Interdisciplinary education rounds & seminars
Personalized Learning Program
International Observership Program

Our Team

Clinical highlight
Radiation Therapy
400 patients treated daily

Clinical Specialties
- clinical specialist radiation therapists (6)
- medical physicists (30)
- radiation oncologists (36)
- support staff (115+)
- radiation therapists (196)

Research Productivity
- 9,113 consultations
- 11,099 radiation treatment courses
- 400 patients treated daily

Staff & Trainees
- physics residents (6)
- graduate students (20+)
- radiation oncology residents (22)
- radiation oncology fellows (26)
- medical radiation sciences students (37)

Did you know?
RMP is the world’s largest single-site radiation medicine program
RMP conducts peer review QA for all sites & supports a robust incident learning system, ensuring a high level of patient safety
RMP delivers daily IGRT for all cancer patients
OUR FACILITY

Treatment PLANNING
• 4 CT Simulators
• Dedicated MR & PET imaging
• RayStation Treatment Planning System
• Brachytherapy planning systems: Oncentra, BrachyVision, VariSeed
• GammaPlan Planning System

Treatment DELIVERY
• 16 Linear Accelerators (all VMAT, IMRT & CBCT enabled, dual energy, MLC)
• 2 Gamma Knife Perfexion units
• 1 Orthovoltage/Superficial X-ray unit
• 1 MR-Linac
• Brachytherapy: HDR (GYN, Lung, Esophagus, Prostate), LDR (Prostate), and Manual (Eye)

Clinical SYSTEMS
• Radiation therapy electronic medical record (Mosaiq)
• Real-time department-wide QA/QC status system (AQUA)
• Dose reconstruction system (RayStation)
• RMP eBooking (order entry & workflow system)
• Web Publishing (treatment plan review & approval system)
• Automated QA system for RT plans (EVOQ)

Global Leader in MR-Guided Radiation Treatment
• MR-Linac System with state-of-the-art technology that fully integrates an MRI scanner with a Linear Accelerator
• Globally unique MR-Guided Radiation Therapy Facility with TrueBeam Linear Accelerator, IMRIS 1.5T MR and Elekta HDR

OUR PRACTICE

Multidisciplinary SUPER TEAM Model
Team 1: Head & Neck, Endocrine, Skin, Eye
Team 2: Lung, Breast, Upper Gastrointestinal (GI)
Team 3: Genitourinary, Gynecologic (GYN), Lower GI
Team 4: Central Nervous System, Lymphoma, Leukemia, Sarcoma, Pediatrics, Palliative

SPECIALIZED Programs
• Brachytherapy
• QuickStart Program
• Palliative Radiation Oncology
• Gamma Knife Radiosurgery
• Pediatric Radiation Therapy (collaboration with SickKids Hospital)
• Oligometastases
• Stereotactic Radiation Therapy