



# radiation medicine

## QUICK FACTS

### OUR CLINICAL ACTIVITY

**8611**  
consultations

**10,738**  
radiation treatment courses

**400**  
patients treated daily

### OUR IMPACT



**\$40.8M** annual peer-reviewed funding  
**242** peer-reviewed publications  
**184** prospective research protocols  
**11.9%** new patients accrued to prospective clinical research studies



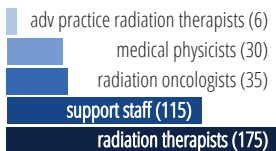
**QuickStart Program**  
same-day radiotherapy start for early-stage breast cancer patients

**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



**STAFF**



**TRAINEES**



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
- Pinnacle Treatment Planning System
- 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
- Brachytherapy: HDR (GYN, Lung, Esophagus, Prostate), LDR (Prostate), and Manual (Eye)

## Clinical SYSTEMS

- Radiation therapy electronic medical record (Mosaik)
- 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)

## MRgRT

RMP's new **Magnetic Resonance guided Radiation Therapy Facility** equipped with TrueBeam Linear Accelerator, IMRIS 1.5T MR, 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
- Palliative Radiation Oncology
- Gamma Knife Radiosurgery
- Pediatric Radiation Therapy (collaboration with SickKids Hospital)
- Oligometastases
- Stereotactic Radiation Therapy

Find out more: [radiationatpm.com](http://radiationatpm.com)

 [info@rmp.uhn.ca](mailto:info@rmp.uhn.ca)

 [@RadMedPM](https://twitter.com/RadMedPM)

