

McGill University Health Centre / Centre universitaire de sante McGill

At the MUHC/CUSM, our vision of excellence is taking shape to integrate health care, research, and teaching on a whole new level. With custom-built facilities, state-of-the-art equipment, and nurturing healing environments, we are pushing the boundaries of innovation for our current generation and those to come. The MUHC is comprised of the Glen Site, the Lachine Hospital, the Montreal General and the Montreal Neurological Hospital. The Glen site is home to Montreal Children's Hospital, Royal Victoria Hospital, Montreal Chest Institute, Cedars Cancer Centre and Research Institute. We have 12,000 nurses and hospital staff, 1,587 physicians, dentists and pharmacists, 2,100 research staff, 550 researchers, 1,200 graduate and post-doctoral students and over 2,200 volunteers.



The Department of Radiation Oncology at the Cedars Cancer Center is home to several state-of-the-art radiotherapy delivery systems allowing us to provide the best in radiotherapy treatment to our patients. We treat over 3,000 patients per year for a total of 45,000 treatment sessions on 7 linear accelerators including: 4 Varian TrueBeams, 2 Varian TrueBeam STXs and 1 Accuray Cyberknife and 1 Nucletron high dose rate (HDR) brachytherapy unit. With regard to imaging equipment, our department houses 3 CT simulators and a dedicated 3T MRI allowing us to take advantage of opportunities to better identify disease and measure tumor response. Our clinical Medical Physics group consists of 14 physicists, 8 medical dosimetrists, 2 support engineers, an IT specialist and an administrative officer. In addition, four full-time academic MPU faculty are on site as well as numerous medical physics residents, postdocs and graduate.

The clinical Department of Medical Physics is strongly linked with McGill University through Medical Physics Unit (MPU) and the Gerald Bronfman Department of Oncology. The MPU fosters activities, both clinical and academic in nature, in radiation oncology and other applications of physics to medicine, such as radiology and health physics. Training of the next generation of medical physicists is a key mandate of the MPU division. Accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP), the Medical Physics Unit offers training leading to a medical physics M.Sc. and Ph.D. degree, a Certificate program (for retraining of Ph.D. graduates in allied fields into medical physics), as well as a two-year residency training program. The MPU is also responsible for teaching a course in treatment planning to Residents in the Department's Radiation Oncology Residency/Fellowship Training Program, an introduction to medical physics course to Radiology Residents and four courses in medical physics to Dawson College students registered in the affiliated Radiation Oncology Program.