

Medical Physicist

About the Position:

Medical physicists are health care professionals with specialized training in the medical applications of physics. Their work often involves the use of x-rays, ultrasound, magnetic and electric fields, infra-red and ultraviolet light, heat and lasers in diagnosis and therapy.

Medical physicists participate in all clinical, educational and research activities within the department of Medical Physics, and collaborate extensively with the radiation oncology, radiation therapy, medical dosimetry and leadership teams.

The responsibilities of a clinical medical physicist lie predominantly in the areas of radiotherapy and diagnostic imaging. The roles of a medical physicist in *radiotherapy* include treatment planning and radiotherapy machine design, testing, calibration, and troubleshooting. The roles of a medical physicist in *diagnostic imaging* include machine purchasing and installation, testing, quality control, and operation.

Medical physicists ensure that equipment used in a patient's diagnosis and treatment is operating correctly. Some treatment techniques at SCA include VMAT (volumetric modulated arc therapy), stereotactic radiosurgery (SRS), stereotactic body radiotherapy (SBRT), total body irradiation (TBI) and HDR (high dose rate) brachytherapy.

Job Requirements:

Education

- Post-graduate Degree in Medical Physics or a related field

Credentials

- Must be eligible as fellows or members of the Canadian College of Physicists in Medicine

About Us

The Saskatchewan Cancer Agency is a provincial healthcare organization dedicated to providing cancer care for the people of Saskatchewan. Our compassionate and knowledgeable team provides leadership in health promotion, early detection, treatment and research for cancer.

We run two cancer centres, the Allan Blair Cancer Centre in Regina, and the Saskatoon Cancer Centre. We also provide services in rural communities in partnership with hospitals through the Community Oncology Program.

Our vision is a healthy population free from cancer, and our more than 900 dedicated employees work hard every day towards this vision.

For the past 90 years, our teams have been leading revolutionary technologies that help make our treatments as effective as possible to help our patients live longer, fuller lives.

In 2022, the Cancer Agency received an Exemplary Standing for safety and quality from Accreditation Canada, the highest achievement a health care organization can receive.

Note: All positions at the Saskatchewan Cancer Agency require a criminal record check.