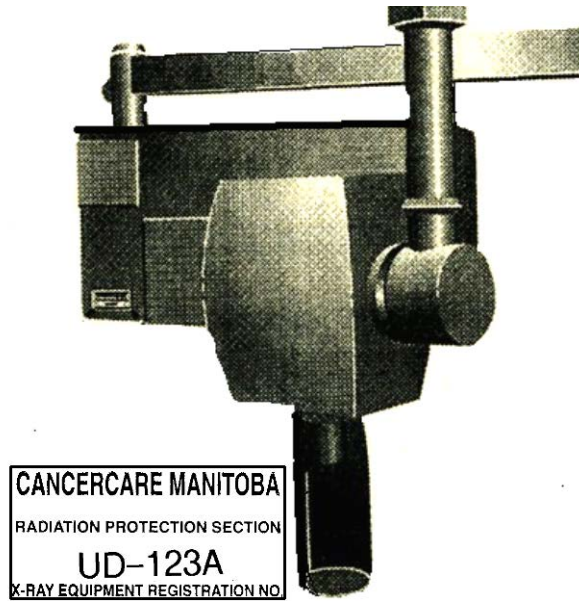


RADIATION PROTECTION SERVICES

CANCERCARE MANITOBA DENTAL LEAFLET



MANITOBA REGULATION 341/88R

Responsibilities
Information leaflet 04/12

MANITOBA REGULATION 341/88R

The Government of Manitoba has, for over 50 years, contracted with Cancer Care Manitoba, to provide radiation protection services to the province. Legislation covering this program falls under the authority of Manitoba Health, while also supporting Medical Device licencing, as stated in Health Canada Medical Devices regulations.

The main areas of responsibility with respect to radiation protection are outlined as follows and are covered by the X-ray Safety Regulation 341/88R:

LIMITING WORKER EXPOSURE TO RADIATION

- be at least 3 meters from the x-ray beam
- personnel must not be directly exposed to the x-ray beam
- use protective devices available
- be outside the x-ray room during radiography, inside control booths or behind protective screens or walls
- personnel who routinely take x-rays must wear x-ray badges at all times during the course of their duties
- National Dosimetry Service 1-800-261-6689

LIMITING PATIENT EXPOSURE TO RADIATION

- x-rays must only be prescribed by dental, or orthodontic DDM practitioners
- x-ray doses must be kept as low as reasonably practicable
- dental x-rays must not be taken with voltages less than 60 kVp
- lead protective aprons and shields must be available for patients

PREVENTING GENERAL PUBLIC EXPOSURE TO RADIATION

- x-ray rooms must be designed and constructed to ensure protection of the public who are near x-ray equipment
- Form: (www.cancercare.mb.ca > Departments > Radiation Protection > Brochures > Wall shielding Specifications)

The X-ray Safety Regulation, in summary, specifies the following:

Persons that may use x-ray equipment for the irradiation of patients.

The owner's responsibilities regarding radiation exposure control for x-ray workers, patients and members of the public.

The criteria to follow in order to obtain approval for the installation and use of an x-ray machine including: RED Act compliance, active licencing, and C.S.A. or equivalent approval.

Note: This Regulation allows the inspectors to enter the place where the equipment is used, to request information, and to perform tests related to equipment use.

REFERENCES

Manitoba Regulation 341/88R: X-ray Safety Regulation pursuant to the Public Health Act.

Federal Safety Codes 35 and 30: Codes published by Health Canada as compliance standards for the use of X-rays and x-ray equipment.

Registration of new equipment form:

www.cancercare.mb.ca > Departments > Radiation protection > X-Ray Compliance > On line registration.

Medical Device Active Licence Listing: MDALL: www.hc-sc.gc.ca

Health Canada licencing contact info: General enquiries: 204-984-1341

Health Canada has certain regulatory requirements with respect to Class 3 Medical devices which include, but are not limited to, the necessity that all purchased radiographic equipment (new and/or re-furbished) **must** have an approved active Medical Device licence.

Licencing enquiries: ms-med@hc-sc.gc.ca.

For more information, please contact:

Chester Neduzak, R.T.R., Charge RPO*
(204) 787-2114
chester.neduzak@cancercare.mb.ca

Ed Hordienko, R.T.R., Senior RPO*
(204) 787-2023
ed.hordienko@cancercare.mb.ca

Greg Zaporozan, R.T.R., Senior RPO*
(204) 787-4404
gregory.zaporozan@cancercare.mb.ca

Mike Delorme, R.T.R., Senior RPO*
(204) 787-2322
michael.delorme@cancercare.mb.ca

Dr. Ingvar A.J. Fife Ph.D.
Head, Radiation Protection
(204) 787-2213
ingvar.fife@cancercare.mb.ca

Administrative Assistant
Phone (204) 787-4145

*RPO: Radiation Protection Officer

Radiation Protection Section
Medical Physics Department
Cancer Care Manitoba
675 McDermot Ave.
Winnipeg, Manitoba
R3E 0V9
Fax (204) 787-1684