



of radiology technologist

Summary

■ Responsibilities and conditions for practising the profession	1
■ Obtaining the permit	2
■ Review mechanism and examination rewrites	5
■ Registration on the roll of the Order	5
■ Appendix 1	7
■ Appendix 2	8

RESPONSIBILITIES AND CONDITIONS FOR PRACTISING THE PROFESSION

The practice of medical imaging technology and radiation oncology consists in using ionizing radiation, radioelements and other forms of energy for treatment or to produce images or data for diagnostic or therapeutic purposes.

The activities set out in Appendix 1 are reserved for radiology technologists in the practice of their profession.

Radiology technologists may practise the profession in three distinct disciplines:

- radiodiagnostics: using different technologies, the technologist produces medical images enabling the physician to make an accurate diagnosis;

EXCLUSIVE PROFESSION

4 452 MEMBERS

- nuclear medicine: the technologist uses radiopharmaceutical substances to study the function of human organs and gather data that enable the physician to diagnose diseases in their early stages of development;
- radio-oncology: the technologist prepares and applies radiation treatments prescribed by a specialist physician in order to destroy tumours or eradicate cancer.

Useful information

In Québec, the choice of discipline is decisive since mobility from one to the other is not possible. The training of radiology technologists abroad is usually more general in nature. They subsequently acquire a specialization in the workplace in one of the three disciplines practised in Québec.

Radiology technologists practise an exclusive profession. They must hold a permit from the *Ordre des technologues en radiologie du Québec* and be registered on the Order's roll to:

- practise the profession;
- perform the reserved activities;
- use the title of 'radiology technologist'.

Produced in collaboration with the:



**Ordre des
Technologues en
Radiologie du
Québec**

**Immigration
et Communautés
culturelles**

Québec



OBTAINING THE PERMIT

CONDITIONS FOR OBTAINING THE PERMIT

To obtain the permit, the candidate must hold a Québec college diploma, as provided for by regulation, or have a diploma or training recognized as being equivalent by the Order. Candidates holding a diploma issued in Québec or elsewhere must also:

- pass the Order's examination;
- have sufficient knowledge of the French language to practise the profession.

It is not necessary to be a permanent resident or a Canadian citizen to obtain a permit.

Practical advice

- *If you plan to practise the profession of radiology technologist in Québec, you would be well advised to contact the Order **prior to your departure** to find out about the rules regulating access to the profession and to take the first steps toward obtaining your permit and registering on the Order's roll. Moreover, certain immigration procedures may require that you contact the Order. Should this be the case, you will be notified by your immigration counsellor.*
- *As soon as possible, you should complete the **self-assessment questionnaire** (in French only) available on the Order's website (www.otrq.qc.ca) for a preliminary evaluation of the requirements you will have to meet to obtain a permit to practise the profession in Québec. The self-assessment will take into account both your training and your professional experience and will also inform you about the documents and attestations you will need to have on hand before submitting a formal application.*

DIPLOMA OR TRAINING EQUIVALENCE

To be recognized as equivalent, a diploma awarded outside Québec must attest that its holder possesses a level of knowledge and skills equivalent to that acquired by the holder of a Québec diploma, as provided for by regulation. Consequently, equivalence is recognized if the diploma was issued upon completion of studies of a level equivalent to college level III in Québec comprising a minimum of training hours apportioned as indicated in Appendix 2.

If the diploma was obtained five years or more before the application for equivalence, the candidate will be refused if the knowledge acquired no longer corresponds to the current content of study programs.

However, candidates whose diploma cannot be recognized as equivalent may be granted training equivalence if they can demonstrate to the Order's satisfaction that they have acquired the level of knowledge and skills required since being issued the diploma.

To assess training equivalence, the Order considers the nature and duration of the candidate's relevant work experience, the courses taken (nature, content and results obtained), training periods and other continuing training or upgrading activities completed, as well as the number of years of schooling and diplomas obtained in Québec or elsewhere.

Useful information

To be admitted to a college in Québec, candidates are generally required to have completed 11 years of elementary and secondary education.

Procedure for achieving recognition of diploma or training equivalence

- 1 Complete the Order's application form and provide all of the following documents:
 - ☐ Postal or bank money order in the amount of \$169.31, negotiable without charge in Canada, to cover the cost of reviewing the file
 - ☐ Diplomas obtained
 - ☐ Description of the courses taken, including their title, content and duration in hours (these documents must bear the **seal and the address of the educational institution** where the course was taken)
 - ☐ Official document attesting to the right to practise the profession outside Québec (permit, certificate of registration or licence), where applicable
 - ☐ Official document attesting to participation in a training session and its successful completion
 - ☐ Membership card of your association, where applicable
 - ☐ Official document attesting to work experience for each position held in the field
 - ☐ An *Évaluation comparative des études effectuées hors du Québec* (Comparative evaluation for studies done outside Québec) issued by the *Ministère de l'Immigration et des Communautés culturelles*, where applicable. A fee of \$105 is required.
 - ☐ The Order's self-assessment questionnaire duly completed

All documents must be **originals or certified true copies of the originals**. For documents written in a language other than French or English, the candidate must provide a translation in French or English by an accredited translator or attested to by a sworn declaration or a solemn affirmation from the person who did the translation.

- 2 The Order may ask you to sit an interview, pass an examination, complete a training period or a combination of all three before deciding on your training equivalence.
- 3 The Order will send you written notice of its decision respecting recognition of your diploma or training equivalence.

If the evaluation committee makes a positive recommendation, you will have to **complete 45 hours of bridge training (including case studies) to prepare for the Order's entrance exam**, as well as **complete 140 hours of shadow training**. This training is intended to help candidates who obtained a diploma outside Québec become familiar with the technologies used in Québec hospitals and the professional environment in Québec (particularly participation in multidisciplinary teams). It must be carried out in a centre that has been accredited by the Order.

If the equivalence is refused, the Order will inform you of the programs in Québec leading to the permit.

Useful information

- *The 45 hours of bridge training required by the Order are offered only at Ahuntsic College in Montréal (in French). You must satisfy the College's admission requirements and pay the relevant tuition fees.*
- *Since training centres may be difficult to find, a list of accredited training centres will be provided to help you in your search. You must contact these centres and obtain permission from the Order before beginning your training period.*
- *For the duration of the bridge training and shadow training periods, the Order's registration fees and professional liability fees amount to \$88.94. To complete your registration on the Order's roll, you must provide the following documents: the registration form, a copy of your birth certificate, a recent signed and authenticated passport-size photo (5 cm x 5 cm), the declaration respecting disciplinary and criminal decisions handed down in and outside Québec, and the form respecting personal information.*
- *The training periods are not remunerated and some centres may charge supervision fees.*
- *As the case may be, a radiology physician who wishes to practise the profession of radiology technologist in Québec must obtain a Québec diploma in radiodiagnostic technology, nuclear medicine or radio-oncology. However, the number of students accepted in these programs in a Québec educational institution is limited.*

THE ORDER'S EXAMINATION

The examination is intended to evaluate candidates' behaviour and decision-making skills in a problematic situation, as well as their ability to use their knowledge autonomously in an emergency situation or in any other situation peculiar to the practice of the profession of radiology technologists.

It aims to determine candidates' knowledge in one or more of the following subjects:

- radiodiagnostic: radiographic techniques and medical imaging, legislation respecting the professions, health care in radiology, pathology, radiological anatomy, anatomy and physiology, physics-apparatus, image recording, radiobiology and radiation protection.
- nuclear medicine: radiobiology, radiation protection, legislation respecting the professions, care of the health services user, physics-apparatus and instrumentation, radiopharmacology, applied nuclear medicine, anatomy, physiology, pathology, nuclear medicine procedures.
- radio-oncology: physics-apparatus, radiobiology, radiation protection, care of the health services user, anatomy, physiology, pathology, applied radio therapy, treatment planning, legislation respecting the professions, dosimetry.

The examination is held twice a year, once in June and once in November. Candidates may write the examination in English or French. The passing grade is 60%.

REGISTERING FOR THE EXAMINATION

To register for the examination, candidates must have obtained recognition of their diploma equivalence and forwarded to the Order registrar within the required deadline the prescribed registration form, along with the following documents:

- ☐ Registration fees in the amount of \$530.51, payable by cheque, postal money order or credit card (Visa or MasterCard)
Cash will not be accepted.
- ☐ The duly completed ID card

Useful information

- *The examination, which contains 200 questions, is based on the principle of objective marking, i.e. the questions are multiple choice.*
- *A reference guide has been devised to help foreign-trained candidates prepare for the entrance examination. This document explains the examination procedure, format and content of the examination as well as the specific context of the practice of the profession in Québec. The Order will send you this document free of charge once you have obtained recognition of your diploma or training equivalence.*

APPROPRIATE KNOWLEDGE OF THE FRENCH LANGUAGE

In accordance with the Charter of the French Language, professional orders can only deliver regular permits to individuals who have a knowledge of the French language appropriate to the practice of their profession. Therefore, candidates need to meet this legal requirement and those above mentioned to obtain a permit.

Useful information

Individuals having completed at least three years of full-time secondary or post-secondary education in French are recognized as having sufficient knowledge of the French language.

Candidates whose files do not indicate that they have appropriate knowledge of French must pass the *Office québécois de la langue française* (OQLF) French examination. **The Order** will forward the examination registration form once the application for recognition of diploma or training equivalence has been submitted.

Those candidates may, however, obtain a temporary permit for no more than one year if they meet the requirements for practising the profession. This permit will be issued by the Order, together with a registration form for the OQLF French exam.

The temporary permit may be renewed up to three times with the authorization of the OQLF if deemed in the public interest. For each renewal, candidates must sit examinations held in compliance with OQLF regulations. Once the temporary permit has expired, the candidate must pass the OQLF examination to obtain a regular permit. This examination is free of charge and is held in Montréal.

How to obtain your permit

If you have satisfied all the conditions for obtaining a permit, you must take the Order's oath.

REVIEW MECHANISM AND EXAMINATION REWRITES

Candidates may request a hearing with the Order to review its decision if recognition of a diploma or training equivalence was refused or only partially recognized. They may also request the review of the examination grade. Candidates must submit any review application within the deadlines prescribed by regulation and pay a fee of \$51.76. The final decision may not be appealed.

Candidates who fail the Order's examination may resit the examination up to three times. Candidates who do not sit the supplemental examination in the following session will not receive the registration form at the next session. To register for the examinations, they will have to contact the Order at least 60 days prior to the examination date, which are held twice a year, in June and November.

REGISTRATION ON THE ROLL OF THE ORDER

To practise the profession and the reserved activities and use the reserved title, the permit holder must be registered on the roll of the Order. To register, you must:

- pay the annual dues;
- take out group professional liability insurance.

The annual dues are \$351.37. This amount includes the contribution to the *Office des professions du Québec* and annual professional liability fees.

References

- *Radiology Technologists Act (R.S.Q., c. T-5).*
- *Regulation respecting other terms and conditions for permits of the Ordre des technologues en radiologie du Québec to be issued (c. T 5, r.3.1).*
- *Regulation respecting the standards for diploma or training equivalence for the issue of a permit by the Ordre des technologues en radiologie du Québec (c. T 5, r.6.4).*



FOR MORE INFORMATION

Information on the conditions for practising the profession in Québec

- **Ordre des technologues en radiologie du Québec**
6455, rue Jean-Talon Est, bureau 401
Saint-Léonard (Québec) H1S 3E8
In Montréal:
514 351-0052
Elsewhere in Québec:
1 800 361-8759
Fax: 514 355-2396
Internet: www.otrq.qc.ca
E-mail: info@otrq.qc.ca

Information on certification and examinations for evaluating knowledge of the French language

- **Office québécois de la langue française**
www.oqlf.gouv.qc.ca

Information on Québec's professional system and the Professional Code

- **Office des professions du Québec**
www.opq.gouv.qc.ca
- **Conseil interprofessionnel du Québec**
www.professions-quebec.org

Information and assistance with regard to procedures pertaining to a professional order

- **Ministère de l'Immigration et des Communautés culturelles**
www.immigration-quebec.gouv.qc.ca

In the Montréal region:
Contact the Service d'information
sur les professions et métiers réglementés
514 864-9191

Elsewhere in Québec or abroad:
Contact the
Immigration-Québec service
in your settlement area

Access to laws and regulations

- **Les Publications du Québec**
www.publicationsduquebec.gouv.qc.ca

Information on the job market in Québec

- **Emploi-Québec**
emploi.quebec.net
- **Ministère du Développement économique, de l'Innovation et de l'Exportation**
www.mdeie.gouv.qc.ca

You can also obtain the brochure *The practice of a profession governed by a professional order*

On the Internet:
www.immigration-quebec.gouv.qc.ca

In Québec:
at an **Immigration-Québec service**

Abroad:
at the **Bureau d'immigration du Québec**
Québec serving your territory

Notice

The information in this document was current in August 2008. It was obtained from various sources and in no way replaces current legislation and regulations.

The fees mentioned herein are subject to change. They are in Canadian dollars and include all applicable taxes.

The Ordre des technologues en radiologie du Québec has validated the French version of this document. The English version is in accordance with the French version, but has not been validated by the Order.

The English translations of organizations' names mentioned in this document are not the organizations' official names.



PRACTISING THE PROFESSION OF RADIOLOGY TECHNOLOGIST

Activities reserved for radiology technologists

THE FOLLOWING ACTIVITIES ARE RESERVED FOR **RADIOLOGY TECHNOLOGISTS** IN THE PRACTICE OF THEIR PROFESSION:

- 1° administering prescribed medications or other prescribed substances;
- 2° using ionizing radiation, radioelements or other forms of energy, according to a prescription;
- 3° monitoring reactions to medications and other substances;
- 4° introducing an instrument, according to a prescription, in and beyond the pharynx or beyond the urinary meatus, labia majora or anal margin or into a peripheral vein or artificial opening; and
- 5° mixing substances to complete the preparation of a medication, according to a prescription.

DIPLOMA EQUIVALENCE

Apportionment of training hours for obtaining recognition of diploma equivalence

RADIOLOGIC

2,805 hours of training including 2,125 hours of specific training in radiodiagnostic technology apportioned as follows:

- a) 100 hours of anatomy and physiology applied to radiodiagnostics;
- b) 115 hours of physics applied to radiodiagnostics;
- c) 115 hours on radiodiagnostic apparatus;
- d) 50 hours in pharmacology and medication administration methods;
- e) 60 hours of care and health and safety in radiodiagnostics;
- f) 55 hours of helping relationships and communication in radiodiagnostics;
- g) 80 hours of image production in radiodiagnostics;
- h) 75 hours of radioprotection;
- i) 275 hours of examination methods in general radiology, tomodesitometry and ultra-sonography;
- j) 50 hours of examination methods in radiology and magnetic resonance imagery;
- k) 920 hours of clinical practice in general radiodiagnostics;
- l) 115 hours of clinical practice in ultra-sonography; and
- m) 115 hours of clinical practice in tomodesitometry;

NUCLEAR MEDICINE

2,925 hours of training including 2,260 hours of specific training in nuclear medicine technology apportioned as follows:

- a) 60 hours of chemistry applied to nuclear medicine;
- b) 45 hours of measuring and image production in nuclear medicine;
- c) 75 hours of electronics applied to nuclear medicine;
- d) 60 hours on the effects of radiation on matter and living beings;

- e) 105 hours on mathematical problems in nuclear medicine;
- f) 60 hours in biochemistry applied to nuclear medicine;
- g) 45 hours of care methods in nuclear medicine;
- h) 75 hours of radiopharmacology;
- i) 60 hours of health and safety and radioprotection in nuclear medicine;
- j) 90 hours of anatomy and physiology applied to nuclear medicine;
- k) 175 hours on apparatus in nuclear medicine;
- l) 60 hours of helping relationships and communication in nuclear medicine;
- m) 75 hours in data input in nuclear medicine;
- n) 75 hours of quality control in nuclear medicine;
- o) 75 hours on the components of urinary and central nervous systems;
- p) 60 hours on the components of the heart and circulatory system;
- q) 105 hours on the components of the osteo-articular and endocrine systems;
- r) 90 hours on the components of the digestive and respiratory systems and other systems;
- s) 870 hours of clinical practice.

RADIO-ONCOLOGY

2,595 hours of training including 1,915 hours of specific training in radio-oncology technology apportioned as follows:

- a) 100 hours of anatomy and physiology applied to radio-oncology;
- b) 125 hours of physics applied to radio-oncology;
- c) 60 hours of health and safety and radioprotection;
- d) 75 hours on apparatus and teletherapy;
- e) 95 hours of dosimetry;
- f) 60 hours of radio-oncology;
- g) 160 hours of care methods in external radiotherapy;
- h) 45 hours on the making of accessories in radio-oncology;
- i) 40 hours in brachytherapy;
- j) 95 hours of simulation methods;
- k) 60 hours of helping relationships and communication in radio-oncology;
- l) 700 hours of clinical practice in external radiotherapy;
- m) 150 hours of clinical practice in simulation;
- n) 150 hours of clinical practice in dosimetry.