



RESIDENCY FAIR

I HAVE OBTAINED MY MD - NOW WHAT?

The MD degree is not equivalent to a license for the practice of medicine. Two to six (or more) years of training are required before you can finally "hang out your shingle".

I ORGANIZATION OF POSTGRADUATE TRAINING

The responsibility for accreditation of postgraduate programs in Canada rests with the College of Family Physicians of Canada and the Royal College of Physicians and Surgeons of Canada. In collaboration with the Federation of Medical Licensing Authorities of Canada, these agencies delegate the task of operating postgraduate programs to the seventeen Canadian medical schools. It is the responsibility of the medical schools to ensure that the curricula and accreditation standards established by the national parent organizations are met.

All postgraduate medical trainees are registered in the Faculty of Medicine and Dentistry at the U of A and are required to pay a program fee. The current fee is \$1098 (subject to change). Postgraduate medical trainees (Residents) hold a dual role; one of a learner with the University of Alberta, one of an employee of Alberta Health Services. The financial resource for funding these positions comes from the Alberta Ministry of Health, with Alberta Health Services being the paymaster. Salaries for postgraduate trainees are negotiated between the University of Alberta, the University of Calgary, and Alberta Health Services (the Entities) acting as the agent for the government, and the Professional Association of Resident Physicians of Alberta (PARA) to which annual dues are paid through payroll deductions. The salary scale is as follows:

RI	\$57,200
RII	\$63,314
RIII	\$68,192
RIV	\$73,077
RV	\$79,184
RVI	\$84,067
RVII	\$90,826
RVIII	\$98,141

Other negotiated benefits include 20 working days of vacation, eligibility for Blue Cross, a flexible spending account and a dental plan. All trainees are covered under group liability insurance contracts of the Alberta Health Services and the U of A.

The numbers of positions available in the Family Medicine and specialty stream are determined annually. For the 2021 CaRMS Match, 174 positions are available for entry at the Postgraduate Year-1 (PGY-1) level. Of these, 47 positions are available for individuals' seeking certification in Family Medicine (including 15 positions for the Rural Regional Family Medicine) and 112 for those seeking certification in a Royal College specialty.

II CHOICES FOR POSTGRADUATE TRAINING

There are two streams for post-M.D. training in Canada, one leading to certification as a family physician by the College of Family Physicians of Canada (CFPC) and the other to certification as a specialist by the Royal College of Physicians and Surgeons of Canada (RCPSC). In addition to the Family Medicine Program, 55 specialty and subspecialty training programs are available at the University of Alberta. Each program is under the supervision of a designated Program Director.

A. Family Medicine

The requirement for certification by the College of Family Physicians of Canada is successful completion of a two-year training program and passing the final examination which is taken in May/June of the final year of training. The opportunity of Added Competence in Emergency Medicine and Certificates of Added Competence in Care of the Elderly, Enhanced Surgical Skills, Family Practice Anesthesia, Palliative Care and Sport and Exercise Medicine are available with an additional year of training beyond certification in Family Medicine, upon successfully matching via the CaRMS Family Medicine Enhanced Skills Match. A separate rural stream is available for those wishing to base their training in rural areas of Northern Alberta.

B. Specialty Training

The Royal College of Physicians and Surgeons of Canada is responsible for the accreditation of specialty training programs in Canada. Sixty-six specialty programs are accredited by the Royal College. Of these, 30 are classified as Primary Certification Programs and are four to six years in duration. Their successful completion (including passing the examinations) enables one to practice as a specialist in that primary discipline.

Another category of programs are the sub-specialties which are designated as "Certificate of Special Competence" Programs. These programs are usually of 2 years duration and are taken after completion of a prerequisite primary certification program. It is necessary for the trainee to become certified in a relevant primary discipline before being eligible to take the examination leading to the Certificate of Special Competence in the sub-specialty. In many of these programs, one of the years of sub-specialty training can be applied towards completing the primary certification requirements. For example, if an individual wishes to be an Endocrinologist, one could achieve that objective in five years. The first three years of training would be in Internal Medicine and the last two in Endocrinology.

There is also one Special Program – the Clinician Investigator Program which is accredited by the RCPSC.

Following is a list of the 1) Primary Certification Programs, and 2) Certificate of Special Competence Programs which are currently approved by the Royal College. An asterisk indicates programs currently not available at the University of Alberta.

I. Primary Certification Programs

- Anesthesiology and Pain Medicine
- Anatomical Pathology
- Cardiac Surgery
- Dermatology
- Diagnostic Radiology
- Emergency Medicine
- General Pathology
- General Surgery
- Hematological Pathology
- Internal Medicine
- Medical Biochemistry*
- Medical Genetics*
- Medical Microbiology
- Neurology (Adult and Pediatric)
- Neuropathology*
- Neurosurgery
- Nuclear Medicine
- Obstetrics and Gynecology
- Ophthalmology
- Orthopaedic Surgery
- Otolaryngology
- Pediatrics
- Physical Medicine and Rehabilitation
- Plastic Surgery

Public Health and Preventive Medicine
Psychiatry
Radiation Oncology
Thoracic Surgery*
Urology

2. Certificate of Special Competence Programs

(Prerequisite primary certification program indicated in brackets)

Cardiology (internal medicine/pediatrics)
-adult
-pediatric
Child and Adolescent Psychiatry (psychiatry)
Clinical Immunology and Allergy (internal medicine/pediatrics) *
-adult
-pediatric
Clinical Pharmacology (anesthesiology/internal medicine/pediatrics/psychiatry) *
Colorectal Surgery (general surgery) *
Critical Care Medicine (anesthesiology/emergency medicine/internal medicine/general surgery/pediatrics)
-adult
-pediatric
Developmental Pediatrics (pediatrics)
Endocrinology and Metabolism (internal medicine/pediatrics)
-adult
-pediatric
Forensic pathology (pathology)
Forensic Psychiatry (psychiatry)
Gastroenterology (internal medicine/pediatrics)
-adult
-pediatric
General Surgical Oncology (general surgery) *
Geriatric Medicine (internal medicine)
Geriatric Psychiatry (psychiatry)
Gynecologic Oncology (obstetrics & gynecology) *
Gynecologic Reproductive Endocrinology & Infertility (obstetrics & gynecology) *
Hematology (internal medicine/pediatrics)
-adult
-pediatric
Infectious Diseases (internal medicine/pediatrics)
-adult
-pediatric
Maternal-Fetal Medicine (obstetrics and gynecology) *
Medical Oncology (internal medicine)
Neonatal-Perinatal Medicine (pediatrics)
Nephrology (internal medicine/pediatrics)
-adult
-pediatric
Neuroradiology (diagnostic radiology) *
Occupational Medicine (internal medicine)
Pediatric Emergency Medicine (pediatrics/emergency medicine)
Pediatric General Surgery (general surgery) *
Pediatric Radiology (diagnostic radiology)
Respirology (internal medicine/pediatrics)
-adult
-pediatric

Rheumatology (internal medicine/pediatrics)
-adult
-pediatric*
Transfusion Medicine*
Vascular Surgery (general surgery/cardiac surgery) *

3. **Special Programs**

Clinician Investigator Program

Competence by Design (CBD)

To contribute to the success of Canadian physicians and the delivery of high-quality patient care, the Royal College of Physicians and Surgeons of Canada has embarked upon an initiative to introduce competency-based medical education (CBME) in Canadian postgraduate specialty training and in professional practice in Canada. This initiative, called Competence by Design (CBD), aims to enhance patient care by aligning medical education and lifelong learning with evolving patient needs and empowering learners to engage in their education process more fully.

CBD will use time as a framework rather than the basis for progression. It is not anticipated that the duration of training will change for the majority of trainees. Residency programs will be broken down into stages, and each stage will have a series of milestones based on required competencies. These milestones will create more targeted learning outcomes and involve more frequent, formative assessments within the clinical workplace to ensure residents are developing and receiving feedback on the skills they need.

Programs will transition to CBD according to a nationally coordinated schedule. All programs implementing CBD will continue to undergo the same rigorous accreditation processes as traditional programs. All CBD programs (and traditional programs) will continue to lead to Royal College approved certification. Certification for trainees in both CBD and traditional programs will include the completion of a Royal College examination; however, residents in CBD programs will also be assessed against program milestones throughout their training. Within a CBD program, all milestones (documented within an electronic portfolio) and the Royal College examination must be successfully completed to achieve certification.

For more information, please contact cbd@royalcollege.ca.

III. **LICENSURE**

The responsibility for determining licensure to practice in Canada rests with each individual province and territory. Since January 1, 1994, there has been national agreement to establish a uniform standard which would enable portability of licensure among all Canadian provinces. The requirements for such a license are:

1. An M.D. degree
2. Parts I and II of the Medical Council of Canada Qualifying Examination (MCCQE). Part I is written in May of the final year of medical school. Eligibility for Part II requires:
 - a) having successfully passed Part I, and
 - b) having completed 12 months of postgraduate clinical training.

After having passed Parts 1 and 2 of the MCCQE the individual is awarded the Licentiate of the Medical Council of Canada (LMCC).

3. Certification from either the College of Family Physicians of Canada or the Royal College of Physicians and Surgeons of Canada. Certification by the Royal College will lead to a Defined License, allowing one to practice in the specialty for which training was taken. Certification by the College of Family Physicians will lead to a General License.

IV. **HOW DOES ONE ACCESS POSTGRADUATE TRAINING?**

Application for postgraduate positions in all programs is made through the Canadian Resident Matching Service (CaRMS). The Faculty of Medicine and Dentistry provides career counselling programs to enable students to make as informed choices as possible when applying for postgraduate programs during their final year of medical school. These career counselling programs include the Residency Fair, access to Glaxo Pathways Program during Phase II, and enhanced use of Faculty Advisors.

V. ARE YOU INTERESTED IN A PREDOMINANTLY ACADEMIC CAREER?

The Faculty of Medicine and Dentistry has a very strong research component within the 20 departments and 7 research divisions, attracting approximately \$100 million annually in external research funding. We also have approximately 20 interdisciplinary research groups comprised of basic and clinician-scientists who approach problems with a "bench to bedside" and "bedside to bench" philosophy. Most all our departments offer graduate degree programs under the auspices of the Faculty of Graduate Studies and Research. The climate is excellent for advanced research training, and interdisciplinary and collaborative research programs are encouraged. The Royal College of Physicians and Surgeons has established the Clinician Investigator Program (CIP). This program is designed to encourage an additional two years of carefully supervised research activity aimed at achieving certification in a Royal College Specialty as well as providing the basis for a MSc or PhD degree.

For further information on our research training and graduate programs please visit our website at <http://www.med.ualberta.ca/programs>

POSTGRADUATE PROGRAMS OFFERED AT THE UNIVERSITY OF ALBERTA

Legend

Name of Program

- 1** *Length of Program or Competency Based (CBD Program)*
- 2** *Estimated Number of positions for 2021 CaRMS Match*
- 3** *Entrance requirements*
- 4** *Program Director (Telephone)*
- 5** *Additional Comments*

A. College of Family Physicians of Canada Programs

Family Medicine

- 1 2 years
- 2 47 positions
- 3 MD degree
- 4 Dr J Chmelicek (780-492-9961)

Family Medicine – Distributed Sites (Red Deer, Grande Prairie, Yellowknife)

- 1 2 years
- 2 15 positions
- 3 MD degree
- 4 Dr J Chmelicek (780-492-9961)

Family Medicine Enhanced Skills Programs

Care of the Elderly

- 1 1 year
- 2 2 positions
- 3 CFPC certification
- 4 Dr Leslie Charles (780-735-8882)

Emergency Medicine (CFPC)

- 1 1 year
- 2 7 positions
- 3 CFPC certification
- 4 Dr N Dhaliwal (780-492-9961)

Family Medicine Anesthesia

- 1 1 year
- 2 3 positions
- 3 CFPC certification
- 4 Dr W Flexer (780-492-9961)

Palliative Care Medicine

- 1 1 year
- 2 3 positions
- 3 CFPC certification
- 4 Dr S Burton MacLeod (780-735-7727)

Sports & Exercise Medicine

- 1 1 year
- 2 1 position
- 3 CFPC certification
- 4 Dr K Anstey

B. Royal College of Physicians and Surgeons of Canada Programs**Anesthesiology and Pain Medicine**

- 1 CBD Program
- 2 7 positions
- 3 MD degree
- 4 Dr H Ting (780-407-1877)

Clinician Investigator Program

- 1 2 year
- 2 Variable
- 3 PGY2 or later
- 4 Dr S McMurty (780-492-4915)

Critical Care Medicine

- 1 CBD Program
- 2 Variable
- 3 RCPSC Certification (or eligibility) in one of the base specialties of Emergency Medicine, Internal Medicine, Surgery, Anesthesiology
- 4 Dr A Romanovsky (780-492-8311)

Emergency Medicine (RCPSC)

- 1 CBD Program
- 2 positions
- 3 MD degree
- 4 Dr S Dong (780-492-9962)

Laboratory Medicine & Pathology Programs

Anatomical Pathology

- 1 CBD Program
- 2 2 positions
- 3 MD degree
- 4 Dr K. Cheung (780-407-2606)

General Pathology

- 1 CBD Program
- 2 1 position
- 3 MD degree
- 4 Dr A Macyk-Davey (780-407-2606)

Hematological Pathology

- 1 CBD Program
- 2 2 positions
- 3 MD degree
- 4 Dr K Wong (780-407-2012)

Medical Microbiology

- 1 CBD Program
- 2 1 position
- 3 MD degree
- 4 Dr N Zelyas (780-492-2306)

Forensic Pathology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in General or Anatomical Pathology
- 4 Dr C Wu (780-427-4987)

Medicine Programs

Internal Medicine

- 1 CBD Program
- 2 27 positions
- 3 MD degree
- 4 Dr S Katz (780-248-1347)

Cardiology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr C Butler (780-248-1441)
- 5 First year of the program can be accredited as one year towards certification in Medicine

Dermatology

- 1 CBD Program (July 1, 2022)
- 2 2 positions
- 3 MD degree
- 4 Dr E. Chow (780-248-1353)

Endocrinology and Metabolism

- 1 2 years
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr M Ghosh (780-248-1346)-Adult Endocrinology/Metabolism
- 5 First year of the program can be accredited as one year towards certification in Medicine

Gastroenterology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr K Kroeker (780-492-8243)-Adult Gastroenterology
- 5 First year of the program can be accredited as one year towards certification in Medicine

General Internal Medicine

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr J Ringrose (780-492-6280)
- 5 First year of program can be accredited as one year towards certification in Medicine

Geriatric Medicine

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr A Hussain (780-735-8827)
- 5 First year of program can be accredited as one year towards certification in Medicine

Hematology

- 1 CBD Program (July 1, 2022)
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr M Hamilton (780-248-1344)-Adult Hematology
- 5 First year of the program can be accredited as one year towards certification in Medicine

Infectious Diseases

- 1 2 years
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr I Chiu (780-492-7174)
- 5 First year of the program can be accredited as one year towards certification in Medicine

Nephrology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr M Courtney (780-492-7174)- Adult Nephrology
- 5 First year of the program can be accredited as one year towards certification in Medicine

Neurology (Adult)

- 1 CBD Program
- 2 4 position
- 3 MD degree
- 4 Dr W Hussain (780-248-1630)

Respirology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr C Chung (780-492-1473) Adult Respirology
- 5 First year of the program can be accredited as one year towards certification in Medicine

Rheumatology

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr C Ye (780-248-1346)
- 5 First year of the program can be accredited as one year towards certification in Medicine

Occupational Medicine

- 1 2 years
- 2 variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr Q Durand-Moreau (780-492-6771)
- 5 First year of the program can be accredited as one year towards certification in Medicine

Physical Medicine and Rehabilitation

- 1 CBD Program
- 2 3 positions
- 3 MD degree
- 4 Dr H Lindstrom (780-735-8870)

Public Health and Preventive Medicine

- 1 5 years
- 2 0 positions
- 3 MD degree
- 4 Dr K Lee (780-492-1366)

Public Health and Preventive Medicine w/ Family Medicine

- 1 5 years
- 2 1 positions
- 3 MD degree
- 4 Dr K Lee (780-492-1366)

Obstetrics and Gynecology Program

- 1 CBD Program
- 2 6 positions
- 3 MD degree
- 4 Dr V Capstick (780-735-4806)

Oncology Programs**Medical Oncology**

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Medicine
- 4 Dr S Basi (780-432-8513)
- 5 First year of the program can be accredited as one year towards certification in Medicine

Radiation Oncology

- 1 CBD Program
- 2 2 position
- 3 MD degree
- 4 Dr A Duimering (780-432-8754)

Ophthalmology Program

- 1 5 years
- 2 3 positions
- 3 MD degree
- 4 Dr C Solarte (780-735-5954)

Pediatric Programs**Pediatrics**

- 1 CBD program
- 2 10 positions
- 3 MD degree
- 4 Dr J Foulds (780-248-5544)

Developmental Pediatrics

- 1 2 years
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr L Lemieux (780-735-6097)

Neonatal Perinatal Medicine

- 1 CBD Program
- 2 Variable
- 3 Previous RCPSC Certification (or eligibility) in Pediatrics
- 4 Dr S Cormier (780-407-1305)
- 5 First year of the program can be accredited as one year towards certification in Pediatrics

Cardiology

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr E Tham (780-248-5445)

Critical Care

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr C Larson (780-248-5445)

Pediatric Emergency Medicine

- 1 2 years
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr B Stauffer (780-248-5533)

Endocrinology & Metabolism

- 1 3 Years
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr C Grimbly (780-248-5539)

Gastroenterology

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr J Silverman (780-248-5539)

Hematology/Oncology

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr M Spavor (780-248-5531)

Infectious Diseases

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr. M Hawkes (780-248-5531)

Neurology (Pediatric)

- 1 CBD Program
- 2 1 position
- 3 MD degree
- 4 Dr F Morneau-Jacob (780-248-5543)

Nephrology

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr A Alabbas (780-248-1628)

Respirology

- 1 CBD Program
- 2 Variable
- 3 First year of the program can be credited towards RCPSC certification in Pediatrics
- 4 Dr A Carroll (780-248-5543)

Psychiatry Programs

Psychiatry

- 1 CBD Program
- 2 9 positions
- 3 MD degree
- 4 Dr K Hibbard (780-407-6938)

Child & Adolescent Psychiatry

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Psychiatry
- 4 Dr L VanRiper (780-342-1611)

Forensic Psychiatry

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Psychiatry
- 4 Dr L Zedkova (780-342-5313)

Geriatric Psychiatry

- 1 CBD Program
- 2 Variable
- 3 Prior RCPSC certification (or eligibility) in Psychiatry
- 4 Dr S Magnan (780-342-6552)

Radiology & Diagnostic Imaging Programs**Diagnostic Radiology**

- 1 CBD Program (July 1, 2022)
- 2 4 positions
- 3 MD degree
- 4 Dr A Kanigan (780-407-6810)

Nuclear Medicine

- 1 CBD Program
- 2 2 positions
- 3 MD degree
- 4 Dr A Tamm (780-407-6810)

Pediatric Radiology

- 1 1 year
- 2 Variable
- 3 RCPSC Certification (or eligibility) in Diagnostic Radiology.
- 4 Dr L Jamieson (780-407-1210)

Surgery Programs**General Surgery**

- 1 CBD Program
- 2 6 positions
- 3 MD degree
- 4 Dr A Bennett / Dr D Mapiour (780-407-6325)

Cardiac Surgery

- 1 CBD Program
- 2 1 position
- 3 MD degree
- 4 Dr S. Meyer (780-407-7454)

Neurosurgery

- 1 CBD Program
- 2 2 positions
- 3 MD degree
- 4 Dr M Chow (780-407-1591)

Orthopedic Surgery

- 1 CBD Program
- 2 3 positions
- 3 MD degree
- 4 Dr R Chan (780-407-6042)

Otolaryngology – Head & Neck Surgery

- 1 CBD Program
- 2 2 positions
- 3 MD degree
- 4 Dr H El-Hakim (780-407-6042)

Plastic Surgery

- 1 CBD Program
- 2 1 position
- 3 MD degree
- 4 Dr J Zhu (780-407-1591)

Urology

- 1 CBD Program
- 2 3 positions
- 3 MD degree
- 4 Dr P Metcalfe (780-990-7093)