

CAGS
Resident Handbook
2022-2023



CANADIAN ASSOCIATION OF
General Surgeons

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Welcome to General Surgery!

Congratulations on your match! We are excited to welcome you into the Canadian Association of General Surgeons. Your hard work and dedication to your education have not gone unnoticed. We look forward to working with you now and throughout your careers.

The CAGS Residents Committee, made up of representatives from all Canadian General Surgery programs, developed this handbook for you, the General Surgery resident. We have pulled together a variety of resources that we hope will help you on our journey as a resident and into your career as a general surgeon. We have also tried to answer some of the questions that will likely arise during your training around CBD learning, electives, fellowships, and job hunting. It is our hope that the resident handbook which is updated annually can be a resource for you throughout your years as a general surgery resident. In addition to the handbook, other initiatives from the CAGS resident committee can be found on our social media. Check out the links below for more information.

Check out the resident's Facebook page at "[CAGS Residents](#)" for interesting articles and information related to General Surgery. Be sure to like our page!

Follow CAGS Residents via our Twitter account ("[CAGS Residents](#)"), as well as the CAGS Residents Instagram page ([@cags_residents](#))!

About CAGS

The Canadian Association of General Surgeons is the only national organization entirely dedicated to representing the interests of General Surgeons in Canada.

As a general surgery resident in Canada, your membership with the association is paid for by your residency program. We invite you to explore the membership benefits available to you on our website, www.cags-accg.ca.

Highlighted Benefits

- Resident representation on the Board of Directors and several CAGS Committees
- [Annual CAGS Exam resources](#) and [Review Webinar series](#)
- Live webinars on a variety of clinical and non-clinical topics (recordings also available)
- National teaching rounds
- Annual Resident Research Retreat
- Annual Resident Teaching Awards
- [National Events Calendar](#)
- [CGSF 40,000\\$ Operating Grant Competition](#)
- Monthly newsletters
- [Job Board](#) that includes career, locum, and fellowship opportunities
- [Rural Surgery Mentorship program](#)
- [Women in Surgery Mentorship program](#)
- [Affinity programs](#) with: Goodlife Fitness, Perkopolis, TD Meloche Monnex
- Discounted submission fees with the Canadian Journal of Surgery
- Advocacy for issues such as national licensure and workforce planning
- Resident content [highlighting research and accomplishments of our fellow peers](#)

The Membership and Programs Manager, Ms. Sarah Vout, is always available to answer any questions you may have about your CAGS membership. She can be reached at sarah@cags-acc.ca.

CAGS Resident Committee

The Resident Committee is made up of one representative from each of the general surgery residency programs in Canada. The committee meets virtually every other month throughout the year in order to discuss common issues facing surgical residents across the country. Committee members are also assigned to directorships. These are sub-groups within the committee that are tasked with various projects throughout the year. Here are the positions and what our directorships are currently working on:

Resident Committee Co-chairs	Oversees committee meetings and supports directors in fulfilling their responsibilities as needed.	Nadia Khan (Ottawa)	nadkhan@toh.ca, nadiakhan2017@gmail.com
		Ashley Robinson (Dalhousie)	ashley.m.robinson@dal.ca

Sponsorship Directors	Coordinates the creation and distribution of CAGS scrub caps for all new PGY1 residents annually. Contributes to the creation and distribution of CAGS-branded clothing.	Janyssa Charbonneau (Laval)	janyssa.charbonneau.1@ulaval.ca
		Nicole Labine (USask)	nkl871@usask.ca
Survey Directors	Responsible for quarterbacking the creation of the National Resident Survey, its distribution to residents, and the eventual presentation of its results at the CSF CAGS Resident Symposium in September.	Sachin Doshi (Toronto)	sachin.doshi@mail.utoronto.ca
		Pam McIntosh (Manitoba)	mcintosp@myumanitoba.ca
		Ramya Kancherla (McMaster)	ramya.kancherla@medportal.ca
		Sarah Mansouri (Sherbrooke)	sarah.mansouri@usherbrooke.ca
Research Director	Responsible for the promotion of research activities within the Canadian General Surgery resident body. Coordinates the Resident Research Corner program.	Karan D'Souza (UBC)	karan.dsouza@alumni.ubc.ca
Scrub Caps Off Director	Coordinates the monthly resident profiling feature, "Scrub Caps Off".	Jaymie Walker (Calgary)	jaymie.walker@ucalgary.ca
Social Media Director	Coordinates our social media presence, maintaining regular Facebook/ Twitter/ Instagram postings and trying to grow how we reach residents.	Abigail Arnott (Western)	aarnott2021@meds.uwo.ca



	Responsible for the creation of the Resident Awareness Week poster and its distribution. Helps co-chairs organizing the CAGS CSF Resident Social.		
Resident Handbook Directors	In charge of updating, improving, and distributing the Resident Handbook, the ultimate resource for general surgery residents in Canada in English and French.	Josie Cipolla (McGill)	josie.cipolla@mail.mcgill.ca
		Brynn Aucoin (NOSM)	baucoin@nosm.ca
Mentorship Directors	Develop and maintain the General Surgery mentorship program across Canada. Develop and organize a symposium at the CAGS CSF meeting geared towards medical students.	Jessica MacIntyre (Queen's)	0jnm@queensu.ca
		Cecily Stockley (MUN)	cecily.stockley@mun.ca
		Kieran Purich (Alberta)	kpurich@ualberta.ca
Diversity Director	Engage and recruit medical learners from diverse backgrounds and minority groups. Help create a more equitable environment and culture in General Surgery by liaising with mentorship and diversity programs across the country. Ensure committee programming is inclusive for all.	Aghiles Abbad (Montreal)	aghiles.abbad@umontreal.ca



Useful Reference Materials

Textbooks

All are available online for free at <http://www.cma.ca> . These books are generally equivalent, so pick one to start your adventure in General Surgery Reading. We suggest you borrow them from the library or peruse online before you buy to find the best fit for you.

MUST HAVE ONE OF THESE:

Schwartz

Advantages: General guide on all general surgical issues. Anatomy, embryology, pathophysiology.

Disadvantages: Not an atlas or surgical technique book. Too detailed at times, difficult to recall all material read in one sitting.

Use for: Outlining presentations, Surgical Foundations, a starting point for junior residents, general overview of all topics.

Sabiston

Advantages: General guide on all general surgical issues. Includes anatomy, embryology, pathophysiology. Some of us think it is the most useful of the three in preparing for oral exams and attendings' quizzes as opposed to Greenfield's being better for preparing for written exams.

Disadvantages: Not an atlas or surgical technique book. Too detailed at times, difficult to recall all material read in one sitting.

Use for: Outlining presentations, Surgical Foundations, acts as starting point for junior residents, general overview of all topics.

Greenfield's

Advantages: Some find it easier to read and remember chapter details.

Disadvantages: Again, no specific operative details.

Use for: Overview for junior and senior residents, good review book.

American College of Surgeons

Advantages: Available online, updated yearly, free with your ACS or CMA membership, review questions at the end of every chapter.

Cameron: Current Surgical Therapy (consider after Surgical Foundations)

Advantages: Clinically relevant, contains algorithms, good preparation for senior years post-Surgical Foundations. Provides a very focused and manageable overview of specific subtopics.

Disadvantages: Minimal anatomical information, minimal pathophysiology, difficult for junior residents due to lack of background knowledge. Different authors for each edition therefore little continuity between editions.

Other Helpful General References

Lange: Current Diagnosis and Treatment - Surgery

Advantages: Brief, concise, portable, introduction to a topic, information on other surgical specialties.

Disadvantages: Not enough detail. Not appropriate for advanced levels.

Use for: Junior residents, medical students, on call issues.

Rush Review of Surgery

Advantages: Pure question and answer format. Mostly only useful for self-assessment as there is only a brief explanation of answers. Very helpful to check knowledge of concepts and identify weak areas.

ABSITE Review

Advantages: Good reference for Surgical Foundations, portable, easy to read, additional subspecialty information.

Disadvantages: Too general for senior years, no surgical techniques.

Operative Dictations in General and Vascular Surgery

Advantages: Helpful for learning to dictate. Great script/starting point.

Top Knife

Well-loved book on emergency general surgery. Easy to read style, fun for all ages. Great tips for surgeons interested in trauma.

Cope's Early Diagnosis of the Acute Abdomen

Advantages: reasoned approach to physical exam. A classic. Latest edition is 2010.

Disadvantages: Not a good quick reference, this is more a cover-to-cover read.

Chassin's Operative Strategy in General Surgery: An Expositive Atlas

Advantages: Excellent approach to most general surgical operations in a concise and practical format. Nice figures and well written. Good description of the steps of an operation, useful for preparing for oral exams.

Disadvantages: May not be the most up to date textbook regarding surgical decision-making.

Shackelford, Surgery of the Alimentary Tract

Advantages: Complete review of pathologies of the GI tract. Used by some programs as THE review book for PGY-5. Especially good for pancreaticobiliary tract. Outstanding figures.

Disadvantages: Does not cover non-GI general surgery.

Acute Care Surgery: Principles and Practices

Advantages: Good for residents interested in acute care surgery/trauma/ICU.
Head-to-toe approach to surgical emergencies.

Disadvantages: NOT a review book.

Atlases, Books on Surgical Technique

MUST HAVE ONE OF THESE:

Skandalakis: Surgical Anatomy and Technique: A Pocket Manual

Advantages: Quick reference for surgical anatomy and technique if you have not reviewed the operation beforehand. Good to keep in locker.

Disadvantages: Not very detailed, no thorough anatomy, all pictures in black and white.

Use for: Reviewing operation and techniques pre-op.

Zollinger: Atlas of Surgical Operations

Advantages: Lots of pictures, the classic atlas.

Disadvantages: Minimal written detail, cumbersome and not portable.

Mastery of Surgery

Advantages: Covers a lot of laparoscopic and open surgery, information on pre-operative and post-operative care, thorough review of anatomy, excellent colour pictures. Available online.

Disadvantages: Not a quick reference, not always up to date.

Use for: Learning operative steps.

Operative anatomy: Scott-Connor, Dawson

Advantages: Focuses on important anatomy for surgical procedure, good written details on how to perform operations.

Disadvantages: Could use more pictures, not a lot of information on pre-and post-operative management and complications.

Use for: Learning operations

Maingot's Abdominal Operations, Volume I and II

Advantages: Good mix of text and atlas. Great technical details. Clear illustrations and good literature review. Benefits both senior resident and general surgeon.

Disadvantages: Not portable (except newest edition)

Atlas of Laparoscopic Surgery

Advantages: Atlas of laparoscopic procedures, both basic and advanced. Includes commentaries and illustrations.

Pocket references

The Mont Reid Surgical Handbook

Good for R1 and preparing right before a case or consult, point form and brief.

On Call: Principles and Protocols, and On Call: Surgery

Excellent reference for ward management, junior resident level.





MD Anderson






Concise review on all cancers, including epidemiology, diagnostic tests and treatment algorithms. Good references. Only draw-back: very specific to MD Anderson protocols.

University of Toronto Surgical Oncology Manual



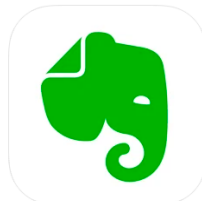
A concise and practical guide to nearly all cancers general surgeons have to deal with.

Useful Phone Apps

App Name	Description	Pros	Cons
TNM Cancer Staging Calculator 	Generates TNM staging criteria and uses HER2, ER, PR status to generate prognostic score	Simple to use Free of charge Definitions based on 8th edition of AJCC Cancer Staging Manual	
Chirurgie 39.99\$ once 	Practical diagnosis-based guide to common General Surgery conditions including epidemiology, clinical presentation, investigation and treatment/management	Compiled from notes from ULaval study guide for the Royal College exam Easy search function Allows for personal note taking in-app	Available only in French Moderate one-time fee
Lanthier 24.99\$ once 	Internal medicine information and guidelines based on the 7th edition of the Lanthier pocketbook. Organized by diagnosis/clinical presentation	Free download and 7 day trial Allows for personal note taking in-app	24.99 for full features In-App purchases
INESSS 	The Institute national d'excellence en santé et en services sociaux (INESSS) developed this guideline to antibiotic treatment of common medical and surgical pathologies	Free of charge Bilingual	English updates are less frequent Improvements needed for user interface

App Name	Description	Pros	Cons
MedCalX 6.99\$ once 	Easy to use tool to determine medical condition scores, classifications and use of formulas in areas such as ICU, cardiology, anesthesiology, pediatrics and more	Free download Access to small number of formulas for free, 300 when purchased Formulas and uses explained Allows adding personal notes	In-App purchases Free version does not allow for unit conversion
MDOncall 13.99\$ once 	Useful tool for common issues and calls for inpatients and emergency consultations, organized by clinical presentation	Lists of appropriate investigations provided Well elaborated treatment algorithms	English only
IR Hemo Guide 1.99\$ once 	Tool for managing anticoagulation peri-interventionally (when to hold and resume), considering creatinine clearance, INR and procedure risks among other factors	Easy to use interface and decision trees Bilingual	Specific to interventional radiology procedures
UpToDate 	UpToDate is the leading clinical decision support resource with evidence-based clinical information – including drug topics and recommendations that clinicians rely on at the point of care.	Easy to use app version of website, stores continuing medical education credits, and saves page bookmarks and highlights	If not covered by Medical School, expensive annual fee
Guide AOD Free 	Guide for direct oral anticoagulation use, indications, doses, interactions, contraindications, peri and postoperative management and necessary follow up	Free off charge	French only



App Name	Description	Pros	Cons
RX Critique 14.99\$ annual 	<p>This is an Intravenous Critical Drugs Guide intended as a reference for 60 of the most commonly used IV drugs on dosages, stability, precautions with use etc.</p>	<p>Now on 11th edition Free to download, restricted access</p>	<p>Annual fee of 14.99 for full access</p>
RX Vigilance 299\$ annual 	<p>A reference tool that features information on drugs and health. Provides relevant and up to date information from several dozen leading reference sources. Drug monographs, pharmacological profile analysis, and information on natural products and travel</p>	<p>Large library of medications, their indications, interactions and safety profiles Travel immunization requirements</p>	<p>Requires account, and annual fee for full access</p>
Evernote 89.99\$ annual 	<p>Allows writing and capturing ideas as searchable notes, checklists, to-do lists and compiles as notebooks Storage capacity for downloaded documents</p>	<p>Includes free trial to monthly personal planner Compatible with multiple devices Search function within saved notes Calendar syncing</p>	<p>Pricing for premium subscription Password protected, low security</p>



Online Resources

Name	Description	Where to find
SAGES Surgical Fundamentals	Free access to didactic content for the SAGES' FLS, FES, FUSE, and Safe Cholecystectomy programs.	https://fesdidactic.org/
National Comprehensive Cancer Network	Up to date guidelines of management of cancer patients from screening and diagnosis, to treatment.	https://www.nccn.org/
TVAsurg	The Toronto Video Atlas of Surgery is a 3D-animation enhanced surgical video atlas.	https://pie.med.utoronto.ca/TVASurg/about/atlas/
Surgical Council on Resident Education	Provides high-quality educational materials and a structured program for self-learning on a wide variety of general surgery and subspecialty topics.	https://www.surgicallcore.org/

Wellness Resources

Have a question about personal, physical, or financial wellness? We do too! Here we have compiled some resources available to residents that we hope can help you on your way to wellness in residency.

Need help now?

Crisis Hotline and local resources: 1.833.456.4566,
<https://www.crisisservicescanada.ca/en/>

School Resources

Each school has resident wellness resources available. To find what is available at your program check out below:

UBC	https://postgrad.med.ubc.ca/resident-wellness/
Alberta	https://www.ualberta.ca/medicine/resources/faculty-and-staff/support-wellness/postgraduate/committee.html
Calgary	https://cumming.ucalgary.ca/pgme/wellness/residents
Saskatchewan	https://medicine.usask.ca/residents/wellness.php
Manitoba	https://umanitoba.ca/faculties/health_sciences/medicine/wellness/index.html
NOSM	https://www.nosm.ca/residency-programs/resident-wellness/
Western	https://www.schulich.uwo.ca/medicine/postgraduate/current_learners/support_and_counselling.html
McMaster	https://pgme.mcmaster.ca/traineeaffairs/
Toronto	https://pgme.utoronto.ca/current-trainees/while-youre-training/access-wellness-resources/
Queen's	https://meds.queensu.ca/academics/postgraduate/prospective/wellness
Ottawa	https://med.uottawa.ca/postgraduate/tools-and-resources/well-being-program-physicians-training

McGill	https://www.mcgill.ca/thewelloffice/our-services/pgme/wellness-support/mcgill-resident-wellness-ambassadors
Montreal	https://medpostdoc.umontreal.ca/ressources-daide/
Laval	https://www.ulaval.ca/etudiants-actuels/ressources-daide
Sherbrooke	https://www.usherbrooke.ca/etudiants/sante-et-aide-a-la-personne/aide-a-la-vie-etudiante/
Dalhousie	https://medicine.dal.ca/departments/core-units/resident-affairs.html
Memorial	https://www.med.mun.ca/PGME/Resident-Support-Services-(1).aspx

In addition to resources offered through your school or program, you can also check out your provincial physicians association, provincial resident associations (see professional and resident associations section at the end of this document for links), RDOCs (<https://residentdoctors.ca/areas-of-focus/wellness/>), or the CMPA (<https://www.cmpa-acpm.ca/en/advice-publications/physician-wellness>).

Physical Wellness

Nutrition

No time to cook? We’ve all been there with endless hospital cafeteria meals and late night fast food runs. Here are some alternatives that you might consider the next time you’re running low on time or energy. Some of the options could include grocery delivery and meal subscriptions. They can come through in a pinch though still require you to do the preparation of the meal itself. Another alternative in many cities are seasonal produce boxes, often they are weekly subscriptions that you can pick up (some even offer delivery) which can supply a variety of local fresh produce. This can also be a great way to add some variety to your diet.

Exercise

Gym? Yoga? Fitness classes? Biking? Hiking? Climbing? Skiing? Team sports? Whatever it is that makes you feel good, keep doing it! Don’t get discouraged that some days/weeks/months you will be too tired to make it to the gym or your call schedule won’t match up with your class time. Do your best to make the time when you can but don’t be too hard on yourself either. Getting outside can also be a great way to get out of a rut – even for a 10-15 min walk. There are a variety of fitness apps that can help to keep you motivated and to fit workouts into your busy schedules. One of the best pieces of advice we received was to sign up for the team/activity that you enjoy, even if you

know you can't make it to every game/practice/event. You can still enjoy it for the times when you can make it!

Financial Wellness

The state of our finances also contributes to our sense of well-being. In a time of new commitments and responsibilities, don't hesitate to seek out support and guidance when it comes to managing your income and expenses. Questions about tackling your medical school debt load? Which disability insurance plan is right for you? How to save for a rainy day? Here are some resources we've found to be helpful:

- Disability Insurance options for Canadian Medical Residents Youtube video
 - [Disability Insurance Simplified](#) by Dr. Stephanie Zhou MD, MSc, University of Toronto
- Physician Financial Independence (Canada) Private Facebook group
 - Run by a physician couple aiming to help medical professionals learn how to save, invest, and pay off debt
<https://www.facebook.com/groups/303157906773998/>
- Financial Management: [Intro to Personal Finance: Residents & Medical Students](#) by Drs. Jane and Paul Healey, University of Toronto

Some schools also provide tailored financial services to their residents so we encourage you to check them out!

UBC	https://postgrad.med.ubc.ca/current-trainees/transition-into-practice/financial-management/
Alberta	https://www.ualberta.ca/anesthesiology-pain-medicine/programs/post-graduate-program/wellness-resources/financial.html
Calgary	https://www.ucalgary.ca/registrar/finances
Saskatchewan	https://medicine.usask.ca/students/undergraduate/student-affairs.php#iconbulletsFinancialResources
Manitoba	https://umanitoba.ca/faculties/health_sciences/medicine/wellness/mpas_financial.html
Western	https://iwellness.uwo.ca/financial/index.html
McMaster	https://studentsuccess.mcmaster.ca/category/financial-wellness/
Toronto	https://people.utoronto.ca/wellness-domain/financial-well-being/
McGill	https://www.mcgill.ca/thewelloffice/our-services/ugme-dentistry/financ



Moving to a new city?

Did the Match take you to a new city? It did for a lot of us across the country! Starting residency can be a big adjustment in more ways than one and adding a move to the mix can add to the nerves regardless of how old you are, if you've done it before, if you are making the move alone or with your family. Here are some quick tips that can make this adjustment a little bit easier:

1. Get to know your new city – be a tourist for a day, drive or walk around without a set plan and get more familiar with your new home. Scout out your new favourite coffee shop, your go to take-out restaurant for those late nights on call, and get into a routine with a grocery store, pharmacy, hairdresser, etc... the small things can add up to make the adjustment easier.
2. Reach out to other residents – whether it's other residents in your program or other PGY1s that you are meeting, chances are many of them have been in the same position as you. Go out to coffee, go for a walk, order some take out together when on call, really whatever it is that can help you make new connections.
3. Don't give up on your hobbies – Residency can get very busy and can be exhausting but try to keep doing the things you enjoy outside of medicine. These can also be a great way to meet new people. Join a local Facebook group to find other like-minded people in your area.

Research Funding

To obtain dedicated research time it is important to figure out who will pay your salary. As soon as you leave your regular residency for more than six months most provinces will consider that you are no longer providing a service that is worth being remunerated.

Many programs in Canada have internal funds to allow residents to pursue dedicated research. However, these funds can be limited. It is therefore important to apply for external funding. If you manage to get external funds, you will not only be able to pay for lunch, but you will also benefit from the prestige of peer-reviewed funding. It is a great way to validate the importance of your project and begin building your academic capital.

It will be worthwhile to discuss research with a research chair in your program. Some programs have a Surgeon Scientist Program, which may fund you as a resident to complete a M.Sc. or Ph.D. This is tied in with the accredited [Royal College of Physicians and Surgeons Clinician Investigator Program](#) at some schools.

Below are a few key sources of external funding. Keep in mind that there may be other specialty specific funding agencies not listed. Make sure to ask your supervisor about all possible funding opportunities and apply to as many as you can. The process of applying for these types of grants will help you understand your project better and will help you perfect your writing skills.

National and International Funding Sources

Canadian Institute of Health Research (CIHR)

- Masters and doctoral awards. Application deadline changes annually.
- Fellowship award. Application deadline changes annually.

Candidates must choose one or the other. Those with a strong research background and/or previous graduate work may be competitive for the Fellowship award. Those with little or no research experience are probably best suited to the Masters award.

Royal College of Physicians and Surgeons of Canada

Medical Education Research Grant

- Value = \$50,000 over a maximum of 3 years, maximum of \$25,000/year
- Up to \$10,000 in salary support
- Application deadline: March each year

Surgical Society Sources of Research Funding

Canadian Association of General Surgeons

Canadian General Surgery Foundation Operating Grant

- Value = Two grants of \$40,000 each for 1-2 years
- Application deadline: May each year

American College of Surgeons

Resident Research Scholarships

- Value = \$30,000 for 2 years limited to projects in Surgery or surgical specialties
- Applicants who hold a research award from another professional society are not eligible to apply

Association of Academic Surgeons

Research Trainee Research Fellowship Award

Society of University Surgeons

SUS Surgical Research Fellowship Award

For residents who have completed a minimum of two years of residency training and who plan on spending minimum of one year in research

- Value = \$30,000 award for 1 year
- Application deadline: May each year

Society of Gastrointestinal and Endoscopic Surgeons (SAGES)

[SAGES research grant](#)

- Value = up to \$30,000 x 1 year
- To encourage new ideas in endoscopic and gastrointestinal surgery
- Application deadline November each year

Canadian Society of Colon and Rectal Surgeons

[Research Operating Grant](#)

- Value = varies by year
- Application deadline: June each year

Provincial grant sources

There are many provincial grants available, however for the most accurate and timely information you may wish to seek out your Research/Program Director.

Online Resources for Grants and Proposal Writing

Canadian Institutes of Health Research: [Guidebook for New Principal Investigators](#)

National Institutes of Health [Grant Writing Tip Sheets](#)

McMaster University: [Elements of a Successful Proposal](#)

Western University: [Grant Writing Resources](#)

Other Funding Resources

Canada Grant Watch

<https://canada.grantwatch.com/cat/30/science-grants.html>

Physicians' Services Incorporated, for Ontario Residents

<http://www.psifoundation.org/ForApplicants/ResidentResearchGrants.php>

Canadian Society for Clinical Investigation

<https://csci-scrs.ca/awards/csci-resident-research-awards/>

NSERC- Natural Sciences and Engineering Research Council of Canada

https://www.nserc-crsng.gc.ca/NSERC-CRSNG/Eligibility-Admissibilite/students-etudiants_eng.asp

Conferences

Conferences are a great opportunity to present research, gather information on the latest technology and guidelines, and of course meet up with friends from medical school and network with surgical colleagues across Canada and internationally.

Here are a variety of conferences to check out in 2022-2023:

CAGS: Canadian Surgical Forum (September 15-17, 2022, Toronto, ON)

CAPS: Canadian Association of Paediatric Surgeons (September 15-17, 2022, Victoria, BC)

ACS: American College of Surgeons (October 16-20, 2022, San Diego, California)

Critical Care Canada Forum (November 23-25, 2022, Toronto, ON)

STS: Society of Thoracic Surgeons (January 21-23, 2023, San Diego, California)

AHPBA: Americas Hepatico-Pancreatico-Biliary Association (March 9-12, 2023, Miami, Florida)

SSO: Society of Surgical Oncology (March 22-25, 2023, Boston, Massachusetts)

Trauma, Critical Care & Acute Care Surgery

<https://www.trauma-criticalcare.com/tccacs/registration/> (March 28-30, 2023, Las Vegas, Nevada)

SAGES: Society of Gastrointestinal and Endoscopic Surgeons (March 29-April 1, 2023, Montréal, QC)

AAES: American Association Endocrine Surgeons (April 29-May1, 2023, Birmingham, Alabama)

APSA: American Pediatric Surgery Association (May 10-14, 2023, Orlando, Florida)

ASCRS: American Society of Colon & Rectal Surgeons (Jun 3-6, 2023, Seattle, Washington)

CAGS maintains an [event calendar](#) which includes these events and more.

Progressing in Residency

General surgery programs in Canada transitioned to a Competence by Design (CBD) model in July 2020.

This model for education is based on specialty training being broken down into distinct stages with clear learning objectives for each, called [Entrustable Professional Activities](#) (EPAs). This is a combination of time-based and outcomes-based learning. During each stage residents are observed as they work towards achieving their EPAs and receive targeted feedback. A committee for your program is responsible for reviewing resident progress at multiple points throughout the year and they give recommendations on resident progression to subsequent stages as well as address any areas that may require additional attention from the resident or support from the program in order to achieve.

As a junior resident, you will work on two sets of EPAs set out by the Royal College - General Surgery and Surgical Foundations programs. These years focus on EPAs under the *Transition to Disciple* and *Foundations of Disciple* stages. In upper years, the *Core* EPAs make up the vast majority of general surgery training. In the final year, *Transition to Practice* EPAs aim to prepare residents for their transition to staff positions. EPA guides are updated by the Royal College as programs work through this transition period to CBD learning. Year to year the EPAs residents are expected to achieve may differ due to these changes so ensure you know which version of EPAs you are expected to complete. Here is an [EPA tracker](#) that reflects the Surgical Foundations Version 2.0 (2021) and General Surgery Version 1.0 (2020) EPAs. You may find this useful in keeping track of EPAs that are pending and/or completed. Please note this form was created by a resident as a way to help track their own progress during residency, and is not affiliated with the Royal College. Feel free to use this as a starting point but know that EPA requirements may change over the years and therefore this document may need to be updated periodically.

For more information on CBD learning:

<https://www.royalcollege.ca/rcsite/cbd/competence-by-design-cbd-e>.

For EPA guides in general surgery and surgical foundations:

<https://www.royalcollege.ca/rcsite/documents/cbd/epa-observation-templates-e>

Below is a flexible guideline of expectations for residents throughout the years. Please note the level of responsibility for each operation is extremely rotation/hospital/university dependent. There will be great variability between programs in the expected timeline to achieve these operations. These are estimates only and at the end of your 5 years of training it will not make a difference in which year you became primary surgeon for any given procedure. By your PGY 5 year, you would be expected to be the main surgeon in most general surgery cases with

staff assistance as needed. This would not be the expectation however for subspecialty and fellowship-level cases.

OPERATION	PGY 1-2	PGY 3-4	OPERATION	PGY 1-2	PGY 3-4
Exploratory Laparotomy	Assist/ Surgeon	Surgeon	Axillary LN dissection	Assist/ Surgeon	Surgeon
Exploratory Laparoscopy	Assist/ Surgeon	Surgeon	Thoracotomy	Surgeon	Surgeon
Laparoscopic Appendectomy	Surgeon	Surgeon	Lung resection	Assist/ Surgeon	Assist/ Surgeon
Open Appendectomy	Assist/ Surgeon	Surgeon	Vascular reconstruction	Assist	Assist/ Surgeon
Laparoscopic Cholecystectomy	Surgeon	Surgeon	Pelvic exenteration	Assist	Assist/ Surgeon
Open Cholecystectomy	Assist/ Surgeon	Surgeon	Low Anterior Resection	Assist/ Surgeon	Surgeon
Umbilical Hernia Repair	Surgeon	Surgeon	Abdominoperineal resection	Assist/ Surgeon	Assist/ Surgeon
Laparoscopic inguinal hernia repair	Assist/ Surgeon	Surgeon	Liver resection	Assist/ Surgeon	Assist/ Surgeon
Open inguinal hernia repair	Surgeon	Surgeon	Whipple Procedure	Assist/ Surgeon	Assist/ Surgeon
Lysis of Adhesions	Surgeon	Surgeon	Common Bile Duct Exploration	Assist	Assist/ Surgeon
Small bowel resection/ reanastomosis	Assist/ Surgeon	Surgeon	Thyroidectomy	Assist/ Surgeon	Surgeon
Colectomy (hemi/STC)	Assist/ Surgeon	Surgeon	Parathyroidectomy	Assist	Assist/ Surgeon
Breast Lumpectomy	Surgeon	Surgeon	Parotidectomy	Assist	Assist/ Surgeon
Mastectomy	Assist/ Surgeon	Surgeon	Transplant	Assist	Assist/ Surgeon



National Exams

LMCC II

The Medical Council of Canada no longer administers the LMCC Part II exam. Prior to the COVID-19 pandemic it was a prerequisite to obtaining a medical license for most provincial colleges. It is now sufficient to write the LMCC Part I, which you write prior to starting residency, to obtain your Licentiate of the Medical Council of Canada.

Surgical Foundations

Surgical Foundations is a program that provides a common curriculum in the fundamental skills of surgery for residents in all surgical specialties, concurrent with training in their surgical specialty. At most schools this takes the form of a weekly academic half day throughout PGY1 and into PGY2 leading up to the Surgical Foundations exam. This exam, which is administered by the Royal College, is typically written in the Fall of your PGY2 year. Surgical residents must successfully complete this exam during their training.

To sit this exam in your PGY2 year you must apply to the Royal College **more than 12 months in advance**. You first apply to confirm your eligibility (Deadline: August 31 for the following Fall exam; Fee: \$730). You will then receive an email in March of your exam year confirming your eligibility with the Royal College and with instructions on registering for the exam (Deadline: April 15 for the Fall exam; Fee: \$825). The Royal College has significant fees for late registration (almost the same as the initial eligibility assessment application fee!) so don't miss the deadlines!

Upcoming exam dates:
September 16-17, 2022
September 14-15, 2023

To confirm your eligibility: <https://www.royalcollege.ca/rcsite/credentials-exams-e>

To register: Details on registration will be sent out in the Spring of your exam year.

Preparation suggestions: Most residents chose between Sabiston's and Schwartz's as their go to Surgical Foundations study textbook. Additional exam content is also taken from the Advance Trauma and Life Support (ATLS) textbook and [Canadian Blood Services Professional Guide](#). The basis of most exam questions can be found within these resources. Canadian clinical practice guidelines may also be used. Form a study group and review practice questions together. Many upper year residents will have

practice questions available for you to use. Read around the questions in order to find the answer or better understand the answer provided. [CanadaQBank](#) is another option for practice questions for a fee. Note this exam often sees similar styles of questions or topics year to year. A national practice exam is also held in the spring of each year. Additional information about the format of the exam can be found on the [Royal College website](#).

CAGS Practice Exam

The CAGS practice exam is an annual national practice exam taken by all General Surgery residents. It usually occurs sometime in November or December each year. It is a multiple-choice exam to help prepare for the written portion of the Royal College exam in PGY5. The exam also acts as a tool to measure resident progress throughout training. Your own marks may be compared to your cohort within your program and nationally or compared year to year as you progress.

<https://cags-accg.ca/education/cags-exam-preparation/>

Royal College Exam

This is the final examination prior to becoming a fully qualified general surgeon in Canada. This exam includes two parts: a written exam and an applied (oral) exam. These take place in March and May of your PGY5 year, respectively. You are expected to apply for an assessment of training the spring before you plan to write the exam (ie. spring of PGY4, Deadline: April 30 for the following Spring exam; Price: \$730). Registration for the exam will then open in the fall prior to the exam session (Deadline: November 4th for the Spring exam; Fee: \$4415). Again, the late fees are pricey so don't miss the deadlines!

The written exam is a multiple-choice test. There are two three-hour sections with 100-110 questions in each. The applied exam is an oral exam. A total of eight fifteen-minute stations will be set up in which you will be given a clinical scenario and examiners will ask questions related to this scenario. They will not provide feedback as you go and may interrupt you to move the scenario along or gain a better understanding of your answer. You must pass the written exam in order to sit the oral exam (pass mark 70%).

Upcoming exam dates:

Written exam - March 16-17, 2023

Oral exam - May 25, 2023

To apply for continued training assessment:
<https://www.royalcollege.ca/rcsite/credentials-exams-e>

To register for the exam: Details on registration will be sent out via email in the Fall prior to the exam.

Preparation: This exam covers all knowledge that is expected of a general surgeon practicing in Canada. A Competencies document (previously called Objectives of Training) and Training Experiences document can be found on the [Royal College website](#). This can be a helpful blueprint to guide your studies. There is no cramming for this exam! Start studying early. Form a study group and meet regularly. It may be helpful to divide material into subjects and select readings for each topic. Go through subjects one at a time to ensure you cover everything. Mock oral exams can also be very helpful. Start practicing early and get used to the format of responding to these types of questions. Additional information about the format of the exam can be found on the [Royal College website](#).

Electives

Below you will find helpful information about how to arrange electives at schools across the country. Many residents take this time as a way to try out possible job opportunities for after graduation or to put their best foot forward prior to fellowships applications.

When planning for your electives, it is important to remember that you will need to apply for a license with the college of physicians and surgeons in the province you will be practicing in for the elective. This can take some time to obtain so keep this in mind when arranging electives and give yourself enough time to arrange prior to the start of your elective.

University of British Columbia

- Program Directors: Dr. Tracy Scott, Dr. Ahmer Karimuddin
- Program administrator: Luiza Shamkulova (luiza.shamkulova@ubc.ca)
- Website: <https://surgery.med.ubc.ca/divisions/general-surgery/>
- Fellowships available:
 - Colorectal surgery (PD: Dr. Terry Phang)
 - HPB (PD: Dr. Maja Segedi and Dr. Stephen Chung)
 - MIS (PD: Dr. Adam Meneghetti)
 - Pediatric Surgery (PD: Dr. Robert Baird)
 - Surgical Oncology (PD: Dr. Trevor Hamilton)
 - Thoracics (PD: Dr. James Bond)
 - Trauma/ACS (PD: Emily Joos)
 - Additional information:
<https://surgery.med.ubc.ca/education/postgraduate-education/general-surgery/>
- How to arrange an elective:
<https://postgrad.med.ubc.ca/prospective-trainees/postgraduate-visiting-electives/>

University of Alberta

- Program Directors: Dr. Athena Bennett, Dr. Deng Mapiour
- Program Administrator: Raelin Lightfoot (gsurgpg@ualberta.ca)
- Website: <https://www.ualberta.ca/surgery/divisions/general-surgery/index.html>

- Fellowships available:
 - Head and neck oncology (PD: Dr. Dan O'Connell)
 - Hepatobiliary Surgery (HPB) and Transplantation (PD: Dr Khaled Dajani)
 - MIS/Bariatrics (PD: Dr. Daniel Birch)
 - Acute Care Emergency Surgery (PD: Dr Michael Kim)
 - Additional information:
 - <https://www.ualberta.ca/surgery/divisions/general-surgery/fellowship.html>
- How to arrange an elective: All electives must go through the PGME office. Check out their policies at
 - <https://www.ualberta.ca/surgery/programs/residency/electives.html>

University of Calgary

- Program Director: Dr. Ryan Rochon
- Program Administrator: Erin Layton (Erin.Layton@albertahealthservices.ca)
- Website:
 - <https://cumming.ucalgary.ca/departments/surgery/sections/general-surgery/education>
- Fellowships available:
 - Colorectal (PD: Dr. Donald Buie)
 - Endocrine Surgery (PD: Dr. Janice Pasiaka)
 - Endoscopy (PD: Dr. Nauzer Forbes)
 - Hepatobiliary (PD: Dr. Francis Sutherland)
 - Paediatric Surgery (PD: Dr. Andrea Lo)
 - Surgical Oncology (PD: Dr. Antoine Bouchard-Fortier)
 - Thoracics (PD: Dr. Colin Schieman)
 - Trauma (PD: Dr. Paul McBeth)
 - Upper GI and Laparoscopic surgery (PD: Dr. Neal Church)
 - Additional information:
 - <https://cumming.ucalgary.ca/departments/surgery/education/graduate-education/fellowship-programs>
- How to arrange an elective:
 - <https://cumming.ucalgary.ca/pgme/canadian/visiting-electives>

University of Saskatchewan

- Program Director: Dr. Gavin Beck
- Program Administrator: Karen Bader (karen.bader@usask.ca)
- Website:
 - <https://medicine.usask.ca/department/clinical/surgery-divisions/general.php>



- Fellowships available:
 - Acute Care and Community Surgery (PD: Dr. Niroshan Sothilingam and Dr. Suzie Harriman)
- How to arrange an elective:
 - <https://medicine.usask.ca/contacts/incoming-pgme-electives.php>

University of Manitoba

- Program director: Dr. Andrew McKay
- Program Administrator: Becca Heide (gen.surg@umanitoba.ca)
- Website: https://umanitoba.ca/faculties/health_sciences/medicine/units/surgery/
- Fellowships available:
 - Colorectal (PD: Dr. Ramzi Helewa)
 - Head and Neck surgery (PD: Dr. Alok Pathak)
 - Minimally Invasive Surgery (PD: Dr. Ashely Vergis)
 - Pediatric General Surgery (PD: Dr. BJ Hanock)
 - Thoracics (PD: Dr. Richard Li)
 - Additional information: email surg.fellowships@umanitoba.ca for more details
- How to arrange an elective: email surg.fellowships@umanitoba.ca for more information

Northern Ontario School of Medicine

- Program Director: Dr. Eric Davenport
- Program administrator: Hailey Masiero (hmasiero@nosm.ca)
- Website: <https://www.nosm.ca/generalsurgery/>
- Fellowships available: N/A
- How to arrange an elective: Contact program coordinator.
 - <https://www.nosm.ca/education/medical-electives/>

University of Western Ontario

- Program Director: Dr. Michael Ott
- Program administrator: Rachel Liston (Rachel.Liston@lhsc.on.ca)
- Website: <https://www.schulich.uwo.ca/generalsurgery/>
- Fellowships available:
 - Breast (PD: Dr. Allison Maciver)
 - Transplant/HPB (PD: Dr. Doug Quan)



- MIS, Robotic and Bariatric (PD: Dr. Chris Schlachta)
- Thoracics (PD: Dr. Mehdi Qiabi)
- Additional information:
<https://www.schulich.uwo.ca/generalsurgery/education/fellowship/index.html>
- How to arrange an elective:
https://www.schulich.uwo.ca/medicine/postgraduate/future_learners/visiting_resident_electives/index.html

McMaster University

- Program director: Dr. Michael Marcaccio
- Program administrator: Katie Niblock (niblock@mcmaster.ca)
- Website: <https://surgery.mcmaster.ca/divisions/general-surgery>
- Fellowships available:
 - Breast (PD: Dr. Barbara Heller)
 - MIS (PD : Dr Mehran Anvari)
 - Pediatric General Surgery (PD : Dr. Lisa VanHouwelingen)
 - Thoracic (PD: Dr. Christian Finley)
 - Trauma and Acute Care (PD: Dr. Paul Engels)
 - Additional information:
<https://surgery.mcmaster.ca/divisions/general-surgery/education/fellowship>
- How to arrange an elective:
<https://pgme.mcmaster.ca/apply/electives-application/>

University of Toronto

- Program director: Dr. Savtaj Brar
- Program Administrator: Madeline Ng (madeline.ng@sunnybrook.ca)
- Website: <https://surgery.utoronto.ca/residency-division-general-surgery>
- Fellowships available:
 - Breast (PD: Dr Wey Long, Dr. Adena Scheer)
 - Colorectal (PD: Dr. Helen MacRae)
 - Endocrine (PD: Dr Jesse Pasternak)
 - HPB (PD: Dr. Trevor Reichman)
 - MIS (PD: Dr. Timothy Jackson)
 - Pediatric surgery (PD: Dr. Georges Azzie)
 - Surgical Oncology (PD: Dr. Frances Wright)
 - Thoracics (PD: Dr. Andrew Pierre)
 - Transplant (PD: Dr. Trevor Reichman)

- Trauma/ACS (PD: Najma Ahmed)
- Additional information: <https://surgery.utoronto.ca/fellowship-program>
- How to arrange an elective: Contact the PGME electives program at <https://electives.pgme.utoronto.ca/pgme/electives/>

Queen's University

- Program Director: Dr. David Robertson
- Program administrator: Kim Lloyd (kim.lloyd@kingstonhsc.ca)
- Website: <https://surgery.queensu.ca/postgraduate/general-surgery>
- Fellowships:
 - Bariatric Surgery (FD: Dr. Boris Zevin)
 - Advanced MIS and Robotic Colorectal surgery (FD: Dr. Sunil Patel)
 - Thoracics (PD: Dr. Ken Reid and Dr. Wiley Chung)
 - Additional information: <https://surgery.queensu.ca/postgraduate/fellowship-opportunities>
- How to arrange an elective: <https://meds.queensu.ca/academics/postgraduate/prospective/admission/postgraduate-electives>

University of Ottawa

- Program Director: Dr Lara Williams
- Program administrator: Christine Seabrook (cseabrook@toh.ca)
- Website: <https://www.uottawagensurg.com/>
- Fellowships available:
 - Breast (PD: Dr. Angel Arnaut)
 - Colorectal (PD: Dr. Husein Mooloo)
 - HPB (PD: Dr. Jad Abou-Khalil)
 - MIS/Bariatrics (PD: Nicole Kolozsvari)
 - Pediatric Surgery (PD: Dr. Kyle Cowan)
 - Surgical Oncology (PD: Dr. Carolyn Nessim)
 - Thoracics (PD: Dr. Patrick Villeneuve)
 - Trauma (PD: Jacinthe Lampron)
 - Vascular (PD: Dr. Dalibor Kubelik)
 - Additional fellowship information: <https://med.uottawa.ca/surgery/divisions/general-surgery/fellowships>
- How to arrange an elective: <https://med.uottawa.ca/postgraduate/electives>

McGill University

- Program Director: Dr. Sender Liberman; Assistant PD: Dr. Kate McKendy
- Program administrator: Rita Piccioni at (rita.piccioni@muhc.mcgill.ca)
- Website: [https://www.mcgill.ca/generalsurgery/education/residency#:~:text=The%20trainin g%20program%20is%20under,\(Division%20Director\)%20and%20Dr](https://www.mcgill.ca/generalsurgery/education/residency#:~:text=The%20trainin g%20program%20is%20under,(Division%20Director)%20and%20Dr)
- Fellowship available:
 - Colorectal (PD: Marylise Boutros)
 - HPB/Transplant (PD: Dr. Peter Metrakos)
 - MIS Bariatric (PD: Dr. Amin Andalib)
 - MIS General (PD: Dr Liane Feldman)
 - Pediatric Surgery (PD: Dr. Pramod S. Puligandla)
 - Surgical Oncology (PD: Dr. Elliot Mitmaker)
 - Thoracics (PD: Dr. Jonathan Spicer)
 - Trauma (PD: Dr. Jeremy Grushka)
 - Additional information: <https://www.mcgill.ca/generalsurgery/education/fellowships>
- How to arrange an elective: <https://www.mcgill.ca/pgme/electives>

University of Montreal

- Program Director: Dr Frank Vandenbroucke
- Assistant Program Director: Dr. Mai Gervais
- Program administrator: Yamina Bachi (ybachi.hmr@ssss.gouv.qc.ca)
- Website: <https://chirurgie.umontreal.ca/letter-from-the-chair/>
- Fellowships available:
 - Bariatric, MIS, and Robotic (PD: Dr Pierre Y. Garneau)
 - Colorectal (PD: Dr Rasmy Loungnarath)
 - HPB (PD: Dr Réal Lapointe)
 - Pediatric surgery (PD: Dr. Ann Aspirot)
 - Thoracics (PD: Dr. Pasquale Ferraro)
 - Trauma and Acute Care (D: Dr Stéphane Panic)
 - Vascular (PD: Dr Stéphane Elkouri)
 - Additional information: <https://chirurgie.umontreal.ca/etudes/d-e-s/>
 - Fellowship conditions: https://deptmed.umontreal.ca/wp-content/uploads/sites/7/2011/08/demarques_statut_moniteur_clinique.pdf
- How to arrange an elective: contact the program administrator or department for more information

University of Sherbrooke

- Program director: Dr Émilie Comeau
- Program administrator: Lise Gaudy (chirurgieprogramme-fmss@usherbrooke.ca)
- Website: <https://www.usherbrooke.ca/dep-chirurgie/>
- Fellowships available: N/A
- How to arrange an elective: contact the program administrator or department for more information

Laval University

- Program director: Dr Mony Chhiv
- Program administrator: (programmesdeptchirurgie@fmed.ulaval.ca)
- Website: <https://www.fmed.ulaval.ca/programmes-detudes/etudes-en-medecine/residence-s-etudes-medicales-postdoctorales/residence-en-chirurgie-generale/>
- Fellowships available:
 - Bariatric (PD: Dr. Laurent Biértho)
 - Additional information: <https://www.fmed.ulaval.ca/programmes-detudes/etudes-en-medecine/fellowships-formationen-complementaires/>
- How to arrange an elective: contact the program administrator or department for more information

Dalhousie University

- Program Director: Dr. Lucy Helyer
- Program Administrator: Chantelle Brown (ChantelleM.Brown@nshealth.ca)
- Website: <https://medicine.dal.ca/departments/department-sites/surgery/divisions/general-surgery/education/residency.html>
- Fellowships available:
 - MIS (FD: Dr. James Ellsmere)
 - HPB and Transplant (PD: Dr. Scott Livingstone)
 - Pediatric General Surgery (PD: Dr. Daffyd Davies)
 - Additional information: <https://fellowshipcouncil.org/fellowship-programs/>

- How to arrange an elective:
<https://medicine.dal.ca/departments/core-units/postgraduate/visiting-doctor-electives.html>

Memorial University of Newfoundland

- Program director: Dr. Alex Mathieson
- Program Administrator: Stacy Hicks (stacy.hicks@med.mun.ca)
- Website: <https://www.med.mun.ca/Surgery/Home.aspx>
- Fellowships available: N/A
- How to arrange an elective:
<https://www.med.mun.ca/PGME/Visiting-Residents-Electives-Observerships/Electives.aspx>

Global Surgery

Do you have any interest in global health or international surgery?

Many universities have established international or global surgery offices with the goal of strengthening and empowering health care systems in low-resource settings in Canada and around the world. Resident involvement in these areas may take on a variety of forms including research projects, electives, and more.

Key Websites

- CAGS Global Surgery Committee
<https://cags-accg.ca/about/cags-committees/committee/international-surgery-committee/>
 - Global Surgery: <https://cags-accg.ca/global-surgery/>
 - Additional resources can be found here about global surgery offices at universities across the country
- Canadian Global Surgery Trainees Alliance
 - <https://www.cgsta.org/>
- Bethune Round Table (Virtual Conference 2022_)
<https://globalsurgery.med.ubc.ca/bethune-round-table-2022/>
 - an annual interdisciplinary meeting aimed at addressing the challenges of providing accessible, high-quality surgical care to marginalized patients in low-resource settings
 - The theme for the 2022 meeting is *Decolonizing Global Surgery*
- Canadian Conference on Global Health (November 21-23, 2022, Toronto, ON)
<https://cagh-acsm.org/en/events/canadian-conference-global-health>

Additional resources

- ACS Operation Giving Back: <https://www.facs.org/ogb>
 - Provides information to help surgeons and surgical residents find and organize volunteer opportunities abroad.
- Canadian Network for International Surgery (CNIS): <https://www.cnis.ca/>
 - CNIS believes in sharing knowledge, expertise and experience to promote lasting and sustainable improvements in health and safety in the developing world.
 - Runs programs in eight African countries that focus on surgical skills teaching, injury prevention, and safety promotion
- Canadian Global Surgery Trainees' Alliance: <https://www.cgsta.org/>
 - to develop stronger networks for collaboration, education and advocacy across Canada

Fellowships

General Surgery residency can be the first step towards a variety of fellowship opportunities.

Fellowships are clinical- and/or research-based training programs that residents may choose to pursue after the completion of their residency program. General Surgery fellowship programs in Canada and the US can be accredited through a variety of bodies including: Royal College of Physicians and Surgeons of Canada (RCPSC), Accreditation Council for Graduate Medical Education (ACGME), subspecialty organizations, or from post-secondary institutions.

Fellowship areas that general surgeons may choose pursue following residency include, but are not limited to:

- Acute Care Emergency Surgery
- Bariatric Surgery
- Breast Surgery
- Colorectal Surgery
- Critical Care/ Intensive Care
- Endocrine Surgery
- Endoscopy (advanced and therapeutic techniques)
- Head and Neck Surgical Oncology
- Hepatopancreaticobiliary (HPB)
- Minimally Invasive Surgery
- Pediatric Surgery
- Surgical Oncology
- Thoracic Surgery
- Transplant Surgery
- Trauma Surgery
- Vascular Surgery
- And more...

The application process for fellowship programs can vary significantly between and within subspecialties. It is important to start looking into programs you are interested in well in advance to ensure that you are aware of the application process and timeline. Applications may be run through a match service such as the Canadian Residency Matching System (CaRMS), National Resident Matching Program (NRMP), or The Fellowship Council, or they may be submitted directly to individual programs.

Below you will find information about fellowship training opportunities available within Canada. We have attempted to compile the most up to date information possible but realize this list is likely incomplete and information may change more frequently than this list is updated. We encourage residents to use the information below as a starting point for pursuing fellowships but not as a sole resource. It may be useful to note that many fellowships encourage residents to take an elective in their department during their training if possible. See the *Electives* section above for details about how to arrange electives.

Fellowships by Subspecialty

The information provided below has been gathered for the use of current Canadian general surgery residents as it relates to application for fellowship training positions. The application process for international trainees may differ from what is described below.

NOTE: Most dates listed below are taken from either the 2022 or 2023 application cycle and may vary year to year. Please check program pages regularly for up to date information. Many program applications start during PGY4 year for a start following PGY5 so take note of the application cycle year when looking at programs.

Acute Care Surgery

- See below for trauma and acute care fellowships.

Bariatric

- See below for Minimally Invasive Surgery fellowships.

Breast

- Application: Varies by program. Some are directed to individual programs while others are through the Society of Surgical Oncology (www.surgonc.org)

School	Program Length	Application deadline	Program Information
Western	1 year	Feb 28	https://www.schulich.uwo.ca/generalsurgery/education/fellowship/breast_fellowship.html

McMaster	1 year	August 8th 2022	Administrative Assistant: Dr. Elyse Cornele - cornele@mcmaster.ca
Toronto	1 year	Feb 18	https://surgery.utoronto.ca/breast-surgical-oncology-fellowship-program
Ottawa	1 year		Oncoplastic and research breast surgical oncology https://med.uottawa.ca/surgery/divisions/general-surgery/clinical-programs/breast-surgical-oncology

Colorectal

- Application: Directed to individual programs in Canada or through NRMP in the US (www.nrmp.org)
- Additional information:
 - American Society of Colon & Rectal Surgeons (www.fascrs.org)
 - Canadian Society of Colon and Rectal Surgeons (www.cscrs.ca)

School	Program Length	Application deadline	Program Information
UBC	2 years	March 15	https://surgery.med.ubc.ca/education/postgraduate-education/colorectal-sph/
Calgary	2 years	March 15	https://cumming.ucalgary.ca/departments/surgery/sections/general-surgery/education
Manitoba	2 years	March 15	https://umanitoba.ca/medicine/department-surgery/colorectal-surgery-residency#:~:text=The%20training%20program%20for%20Colorectal,and%20one%20dedicated%20research%20year.
Western	1 year	March 31	<i>New in 2022. Information listed on OAGS job board.</i>
Toronto	2 years	March 15	https://surgery.utoronto.ca/colorectal-surgery-program
Ottawa	2 year	March 15	https://med.uottawa.ca/surgery/divisions/general-surgery/clinical-programs/colorectal-unit
McGill	2 years	Mid August	https://www.mcgill.ca/generalsurgery/education/fellowships/colorectal-surgery-residency-program https://www.mcgill.ca/colorectal/program
Montreal	1-2 years		https://chirurgie.umontreal.ca/etudes/d-e-s/d-e-s-en-chirurgie-colorectale/



Critical Care

- Application: CaRMS (www.carms.ca)
- Additional information: Canadian Critical Care Society (<https://canadiancriticalcare.org/Residency-Programs>)

School	Program Length	Application deadline	Program Information
UBC	2 years	August 22	https://ubccriticalcaremedicine.ca/
Alberta			https://www.ualberta.ca/critical-care/education/fellowship-training.html
Calgary			https://cumming.ucalgary.ca/departments/critical-care/education/critical-care-fellows
Manitoba			https://umanitoba.ca/medicine/department-internal-medicine/critical-care-medicine-residency
Western			https://www.schulich.uwo.ca/criticalcare/education/Critical%20Care%20Western%20Training%20Program.html
McMaster			https://healthsci.mcmaster.ca/anesthesia/education/programs/critical-care-medicine-program
Toronto			https://criticalcare.utoronto.ca/about-program-0
Queen's			https://criticalcare.queensu.ca/academics/residency
Ottawa			https://www.critcaremed-ottawa.org/
McGill			https://www.mcgill.ca/criticalcare/fellows
Montreal			https://deptmed.umontreal.ca/etudes/enseignement-medical-post-doctoral/medecine-de-soins-intensifs-a-dultes/
Laval			https://www.fmed.ulaval.ca/programmes-detudes/etudes-en-medecine/residences-etudes-medicales-postdoctorales/residence-en-medecine-de-soins-intensifs-chez-ladulte/presentation/
Sherbrooke			https://www.usherbrooke.ca/dep-medecine/programmes/les-programmes-de-fellowship/programme-de-fellowship-soins-intensifs-a-visee-communautaire

Dalhousie			https://medicine.dal.ca/departments/department-sites/critical-care/education/subspecialty-training.html
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Endocrine Surgery

- Application and additional information: American Association of Endocrine Surgeons match (www.endocrinesurgery.org)

School	Program Length	Application deadline	Program Information
Calgary	1 year	April 22	https://cumming.ucalgary.ca/sites/default/files/teams/276/general-surgery-endocrine.pdf
Toronto	1 year		https://surgery.utoronto.ca/endocrine-surgery-fellowship-program

Endoscopy

- Application: Directed to individual programs in Canada.
- Most advanced/therapeutic endoscopy programs are run by the department of gastroenterology, however some programs are open to both GI and general surgery residents, others require a completed GI fellowship
- Additional endoscopic training courses: SEE Program (<https://www.cag-acg.org/education/see-program>)

School	Program Length	Application deadline	Program Information
Calgary	1-2 years	March 31st	http://www.calgarygi.com/index.php?mode=webpage&id=595
Western	1 year	August 31 st	https://www.schulich.uwo.ca/gastroenterology/education/advanced_luminal_endoscopy_fellowship.html
McMaster	1 year	Oct 1st	https://healthsci.mcmaster.ca/medicine/division/gastroenterology/education/advanced-endoscopy-fellowship

Head and Neck Oncology

- Application: Varies by program. Some are directed to individual programs while others are through the American Head and Neck Society match (www.ahns.info)



- Note: Most H+N surgery programs are run by ENT departments but may accept applicants from general surgery programs.

School	Program Length	Application deadline	Program Information
Alberta	1 year	March 1	https://www.ualberta.ca/surgery/divisions/otolaryngology-head-and-neck-surgery/otolaryngology-head-and-neck-surgery-fellowship.html
Manitoba	1 year	May 31	https://umanitoba.ca/medicine/department-surgery/head-and-neck-surgical-oncology-fellowship
Toronto	1-2 years	March 1	https://otolaryngology.utoronto.ca/head-neck-surgical-oncology-fellowship

Hepatopancreatobiliary

- Application: Varies by program. Some are directed to individual programs others are through The Fellowship Council (www.fellowshipcouncil.org)
- There may be some overlap between this section and the Transplant Surgery section.
- Additional information:
 - Americas HepatoPancreato Biliary Association (www.ahpba.org)
 - International Hepato-Pancreato-Biliary Association (www.ihpba.org)
 - Canadian Hepato-pancreato-biliary association (<https://www.chpba.ca/education>)

School	Program Length	Application deadline	Program Information
UBC	2 years	Feb 8	<i>HBP and liver transplant fellowship.</i> https://www.fellowshipcouncil.org/directory-of-fellowships/display-listing/?match=1&pid=1500
Alberta	2 year		<i>Hepatobiliary (HPB) Surgery and Transplantation</i> https://www.ualberta.ca/surgery/divisions/general-surgery/fellowship.html https://www.ualberta.ca/alberta-transplant-institute/index.html
Calgary	2 year	Feb 8	https://cumming.ucalgary.ca/departments/surgery/education/graduate-education/fellowship-programs
Western	2 years	Feb 8	<i>HBP and transplant (kidney and liver) fellowship</i> https://www.schulich.uwo.ca/generalsurgery/education/fellowship/hpb.html



Toronto.	2 years	Feb 8	<i>Separate HBP, HPB/Surg Onc and transplant streams.</i> https://www.torontohpbfellowship.com/
Ottawa	2 years	Feb 8	https://www.fellowshipcouncil.org/directory-of-fellowships/display-listing/?match=1&pid=1527
McGill	2 years	Feb 8	<i>Transplant (liver, pancreas, and kidney) and HPB, or MIS HPB.</i> https://www.mcgill.ca/generalsurgery/education/fellowships/transplantation-hepatobiliary-pancreatic-surgery-fellowship
Montreal	1-2 years		https://chirurgie.umontreal.ca/etudes/d-e-s/d-e-s-en-chirurgie-hepatobiliaire-et-pancreatique/
Dalhousie	2 years	Feb 8	<i>HBP and transplant (liver and pancreas)</i> https://www.fellowshipcouncil.org/directory-of-fellowships/display-listing/?match=1&pid=1337

Minimally Invasive Surgery

- Application: Varies by program. Some are directed to individual programs while others are through The Fellowship Council (www.fellowshipcouncil.org)
- Note: Some programs have a bariatric focus while others are general MIS approaches to a wide variety of surgical conditions. Some programs also allow for the option to incorporate advanced endoscopic skills into fellowship training.
- Additional information: Society of American Gastrointestinal and Endoscopic Surgeons (www.sages.org)

School	Program Length	Application deadline	Program Information
UBC	1 year	Feb 8	https://surgery.med.ubc.ca/advanced-mis-fellowship/ http://sls.org/sls-fellowship-programs/sls-fellowship-in-advanced-minimally-invasive-and-endoscopic-techniques-in-general-and-colorectal-surgery/
Alberta	1 year	Feb 8	https://www.albertahealthservices.ca/assets/programs/p_s-1009154-fellowship.pdf
Calgary	1 year	Sept 1	https://cumming.ucalgary.ca/departments/surgery/education/graduate-education/fellowship-programs
Manitoba	1 year		https://umanitoba.ca/medicine/department-surgery/minimally-invasive-surgery-mis-fellowship



Western	1 year	Feb 8	https://www.schulich.uwo.ca/generalsurgery/education/fellowship/advanced_gi_minimally_invasive_robotic_and_bariatric_surgery.html
McMaster	1 year	Feb 8	CMAS Fellowship https://www.cmas.ca/education/fellowships
Toronto	1-2 years	Feb 8	https://surgery.utoronto.ca/minimally-invasive-surgery-program
Queen's	1 year	Feb 8	Bariatrics focus, some UGI https://surgery.queensu.ca/postgraduate/fellowship-opportunities
Ottawa	1 years	Feb 8	Bariatrics focus, some UGI https://med.uottawa.ca/surgery/divisions/general-surgery/clinical-programs/foregut-bariatric-unit
McGill	1 year	Feb 8	Separate MIS and Bariatric streams. https://www.mcgill.ca/generalsurgery/education/fellowships/minimally-invasive-surgery-fellowship https://www.mcgill.ca/generalsurgery/education/fellowships/minimally-invasive-bariatric-surgery-fellowship
Montreal	1-2 years		https://chirurgie.umontreal.ca/etudes/d-e-s/d-e-s-en-chirurgie-bariatrique-laparoscopique-et-robotique/
Laval	1-2 years	Feb 8	https://www.fmed.ulaval.ca/programmes-detudes/etudes-en-medecine/fellowships-formations-complementaires/fellowship-en-chirurgie-bariatrique-et-metabolique/presentation/
Dalhousie	1 year	Feb 8	Endoscopy focus, with MIS and UGI https://www.fellowshipcouncil.org/directory-of-fellowships/display-listing/?match=1&pid=1263

Pediatric Surgery

- Application: National Residency Matching Program for North American fellowships (<https://www.nrmp.org/fellowship-applicants/participating-fellowships/pediatric-surgery-match/>)
- Additional information:
 - Canadian Association of Paediatric Surgeons (www.caps.ca)
 - American Pediatric Surgical Association (<https://apsapedsurg.org/>)



School	Program Length	Application deadline	Program Information
UBC	2 years	Dec 1	https://surgery.med.ubc.ca/education/postgraduate-education/pediatric-surgery/
Calgary			https://cumming.ucalgary.ca/departments/surgery/sections/pediatric-surgery/education
Manitoba			https://umanitoba.ca/medicine/department-surgery/pediatric-surgery-fellowship
McMaster			https://surgery.mcmaster.ca/divisions/pediatric-surgery/education/overview
Toronto			http://www.sickkids.ca/GeneralSurgery/Education-and-training/index.html
Ottawa			https://med.uottawa.ca/surgery/divisions/paediatric-surgery
McGill			https://www.mcgill.ca/pgme/files/pgme/pediatric_surgery_resprogram.pdf
Montreal			https://enseignement.chusj.org/fr/Etudiants-en-stage/Stages-en-medecine/Moniteurs-cliniques/Fellowship-en-chirurgie-pediatrique
Dalhousie			https://medicine.dal.ca/departments/department-sites/surgery/divisions/pediatric-surgery/education/pediatric-surgery-fellowships.html

Surgical Oncology

- Applications: National Residency Matching Program (NMRP) match (<https://www.nrmp.org/>)
- Additional information: Society of Surgical Oncology match (www.surgonc.org)

School	Program Length	Application deadline	Program Information
UBC	2 years	Jan 17	https://surgery.med.ubc.ca/education/postgraduate-education/complex-general-surgical-oncology/
Calgary	2 years		https://www.surgonc.org/fellows/surgical-oncology-fellowships/program-list/university-of-calgary/



Toronto	2 years		<i>Surgical Oncology and Surgical Oncology/HBP streams</i> https://surgery.utoronto.ca/complex-general-surgical-oncology-program
Ottawa	2 years		https://www.surgonc.org/fellows/surgical-oncology-fellowships/program-list/university-of-ottawa/
McGill	2 years		https://www.mcgill.ca/oncology/education-training/postgraduate-medical-education/surgical-oncology

Thoracics

- Applications: Directed to individual programs.
- Additional information:
 - Canadian Association of Thoracic Surgeons (www.canadianthoracicsurgeons.ca)
 - American Association of Thoracic Surgeons (www.aats.org)

School	Program Length	Application deadline	Program Information
UBC	2 years	Jan 1	https://surgery.med.ubc.ca/education/postgraduate-education/thoracic-surgery/
Calgary	2 years	Dec 30	https://cumming.ucalgary.ca/departments/surgery/sections/thoracic-surgery/education
Manitoba	2 years	Jan 1	https://umanitoba.ca/medicine/department-surgery/thoracic-surgery-fellowship
Western	2 years	Jan 1	https://www.lhsc.on.ca/thoracic-surgery/thoracic-surgery-training-research
McMaster	2 years	Jan 1	https://surgery.mcmaster.ca/divisions/thoracic-surgery/education/fellowship#:~:text=The%20McMaster%20Thoracic%20Surgery%20Program,Physicians%20and%20Surgeons%20of%20Canada.
Toronto	6 months - 2 years	Jan 1	<i>Thoracic transplant fellowship also available.</i> https://surgery.utoronto.ca/fellowships-division-thoracic-surgery
Ottawa	2 years	Jan 1	https://med.uottawa.ca/surgery/divisions/thoracic-surgery



McGill	1-2 years	Sept 1	<i>Thoracic and upper GI surgical oncology</i> https://www.mcgill.ca/thoracic/fellowship
Montreal	1-2 years		https://medpostdoc.umontreal.ca/programmes/chirurgie-thoracique/

Transplant

- Application: Varies by program. Some are directed to individual programs while others are through the SF Match (<https://www.sfmatch.org/>) or the Fellowship Council (www.fellowshipcouncil.org).
- Programs may offer training in single or multi-organ transplant. These programs are delivered under various surgical departments including the department of general surgery (multi-organ), thoracic surgery (lung), or urology (kidney). There may be some overlap between this section and the HPB Surgery section.
- Additional information:
 - American Society of Transplant Surgeons (www.ast.org)
 - Canadian Society of Transplantation (<https://www.cst-transplant.ca/Fellowships.html>)

School	Program Length	Application deadline	Program Information
Alberta	2 years	Jan 1	Liver and Hepatopancreatobiliary transplant https://www.cst-transplant.ca/Fellowships.html#Surgical-Alberta Kidney transplant https://www.ualberta.ca/surgery/divisions/urology/fellowship-programs/transplant.html#:~:text=The%20University%20of%20Alberta%20surgical.available%20to%20the%20suitable%20candidate
Western	1-2 years	Jan 1	Liver, and Hepatopancreatobiliary transplant https://www.lhsc.on.ca/multi-organ-transplant-program/abdominal-organ-transplant-hepatopancreaticobiliary-surgery
Toronto	2 years	Jan 1	Kidney, Liver, and Pancreas transplant https://www.torontoaotransplantfellowship.com/
Ottawa	1-2 years	June 1	Kidney transplant



			https://www.cst-transplant.ca/Fellowships.html#Surgical-Ottawa
McGill	2 years	Feb 8	HPB transplant https://www.mcgill.ca/generalsurgery/education/fellowships/transplantation-hepatobiliary-pancreatic-surgery-fellowship

Trauma and Acute care

- Application: Directed to individual programs in Canada.
- Additional information: <https://canucs.ca/fellowships/>

School	Program Length	Application deadline	Program Information
UBC	1 year	June 30	https://vghtrauma.vch.ca/fellowship/
Alberta	1 year	Aug 15	https://www.ualberta.ca/surgery/divisions/general-surgery/aces-website-fellowship-letter.jpg
Calgary	1 year	Sept 1	https://cumming.ucalgary.ca/sites/default/files/teams/276/GS%20Trauma%20Fellowship%20Summary_08Oct2020.pdf
USask	1 year		ACS and community surgery fellowship. Contact Karen Bader for more information: karen.bader@usask.ca
Western	1 year		Interested candidates should feel free to contact Dr. Neil Parry at Neil.Parry@lhsc.on.ca
McMaster	1 year	Late Sept	https://surgery.mcmaster.ca/divisions/general-surgery/education/fellowship
Toronto	1 year	June 1	https://surgery.utoronto.ca/trauma-and-acute-care-surgery-fellowship-0
Ottawa	1 year	Sept 30	https://www.ottawahospital.on.ca/en/clinical-services/dep/tpgrmcs/departments/trauma-services/trauma-fellowship/
McGill	1 year	Sept 1	Trauma surgery https://www.mcgill.ca/generalsurgery/education/fellowships/trauma-surgery-fellowship
Montreal	1-2 years		https://chirurgie.umontreal.ca/etudes/d-e-s/d-e-s-en-traumatologie-et-soins-aigus/



Vascular

- Application: Directed to individual programs in Canada or through the NRMP in the US. (www.nrmp.org).
- Note: Many programs are moving away from offering vascular surgery 5+2 fellowships in favour of 0+5 direct entry programs. The programs listed in the table below do offer 5+2 training programs.
 - The following programs do not offer 5+2 training programs: Calgary, Western, and McMaster.
 - For all other schools, please reach out to the programs for additional information on the training pathways they offer.
- Additional information:
 - Canadian Society of Vascular Surgery (www.canadianvascular.ca)
 - Society of Vascular Surgeons (www.vascularweb.org)

School	Program Length	Application deadline	Program Information
Calgary	2 years		https://cumming.ucalgary.ca/departments/surgery/sections/vascular-surgery/vascular-surgery-education
Ottawa	2 years	April 15	https://med.uottawa.ca/surgery/divisions/vascular-surgery/education
McGill	2 years		https://www.mcgill.ca/vascularsurgery/residency-information Requires inquiring directly to Program Director as number of positions vary annually
Montreal	2 years		https://medpostdoc.umontreal.ca/programmes/chirurgie-vasculaire/

Other Fellowships

School	Topic	Program information
Queen's	Clinical Research Fellowship in Population Health and Colorectal/Gastrointestinal Cancer Outcomes	https://surgery.queensu.ca/sites/surgery/files/inline-files/Advert%20for%20Clinical%20Research%20Fellow_0.pdf



Finding a Job

It is never too early to begin thinking about what you want to do at the end of residency and to begin to make contacts for your future career. Do you plan to pursue fellowship training? Direct to practice? Will you locum? It can all seem overwhelming at times and difficult to know where to start. In this section we have tried to assemble some useful resources to help get you started in the right direction as you begin navigating through this process.

Tips to get started:

- Start thinking about your career plans early - it's okay if your plan changes as you learn more about different career paths in general surgery but it's important to at least start thinking about it.
- Keep your CV updated - Keep track of the extracurricular activities, committees you sit on, research, and conferences. It's much easier to do this as you go than to try to think back 4+ years while stressing about application deadlines.
- Get involved in research - Research is a big part of many careers in surgery especially if you plan to work in an academic center. Publications and presentations look great on applications. Try to get involved in projects you are genuinely interested in.
- Find a mentor - mentors can help you to learn about what path their career has taken, to learn about different opportunities you may not have considered or known about, and to make connections for electives, fellowships, and job opportunities. Mentors can be anyone from your program director, academic advisor, faculty, or senior residents. You may have more than one mentor that helps you reach your career goals.
- Think about your elective options - Take the opportunity during your electives to consider where you would like to work or train. Many fellowship programs recommend taking an elective at their center prior to applying. You can use this time to get a feel for the program and the city. If considering a location for your future practice, ask about the needs of the community. Do they have upcoming job opportunities they know of? Are there specific skill sets or specialty training they are looking for in the person they hire? These are a great opportunity to put your best foot forward.

Resident resources:

- RDOCS: <https://residentdoctors.ca/areas-of-focus/career-planning/>
- Provincial resident associations

Job Boards and provincial recruitment departments:

- CAGS: <https://cags-accg.ca/career-opportunities/>
- British Columbia: <https://www.healthmatchbc.org/>
- Alberta: <https://www.doctorjobsalberta.com/searchresults.aspx>
- Saskatchewan: <https://www.saskdocs.ca/work/opportunities/>
- Manitoba: <https://healthcareersmanitoba.ca/opportunities/>
- Ontario: <http://www.oags.org/joblisting.html>
- Quebec:
<https://www.msss.gouv.qc.ca/professionnels/medecine-au-quebec/plans-d-effectifs-medicaux-pem-en-specialite/>
- New Brunswick: <https://nbhealthjobs.com/current-openings/>
- Prince Edward Island:
<https://www.princeedwardisland.ca/en/topic/jobs-in-health-care>
- Nova Scotia: <https://recruitment.nshealth.ca/about>
- Newfoundland and Labrador: <https://www.practicenl.ca/?/jobs/default.asp>
- Yukon: <https://yukondoctors.ca/>
- Northwest Territories: <https://www.practicenwt.ca/en/physician-careers>
- Nunavut: <https://nuphysicians.ca/practice/opportunities-available>
- Additional information on job opportunities may be available through the provincial doctors association (see links in the next section)

Professional and Resident Associations

Resident associations:

- Resident Doctors of Canada: <https://residentdoctors.ca/>
- British Columbia: <https://residentdoctorsbc.ca/>
- Alberta: <https://www.para-ab.ca/>
- Saskatchewan: <http://www.residentdoctors.sk.ca/>
- Manitoba: <https://www.parim.org/>
- Ontario: <https://myparo.ca/>
- Quebec: <https://www.fmrq.qc.ca/en>
- Maritimes: <https://www.maritimeresidentdoctors.ca/>
- Newfoundland and Labrador: <https://parnl.ca/>

General Surgery Associations:

- CAGS: <https://cags-accg.ca/>
- British Columbia Surgical Society: [British Columbia Surgical Society](#).
- Alberta Association of General Surgeons: [Alberta Association of General Surgeons](#).
- Ontario Association of General Surgeons: <http://www.oags.org/>
- Quebec: <https://chirurgiequebec.ca>

Professional Associations:

- CMA: <https://www.cma.ca/>
- Doctors of British Columbia: <https://www.doctorsofbc.ca/>
- Alberta Medical Association: <https://www.albertadoctors.org/>
- Saskatchewan Medical Association: <https://www.sma.sk.ca/>
- Doctors Manitoba: <https://doctorsmanitoba.ca/>
- Ontario Medical Association: <https://www.oma.org/>
- Quebec: <http://www.cmq.org/home.aspx>
- New Brunswick Medical Society: <https://www.nbms.nb.ca/>
- Medical Society of Prince Edward Island: <https://www.mspei.org/>
- Doctors Nova Scotia: <https://doctorsns.com/>
- Newfoundland and Labrador Medical Association: <https://www.nlma.nl.ca/>
- Yukon Medical Association: <https://www.yukondoctors.ca/>
- Northwest Territories Medical Association: <https://www.facebook.com/NWTMA/>
- Nunavut: <https://nuphysicians.ca/>

Other general surgery organizations and resources:

- American College of Surgeons: <https://www.facs.org/>

- Resident and Associate Society:
<https://www.facs.org/member-services/ras>
- Society of American Gastrointestinal and Endoscopic Surgeons:
<https://www.sages.org/>
- Society of Surgical Oncology: <https://www.surgonc.org/>
- National Comprehensive Cancer Network (NCCN): <https://www.nccn.org/>