

**Gastrointestinal
PATHOLOGY FELLOWSHIP**

**The Department of Pathology and Laboratory Medicine
University of Calgary
Calgary, Alberta**

Description and Objectives

Gastrointestinal Fellowship
Prepared: November 21, 2016
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GASTROINTESTINAL PATHOLOGY FELLOWSHIP

Description

Fellowship Director: Stefan J. Urbanski

Fellowship purpose:

- To train pathologists to understand and diagnose routine, complex and esoteric pathologic specimens from the entire Gastrointestinal tract including liver and biliary tree
- To train pathologists to effectively educate and communicate with medical students, trainees, other pathologists and clinicians regarding diseases of the gastrointestinal tract
- To advance the discipline of gastrointestinal pathology.

The Gastrointestinal Pathology Fellowship Program will be administered under the auspices of the Division of Anatomic Pathology and will be mostly based at the Foothills Medical Centre.

Curriculum: The Fellow is expected to be present in the department during laboratory working hours: Monday - Friday, 8:00 a.m. to 5:00.p.m. The curriculum consists of rotations through the Gastrointestinal Pathology Consult services (12 months). Participation in the Gastrointestinal Pathology Consult service will include coverage of frozen section activities (of Gastrointestinal tract), in collaboration with surgical pathology residents and faculty. It will also include observing various surgical techniques related to Gastrointestinal tract.

To supplement the “on the job” learning, the fellow will utilize Dr. Urbanski’s gastrointestinal pathology teaching collection, relevant cases from the departmental teaching collection, participate in medical student teaching, and participate in regularly scheduled interdisciplinary conferences including bi-monthly department gastrointestinal rounds.

The fellow will be expected to achieve all of the competencies outlined in the Gastrointestinal Pathology Fellowship Objectives (see below).

Fellow Evaluations will be performed by faculty in the course of signout, and by the Fellowship Director on a quarterly basis. If the performance is unsatisfactory, a further 3 months of training will occur. Performance at the end of that period will be evaluated and if unsatisfactory, the training will be terminated.

Conference Participation: Fellows will participate in all GI-related rounds as well as those deemed to be useful as outlined in the Objectives.

Publication: Fellows will be required to participate in at least one project prior to graduation from the program that is likely to result in a peer-reviewed publication.

Certification: Upon successful completion of the fellowship, the candidate will be issued a formal certificate.

GASTROINTESTINAL PATHOLOGY FELLOWSHIP Orientation

1- General orientation with all other Anatomic Pathology fellows and residents

2- Specific 1 hour orientation focused on the GI Pathology Fellowship:

- a.** Review of the curriculum
- b.** Review of objectives and evaluations for the GI pathology rotations
- c.** Review of the teaching files
- d.** Review of conferences specific to GI Pathology Fellowship:
 - i. Bi-monthly city wide GI rounds
 - ii. GI pathology rounds, Department of Medicine; 4-5 rounds per year
 - iii. Monthly departmental live rounds.
 - iv. Pediatric GI Rounds
- e.** Review of conferences not specific to GI Pathology Fellowship:
 - i. Unknown Slide Rounds: Weekly, Friday 8 am.
(When ILD rounds are not scheduled)
 - ii. Autopsy rounds: Weekly, Friday 9 am.
 - iii. Pathology Grand Rounds: Weekly, Thursday 4.30 pm

For rounds (i) and (iii), the fellow is expected to present at least once.

- f.** Review of research interests, potential projects and expectations

GASTROINTESTINAL PATHOLOGY FELLOWSHIP

Objectives

- 1- Acquires knowledge, including typical clinical presentation as well as pathologic criteria, of common as well as uncommon diseases of the GI tract.

Patient care, medical expert, practice based learning and improvement and system based practice

- Review of current cases, including consultations and in-house material, surgical, biopsies and autopsies, with faculty member
- Dictation of case-related reports and correspondence as appropriate
- Review of teaching file cases to supplement current case material as appropriate
- Read appropriate text book chapters or articles related to topics
- Do literature review of unusual topics

Evaluation: Global assessment.

- 2- Acquires knowledge of common and uncommon neoplastic diseases of the GI tract.

Patient care, medical expert, practice based learning and improvement and system based practice

- Review of current cases, including consultations and in-house material, surgical, biopsies and autopsies, with faculty member
- Dictation of case-related reports and correspondence as appropriate
- Review of teaching file cases to supplement current case material as appropriate
- Read appropriate text book chapters or articles related to topics
- Do literature review of unusual topics

Evaluation: Global assessment.

- 3- Recognizes and acquires pertinent clinical and radiologic information for the interpretation of the diseases of the GI tract.

Professionalism, patient care, medical expert, practice based learning, communication skills.

- For surgical specimens, including those reviewed as part of intramural consults or in the course of frozen section, seeks information relevant to pathological interpretation using electronic tools as appropriate (*i.e.* Millennium and Netcare) and if information not adequate, proactively consults referring physicians, as appropriate.
- For extramural consultation cases, identifies pertinent information from material received including review with chest radiologist of outside imaging studies as appropriate. If information not available from material received, proactively contacts referring physicians, as appropriate.

Evaluation: Global assessment and monthly review by participating faculty members

- 4- Understands the clinical significance of diagnosis rendered.

Professionalism, patient care, medical expert, systems-based practice, collaborative and communication skills.

- For intramural cases seen as peer-to-peer consultations or in the course of routine surgical specimens, demonstrates the ability to discuss results with pathology peers, surgeons or pulmonologists as indicated. Demonstrates the ability to construct appropriate surgical reports.
- For frozen section cases, demonstrates the ability to effectively communicate with operating surgeons in a timely fashion.
- For extramural consultation cases, demonstrates the ability to discuss implication of diagnosis in terms of prognosis and potential treatment with attending faculty and referring pathologist. Demonstrates the ability to dictate diagnoses and consultation letters to referring physicians conveying this information.
- For both intramural and extramural cases, demonstrates the understanding of rapid TAT critical to good patient care.

Evaluation: Global assessment, monthly assessment of participating faculty

- 5- Demonstrates appropriate and cost-effective use of ancillary techniques in work up of the GI tract specimens.

Patient Care, Practice-based learning and System-based practice. Manager skills

- Is capable of discussing the value and role of immunohistochemical studies, cytogenetics and molecular diagnostic techniques in the clinical evaluations of diseases of the GI tract.
- Understands the costs of these ancillary studies
- Assists in establishing best practices in work-up of the GI tract.

Evaluation: Global assessment, review by participating faculty

- 6- Acquires procedural and gross-microscopic correlation skills related to thoracic surgical specimens.

Professionalism, patient care, medical expert.

- Demonstrates ability to gross surgical specimens of the GI tract (esophagectomies, gastrectomies, colectomies, pancreatectomies and hepatectomies).
- Photographs specimens as appropriate.
- Capable of expressing differential diagnosis of macroscopic lesions
- Demonstrates understanding of disease process by determining appropriate technique for grossing and appropriate sampling for microscopic sections

Evaluation: Global assessment and check list

- 7- Participate in resident and medical student education.

Professionalism, patient care, practice-based learning, communication skills

- Assist residents with grossing activities and review of histologic sections in the course of frozen section rotations
- Assist residents with review of lung cases received as intramural consultation cases
- Assist with medical school teaching as appropriate

Evaluation: 360 degree review from residents and medical students.

8- Participates in research project.

Practice-based learning, scholar

Evaluation: Updated CV at end of fellowship

9- Demonstrates respect and good working relationship with all support staff, including secretaries, technicians, PA, residents, and consultants.

Professionalism and interpersonal skills, management, collaborative and communication skills.

- Is familiar with vision, mission and core values of Anatomic Pathology
- Has positive and constructive interactions with all members of the team.
- Is capable of accepting constructive criticism.
- Demonstrates helpful demeanor such as assisting with cases, grossing, or other shared activities.
- Is punctual.
- Ensures coverage for absences when necessary and informs faculty if delays are to occur

Evaluation: 360 degree evaluation including allied health staff and residents

10- Identifies and accomplishes various quality activities.

Practice-based learning and system-based practice

- Resolution of case discrepancies discovered in the course of practice or conference participation
- Resolution of any laboratory defects discovered in the course of practice

Evaluation: Global assessment and fellow portfolio

11- Demonstrates familiarity with CAP accreditation standards for Surgical Pathology laboratories including Lab safety guidelines. **Practice-based learning, management skills**

Evaluation: 360 evaluation including Lab supervisors

Pathologists with subspecialty expertise in GI pathology:

Dr. L. Eidus

Dr V. Falck

Dr. S. Medlicott

Dr. S. Urbanski

Dr. A. Schell

Dr. P. Minoo

Dr. M. Brundler

Dr. E. Whitcomb

Dr. A. Kulaga

Dr. K. Koro

