

## Anatomical Pathology Residency Program

### PROGRAM DESCRIPTION AND OUTLINE – Non-CBME

The Anatomical Pathology Residency Program at the Schulich School of Medicine & Dentistry at Western University is a five year program based at the London Health Sciences Centre, University Hospital. There is a structured schedule of rotations designed to ensure that residents are able to fulfill all of the goals and objectives of training and acquire the necessary knowledge base to practice as competent consultant pathologists. There are also elective opportunities that permit the resident to tailor the program to their own needs and goals. There is a comprehensive education program, with various rounds and teaching sessions that supplement the rotations.

### Program Organization

**Rotations** (4 week blocks)

<b>PGY1</b>	General Surgery	2 blocks
	General Internal Medicine	1 block
	Respirology or Nephrology	1 block
	Gynecologic Oncology	1 block
	Radiation Oncology	1 block
	Emergency Medicine	1 block
	Urology	1 block
	Gastroenterology	1 block
	Hematology Oncology	1 block
	Anatomical Pathology	1 block
	Otolaryngology	1 block
	Pediatric Medicine	1 block

The PGY1 year is a broad based clinical year designed to satisfy the specialty-specific objectives and Medical Council of Canada Qualifying Examination Part II requirements. Rotations are planned in conjunction with the resident in order to meet individual needs (the above-mentioned rotations may be changed). During this year, the resident attends the Pathology Academic Half Day, Department of Pathology Grand Rounds, and the Department of Pathology Research Day.

<b>PGY2</b>	Core Surgical and Autopsy Pathology (includes one block of Molecular Pathology/Cytogenetics)	12 months (13 blocks)
<b>PGY3</b>	Core Surgical and Autopsy Pathology (includes one block of Cytopathology)	12 months (13 blocks)
<b>PGY4</b>	Cytopathology	3 blocks
	Neuropathology	2 blocks
	Soft Tissue / Renal Pathology	1 block
	Senior Autopsy	1 block
	Electives	6 blocks



<b>PGY5</b>	Senior Rotations (Surgical and/or Autopsy Pathology)	6 blocks
	Molecular Pathology / Cytogenetics	1 block
	Cytopathology	1 block
	Electives	5 blocks

## General Description of Rotations

### ***SURGICAL AND AUTOPSY PATHOLOGY***

During PGY2 and PGY3, the resident rotates through the Surgical Pathology and Autopsy services, Surgical Pathology is learned by studying cases from frozen sections, gross examination, microscopic examination, ancillary studies and sign-out. Exposure to numerous subspecialty areas occurs during these rotations.

In the PGY5 rotations, the resident functions with less supervision, with workload and responsibilities approaching the level of a junior consultant Pathologist. On this senior rotation, the resident is also involved in the review of consultation material.

The PGY2 and PGY3 years are structured as follows:

Rotation		Block Length (weeks)	Number of Blocks	Total Time (weeks)
SKIN		4	2	8
GYN		4	3	12
GU		4	3	12
HEAD & NECK		4	2	8
BREAST		4	3	12
GI / LIVER		4	4	16
LUNG / HEMPATH		4	1	4
LUNG / PEDIATRIC		4	1	4
AUTOPSY		4	4	16
CYTOLOGY		4	1	4
PEDIATRIC / HEMPATH		4	1	4
MOLECULAR		4	1	4
	TOTAL			104

### ***CYTOPATHOLOGY***

In PGY3, there is a four-week introductory rotation in Cytopathology. The 3 block core Cytopathology rotation takes place in PGY4, with wide exposure to gynecologic and non-gynecologic material, and quality assurance protocols related to cytology. A close relationship with the colposcopy clinics also allows correlation of cervical biopsies and cytological specimens. In PGY5, there is additional exposure to Cytopathology through a one-month rotation through the Cytopathology Service. Extensive teaching collections are also available.



## ***NEUROPATHOLOGY***

Neuropathology rotations (2 blocks) provide interaction with Neuropathology, Neurosurgery, and Neurology residents who also rotate through the service. There is excellent exposure to a wide range of Neuropathological Surgical and Autopsy Pathology.

## ***FORENSIC PATHOLOGY***

In addition to a comprehensive lecture series and weekly practical forensic pathology rounds, residents are exposed to forensic autopsies during all of the Anatomical Pathology rotations. Residents may do a rotation in Forensic Pathology in their final year, although not in the final 3 months of the year.

## ***PEDIATRIC PATHOLOGY***

Exposure to Pediatric and Perinatal Pathology comes via one block rotation in Pediatrics/Lung and one block rotation in Pediatric & Adult Hempath, as well as being incorporated into the Anatomical Pathology subspecialty and Autopsy rotations (longitudinal exposure) throughout the residency training.

## **Academic Program**

### ***ACADEMIC HALF DAY***

The Academic Half Day, organized by Dr. A. Haig, takes place weekly on Wednesday mornings from September to June. Attendance by all residents is mandatory. It consists of lectures by Pathologists, Clinicians and Residents and slide seminars. The program follows a two year schedule, and therefore residents will be exposed to the topics at least twice during their training. All areas of Anatomical Pathology are covered. The schedule for each section is organized by Pathologists with subspecialty expertise in the area. Teaching in basic sciences, laboratory management, bioethics, critical appraisal, and other topics is also incorporated into the Academic Half Day.

### ***PRESENTATIONS BY RESIDENTS AT WEDNESDAY NOON ROUNDS***

Wednesday Noon Rounds is a forum during which pathologists and residents share interesting cases by using the microscope projection system. This includes gross and microscopic pathology, electron microscopy. Residents are expected to do at least one formal presentation per academic year. Resident presentations are selected from a list of timely topics provided to them by the subspecialty teams, on a topic of his/her choosing.

### ***DEPARTMENT OF PATHOLOGY GRAND ROUNDS AND ROBERT ZHONG SEMINARS***

These rounds take place monthly. The program consists of presentations by faculty members or invited guests. Residents are expected to attend.



### ***RESIDENT JOURNAL CLUB***

This is held on a regular basis and each resident presents at least one paper per academic year. The schedule is organized by the chief resident.

### ***GRADUATE STUDENT SEMINARS***

These seminars are held every alternate Mondays at 4pm in H410, Western University. All residents receive regular e-mail notification of the seminars. These seminars are mandatory for graduate students who present seminars and a journal club paper. Invited speakers also attend periodically. These meetings provide an excellent forum for keeping in touch with some of the basic science activities of the department as well as providing an opportunity to participate in a journal club.

### ***HOSPITAL ROUNDS***

There is a full slate of rounds that occur in the Department on a weekly and monthly basis; some are resident teaching rounds while others are clinical-pathology rounds.

*Reviewed & Updated by AP Residency Program Committee –  
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