

## Path 401 (Remote Edition) Goals and Objectives/ Course Description

More than 70 percent of all decisions about diagnosis and treatment, hospital admission, and discharge rest on medical test results from pathology. In addition, every 2 seconds, somebody in the US requires a blood product. Pathology is the branch of medicine that covers all non-image based diagnostics as well as transfusion medicine. Pathology, in conjunction with radiology, guides every aspect of diagnostic medicine.

### Goals and Objectives

1. Understand the role of pathology in diagnosis, patient care and management
2. Understand the importance of clinic-pathologic correlation – i.e. correlation with history, surgery, endoscopy, radiology, labs, etc.
3. Appreciate the value to knowing normal histology in order to better understand pathologic conditions
4. Develop a deeper understanding of transfusion medicine, specifically: indications for transfusion, pre-transfusion testing, hemolytic disease of the fetus/newborn, and the transfusion reactions.

### Course Description:

This course will be given using several learning modalities including but not limited to the following:

1. **Case-based learning:** Multiple virtual cases will be given throughout the four weeks. A bolus of information with appropriate question prompts will be given throughout the course. In addition to responding to the prompts, students will be expected to react and respond to each other's responses. A faculty facilitator will be evaluating quality of responses.
2. **Virtual Group discussion:** Each case will have multiple prompts for the students to answer and discuss with their peer groups. In addition, the cases will have assigned readings, including reviews and primary articles to critically assess and evaluate.
3. **Short answer questions:** Multiple short answer questions that discuss the relationship between diagnostics
4. **Literature Review:** A 500 word evidence based review paper on available testing modalities for upper respiratory viral infections (i.e. influenza or COVID-19)
5. **Virtual slide set:** Virtual slides scanned into Bioclucida (similar to what was used in TBLs) with associated question packet
6. **Conference attendance:** (Via collaborate/zoom) Attendance at pathology resident didactics, virtual slide session, clinical tumour boards
7. **Virtual group presentation:** Virtual presentation on transfusion reaction with other classmates
8. **Virtual blood bank tour:** A virtual audio tour of the TJUH blood bank

### Evaluation:

1. Attendance and participation at conferences (via Zoom/Collaborate)
2. Graded short answer question, literature review
3. Participation in online discussion boards
4. Completion of virtual slide set
5. Completion of case studies
6. Quality of virtual group presentation