

NOTES

Examinations consist of written papers and glass slide practical examinations. Pass mark on written examinations is 65%; on glass slide examinations is 80%.

Practical screening skills that the student must develop includes accuracy of reporting and efficient screening speed. In order to achieve these goals a good deal of time during the program is given to practice. By the end of year one, students will spend 50% of their time at the microscope. Students who successfully complete the course are eligible to write the CSMLS registration examinations held in June or October each year. Those students who pass are qualified to work as a Cytotechnologist across Canada.

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School of Diagnostic
Cytology



Cytology is the study of individual cells for the early detection and diagnosis of benign and malignant neoplasms.

SCHOOL OF DIAGNOSTIC CYTOLOGY PROGRAM OUTLINE

This is a 20-month program.

Prerequisite: B.Sc. with Anatomy and Physiology or Year 1 University (Bachelor of Allied Health).

FIRST SEMESTER CYTOPATHOLOGY I (23 weeks with one week break at Christmas)

- WHMIS
- Gynecological specimen preparation
- Staining and fixation
- Gynecological cytology
- Computer system and clerical functions
- Clinical practice (3 weeks included)
- Red River College courses
 - Laboratory Safety and Risk Management
 - Immunology
 - Elementary Human/Biopathology

Screening goal by end of semester is 5 cases/day.

SECOND SEMESTER CYTOPATHOLOGY 2 - (15 weeks)

Non-gynecological exfoliative cytology of the following body sites:

- Respiratory

- Urogenital
- Gastrointestinal
- Central nervous system
- Effusions (body fluids)
- Red River Course
 - Human Workplace Relations (Spring Term)
- University of Manitoba course
 - Comparative Animal Histology (Winter Term-January)

Screening goal by end of semester is 15 gyne cases/ day and 2 non-gyne cases.

THIRD SEMESTER CYTOPATHOLOGY 5 - CLINICAL PRACTICE 1. – (17 weeks with two week summer break)

Under supervision of Cytotechnologists, the students will spend the majority of the day at the microscope practicing identification and interpretation skills. Students will screen all types of specimens studied in Semesters One and Two. Screening goal by the end of semester is 25 cases /day

CYTOPATHOLOGY 3 - This covers preparation of clinical specimens for cytologic examination.

FOURTH SEMESTER CYTOPATHOLOGY 4 – (14 weeks with one week break for Christmas)

The students will study the cellular material obtained by Fine Needle Aspiration and participate in the collection of specimens by this technique. The body sites studied will include:

- Lung

- Kidney and Prostate
- Liver and Pancreas
- Breast
- Thyroid, Salivary gland and Lymph node

Screening goal by the end of semester is 30-35 cases per day.

FIFTH SEMESTER CYTOPATHOLOGY 6 – CLINICAL PRACTICE II (21 weeks)

Under supervision, the students will screen all types of clinical specimens covered in Cytopathology 1, 2, and 4. They will participate in cytopreparatory functions as required and will attend at FNA procedures.

Screening goal by the end of the semester is 50 cases/day.