

- 1) Diagnostic Competence/Consultation
- 2) Medical Knowledge
- 3) Practice-based Learning
- 4) Interpersonal and Communication skills
- 5) Professionalism
- 6) Systems-based practice

Resident Levels of Care

Cytopathology

Resident Level: PGY 5 or PGY 6

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive Management
1st month of first Trimester		
<ul style="list-style-type: none"> • Observe Fine Needle Aspiration Biopsies (FNAB) performed by a Cytopathologist (1) • Examine patient and formulate plan of action (1,2,3,4,6) • Collect all pertinent data from patients charts (1,2) • Demonstrate knowledge of Clinical Medicine to evaluate patient histories CXR, CT scans, Mammograms and other studies (1,3) • Demonstrate proficiency in the use of the Aseptic Technique (1,2,4,5) • Discuss FNAB findings and diagnosis with Cytopathologist and Cytotechnologist (1,2,4) 	<ul style="list-style-type: none"> • Learn screening of Gynecologic specimens (PAP Smears) (1,2,3) • Screening of Non-Gynecologic samples (urines, fluids, FNAB) (1,2,3) • Become familiar with all operations of a Cytopathology Laboratory (4,5,6) • Begin understanding the work-flow for optimal management of a Cytology Laboratory (4,5,6) 	<ul style="list-style-type: none"> • Learn the technique of FNAB (1,2,3) • Learn to interpret FNAB samples (1,2,3) • Learn to apply the different ancillary tests to the practice of Cytopathology (3,6)

All requires supervision by a Cytopathologist

Resident Levels of Care

Cytopathology

Resident Level: PGY 5 or PGY 6

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive Management
<p>First Trimester (2nd and 3rd month)</p>		
<ul style="list-style-type: none"> • Demonstrate proficiency in ordering the appropriate ancillary tests, (Histochemistry, Immunohistochemistry, Flow Cytometry) (1,2,5) • Learn to fill out the appropriate paperwork: <ul style="list-style-type: none"> ○ Consult forms ○ Consent forms ○ Time out sheets ○ Cytology forms ○ Special techniques forms (3,5,6) • Learn to formulate and write a preliminary diagnosis on the consult form which is signed by the Cytopathology Fellow and Cytopathologist, and attached to the chart. (1,2,4) 	<ul style="list-style-type: none"> • Describe and formulate diagnoses in the basic Gynecologic and Non-Gynecologic specimens, working closely with Cytopathologist and Cytotechnologist (1,2,3,4) • Learn management skills by observing Cytotechnologist and Cytopathologists (Quality Assurance, Quality Improvement) (4,5) • Decide on a research project, formulate a hypothesis, and begin developing a research project to present in spring at annual research forum. (2,3) • Be able to examine Gynecologic and Non-Gynecologic Cytology samples at a <u>low level of difficulty</u> (1,3) 	<ul style="list-style-type: none"> • Learn the technical differences for performing FNAB's of the different organs (1) • Perform FNAB under strict <u>supervision by a Cytopathologist during the complete procedure</u> (1,2,3,4,6)

All requires supervision by a Cytopathologist

Resident Levels of Care

Cytopathology

Resident Level: PGY 5 or PGY 6

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive Management
<p>Second Trimester (4th, 5th, and 6th month)</p>		
<ul style="list-style-type: none"> • Demonstrate appropriate clinical skills in the physical examination of patients and extracting useful information from patient's charts, prior to performing FNAB. (1,2,3,4,5,6) • Demonstrate ability to accurately complete consult forms and all other required forms. (1,6) • Determine/discuss the necessary tests to better assess the patient's diagnosis; (Tumor Markers, Flow Cytometry, Electron Microscopy etc.) with the clinician. (1,2,3,4,5,6) • Demonstrate understanding of patient management as it pertains to pros and cons of the different procedures necessary for the diagnosis and management of each case. (1,2,3) 	<ul style="list-style-type: none"> • Teach and supervise medical students and Pathology Residents in the evaluation of Gynecologic and Non-Gynecologic Cytologic samples. (1,2,3,4,5,6) • Examine Cytologic Gyn and Non-Gyn samples microscopically at an <u>Intermediate level.</u> (1,2,3) 	<ul style="list-style-type: none"> • Teach and supervise medical students and Pathology Residents (PGY 1-4) in the patient evaluation and performance of FNAB at an <u>intermediate level</u>, while under the guidance of a Cytopathologist and Cytotechnologist Supervisor. (1,2,3,4,5,6)

All requires supervision by a Cytopathologist

Resident Levels of Care

Cytopathology

Resident Level: PGY 5 or PGY 6

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive Management
<p>Third Trimester (7th, 8th, and 9th month)</p>		
<ul style="list-style-type: none"> • Proficient in evaluating the patient and recommending best approach to diagnose a particular patient's condition/disease and discuss it with clinician. (1,2,3,4,5,6) • Present Cytologic findings at conferences with an <u>increasing level of expertise</u> (1,2,3,4) • Teach residents and rotating medical students the evaluation of clinical findings as it pertains to the practice of Cytopathology (1,2,4,5) 	<ul style="list-style-type: none"> • Evaluate and diagnose difficult Gyn and Non-Gyn specimens with Cytopathologists with less input from the Cytotechnologists. Requires advanced level skills. (1,2,3,6) • Evaluate Quality Control on Gyn Cases that have negative diagnosis. If discrepancy is found with diagnosis, the case is reviewed with the Cytopathologist. 	<ul style="list-style-type: none"> • Evaluate, perform FNAB, and make preliminary Dx with minimal staff or faculty assistance (1,2,3,4,6) • Demonstrate expertise at an advanced level in correlating the clinical Hx together with the radiologic and cytologic findings to arrive at the correct diagnosis (1,2,3)

All requires supervision by a Cytopathologist

Resident Levels of Care

Cytopathology

Resident Level: PGY 5 or PGY 6

Clinical Diagnosis Management	Clinical Non-Invasive Management	Clinical Invasive Management
<p>Fourth Trimester (10th, 11th, and 12th month)</p>		
<ul style="list-style-type: none"> • Demonstrate advanced level skills in evaluating a patient's condition. (1,2,3,4,5,6) • Demonstrate advanced level skills in obtaining pertinent information from the clinical history and evaluating the tests performed to better understand the patient's condition. (1,2,3,6) 	<ul style="list-style-type: none"> • Evaluate all cases and write the diagnosis of Gynecologic and Non-Gynecologic specimens, demonstrating skills at an advanced level. (1,2,3) • Determine the diagnosis on all Gyn and Non Gyn cases and discuss them with the attending. (1,2,3,4,5,6) • Demonstrate competence in Cytopathology Laboratory operations. Be able to assess ways to maintain/improve optimal management of Cytology Laboratory. (4,5,6) • Present research project at annual research forum. (2,3) 	<ul style="list-style-type: none"> • Perform FNAB and make the preliminary and final diagnosis while supervised by a Cytopathologist. (1,2,3,6) • Demonstrate both technical and professional expertise at an advanced level in correlating the Cytologic findings with the clinical aspects to arrive at the definitive diagnosis (1,2,3,6)

All requires supervision by a Cytopathologist