

- 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

Pathology

Resident Level: PGY 1

Clinical Non-Invasive (Clinical Diagnosis and Management)	Clinical Invasive (Operative Management)
<ul style="list-style-type: none"> • Describe which pathologic process is present, identify the appropriate type of diagnostic test to help identify the diagnosis. (1,2,3,4) • Describe and dictate the gross pathology of most surgical specimens. (1,2,3,4) • Formulate a differential diagnosis on most typical malignancies, inflammatory lesions, granulomas. (1,2,3) • Dictate gross and microscopic autopsy findings to be placed in the permanent medical record.* (1,2,3,4) • Collect data on clinical pathology problems and consult with staff concerning appropriate diagnosis and course of action. (3,4,5) • Demonstrate how to perform basic immunopathology, histochemical, electron microscopic, cytogenetic, molecular pathology, microbiology, transfusion medicine, chemical pathology, hematology and toxicologic procedures. (2,3,6) 	<ul style="list-style-type: none"> • Examine and describe basic surgical specimens microscopically.* (3,4) • Formulate and dictate basic surgical pathology diagnosis. (1,2,3,4) • Perform basic autopsies, formulating final clinical and anatomic diagnoses.* (1,2,3,4,6) • Observe and describe steps of fine needle aspiration for cytological diagnosis. Perform fine needle aspiration at a basic level. (1,2,3,4,5) • Observe and describe steps of dermatological biopsies. (2,4,5,6) • Observe and perform apheresis procedures at a basic level. * (3,4,5,6) • Observe and describe steps of bone marrow biopsies and aspirates. (1,2,3)

* Requires Supervision by a Teaching (Faculty) Physician or Upper Level Resident determined by the individual Resident level of performance.

Resident Levels of Care

Pathology

Resident Level: PGY 2

Clinical Non-Invasive (Clinical Diagnosis and Management)	Clinical Invasive (Operative management)
<ul style="list-style-type: none"> • Independently collect data and analyze clinical pathology problems at an intermediate level. (1,2,3) • Independently interpret and formulate a solution for clinical pathology problems, including diagnosis and course of action at an intermediate level. (1,3,4,6) • Present findings of test(s) based on scientific principles of clinical problems at an intermediate level. (1,3,4) • Perform the correct process in identifying the appropriate type of diagnostic test to identify a specific diagnosis. (1,2,3) • Dictate gross and microscopic autopsy findings to be placed in the permanent medical record, using faculty to consult only. (1,2,3,4) • Describe and dictate gross and microscopic pathology of surgical specimens at an intermediate level. (1,2,3,4) • Analyze and formulate a diagnosis on non-complicated surgical specimens at an intermediate level (1,2,3) • Supervise junior residents with guidance from faculty* (2,3,4,5) • Demonstrate at an intermediate level how to perform immunopathology, electron microscopy, cytogenic, molecular pathology, microbiology, transfusion medicine, chemical pathology, hematology and toxicology procedures. (2,3,6) 	<ul style="list-style-type: none"> • Examine surgical specimens microscopically, using faculty to consult only at an intermediate level. (1,2,3,4) • Dictate surgical pathology diagnosis at an intermediate level. (1,2,3,4) • Perform autopsies, formulating final clinical and anatomic diagnoses at an intermediate level.* (1,2,3,4,5,6) • Perform fine needle aspiration for cytological diagnosis at an intermediate level.* (1,3, 4,5,6) • Perform steps of dermatological biopsies at an intermediate level.* (1,2,3,4,5) • Perform apheresis procedures at an intermediate level.* (3,4,5,6) • Perform bone marrow biopsies and aspirations at a basic level.* (3,4,5,6)

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Resident Levels of Care

Pathology

Resident Level: PGY 3

Clinical Non-Invasive (Clinical Diagnosis and Management)	Clinical Invasive (Operative management)
<ul style="list-style-type: none">• Collect data and analyze clinical pathology problems at an advanced level. (1,2,3)• Interpret and formulate a solution for clinical pathology problems, including diagnosis and course of action at an advanced level. (1,3, 4,6)• Teach other residents how to present findings of test(s) based on scientific principles of clinical problems. (1,3,4,5)• Teach other residents how to determine the correct process in identifying the appropriate type of diagnostic test to identify a specific diagnosis. (1,2,3,4,5)• Dictate gross and microscopic autopsy findings to be placed in the permanent medical record. (1,2,3,4)• Describe and dictate gross and microscopic pathology of non-complicated and complicated surgical cases. (1,2,3,4)• Demonstrate the assimilation of knowledge at an advanced level by formulating surgical pathology diagnoses, including staging and grading tumors. (1,2,3,4,6)• Function as a consultant to clinical residents and staff concerning laboratory operations. (1,2,3,4,5)• Participate in quality control and the management of laboratory operations.	<ul style="list-style-type: none">• Examine surgical specimens microscopically, at an advanced level. (3)• Dictate surgical pathology diagnosis at an advanced level. (1,2,3,4)• Perform autopsies, formulating final clinical and anatomic diagnoses at an advanced level.* (1,2,3)• Problem solve for other residents on fine needle aspiration for cytological diagnosis. (1,2,3)• Problem solve for other residents performing dermatological biopsies (1,2,3)• Perform apheresis procedures, at an advanced level.* (3,4,5,6)• Perform bone marrow biopsies and aspirations at an intermediate to advanced level. * (3,4,5,6)

(2,3,5,6)

- Function as a problem solver for other residents concerning all aspects of laboratory operations. (1,2,3,4,5,6)
- Demonstrate at an **advanced level** how to perform immunopathology, electron microscopy, cytogenic, molecular pathology, microbiology, transfusion medicine, chemical pathology, hematology and toxicology procedures. (2,3,5,6)

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Resident Levels of Care

Pathology

Resident Level: PGY 4

Clinical Non-Invasive (Clinical Diagnosis and Management)	Clinical Invasive (Operative management)
<ul style="list-style-type: none"> • Perform and present research based on collecting, analyzing, and interpreting clinical pathology problems. (1,2,3,4,5,6) • Function as a problem solver for others on how to interpret and formulate a solution for clinical pathology problems. (1,3,4,5) • Publish a research article based on appropriate data collection, analysis and interpretation of clinical pathology problems. (1,2,3,4,6) • Dictate autopsy findings in detail and without error to be placed in the permanent medical record. (1,2,3,4) • Dictate in detail and without error non-complicated and complicated surgical pathology cases. (1,2,3,4) • Teach others how to formulate surgical pathology diagnoses, including staging and grading of tumors as an advanced practitioner. (1,2,3,4) • Demonstrate how to supervise a laboratory with expertise. (1,2,3,4,5,6) • Teach other residents to perform immunopathology, electron microscopy, cytogenetic, molecular pathology, microbiology, transfusion medicine, chemical pathology, hematology and toxicology procedures. (2,3,4,6) 	<ul style="list-style-type: none"> • Teach others how to examine surgical specimens microscopically with clinical expertise. (3,4) • Teach others how to dictate surgical pathology diagnosis with clinical expertise. (1,2,3,4) • Perform autopsies, formulating final clinical and anatomic diagnoses with clinical expertise. (1,2, 3) • Teach other residents how to perform fine needle aspiration for cytological diagnosis. (1,2,3,4,5) • Teach other residents how to perform dermatological biopsies. (1,2,3,4) • Teach other residents how to perform apheresis procedures with clinical expertise. (2,3,4,5,6) • Teach other residents how to perform bone marrow biopsies and aspirations with clinical expertise. (3,4,5,6)

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