

Resident Levels of Care

Radiology

Resident Level: 1

Competency: 1 Medical Knowledge; 2 Patient Care Skills; 3 Practice-based Learning; 4 Interpersonal and Communications Skills; 5 Systems-based Practice; 6 Professionalism

Clinical Diagnosis Management	Clinical Non-Invasive Management	*Clinical Invasive (Operative Management)
<ul style="list-style-type: none"> • Screen requested examinations for proper indications (1,5) • Identify contraindications and suggest alternatives (1,4,5,6) • Obtain relevant information if indication is unclear (1,4,6) • Basic understanding of examination and procedure protocols, including Trauma ultrasound (1,3) • Recommend basic examinations and procedures (1,3,4,6) 	<ul style="list-style-type: none"> • After relevant rotation experience, performance of basic: <ul style="list-style-type: none"> ○ Gastrointestinal Radiology Procedures (1,2,4,6) ○ Genitourinary Radiology Procedures (1,2,4,6) ○ Computed Tomographic Procedures (1,2) ○ Ultrasound Procedures, including Trauma ultrasound (1,2,4,6) ○ Magnetic Resonance Imaging Procedures (1,2) ○ Nuclear Medicine Procedures and Fluoroscopy-Guided Lumbar Punctures (1,2,4,6) 	<ul style="list-style-type: none"> • After relevant rotation experience, performance of basic: <ul style="list-style-type: none"> ○ Angiographic Procedures; Learn venous and arterial accesses (1,2,4,6) ○ Interventional Procedures; simple biopsies and drainages, perform basic activities during daily rounds and at the clinic, learn materials to be used (1,2,3,4,5,6) ○ Avoidance and management of complications (1,2,3,4,5,6) ○ Myelograms (1,2,4,6) ○ Arthrograms (including MR arthrograms) (1,2,4,6) ○ Joint aspirations and Pediatric Gastrointestinal

<ul style="list-style-type: none"> • Pre-procedural consultations and orders (1,4,6) • Post procedural orders and follow-up (1,2,4,6) • Preliminary reports (1,3,4,5,6) • Final report *(with faculty only) (1,3,5) • Dictation of basic reports (1) 		<p>procedures (1,2,4,6)</p> <ul style="list-style-type: none"> ○ Pediatric Genitourinary Procedures (1,2,4,6) ○ Nuclear Medicine (1,2,4,6) ○ Calculate iodine therapy doses for benign thyroid disease. (1,4,6)
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* Requires supervision by a Teaching (Faculty) Physician

Resident Levels of Care

Radiology

Resident Level: 2

Competency: 1 Medical Knowledge; 2 Patient Care Skills; 3 Practice-based Learning; 4 Interpersonal and Communications Skills; 5 Systems-based Practice; 6 Professionalism

Clinical Diagnosis Management	Clinical Non-Invasive Management	*Clinical Invasive (Operative Management)
<ul style="list-style-type: none"> • Screen requested examinations for proper indications (1,5) • Identify contra-indications and suggest alternatives (1,4,5,6) • Obtain relevant information if indication is unclear (1,4,6) • More advanced understanding of examination and procedure protocols (1,3) • Recommend more complex examinations and procedures (1,3,4,6) • Pre-procedural consultations and orders (1,4,6) • Post procedural orders and follow-up (1,2,4,6) • Preliminary reports (1,3,4,5,6) 	<ul style="list-style-type: none"> • After relevant rotation experience performance. More Complex: <ul style="list-style-type: none"> ○ Gastrointestinal Radiology Procedures (1,2,4,6) ○ Genitourinary Radiology Procedures (1,2,4,6) ○ Computed Tomographic Procedures (1,2) ○ Ultrasound Procedures, including Trauma ultrasound (1,2,4,6) ○ Magnetic Resonance Imaging Procedures (1,2) ○ Nuclear Medicine Procedures and: Fluoroscopy-Guided Lumbar Punctures (1,2,4,6) 	<ul style="list-style-type: none"> • After relevant rotation experience performance. More Complex: <ul style="list-style-type: none"> ○ Angiographic Procedures; Perform cerebral angiograms (1,2,4,6) ○ Interventional Procedures; More complex biopsies and drainages, gastrostomy, etc (1,2,3,4,5,6) ○ Propose work-up of inpatients and outpatients with faculty (1,3,4,5,6) ○ Myelograms (1,2,4,6) ○ Arthrograms (including MR arthrograms) (1,2,4,6) ○ Joint aspirations and Pediatric Gastrointestinal procedures (1,2,4,6) ○ Pediatric Genitourinary Procedures (1,2,4,6) ○ Nuclear Medicine (1,2,4,6) ○ Calculate iodine therapy doses for benign thyroid disease. (1,4,6)

<ul style="list-style-type: none">• Final report *(with faculty only) (1,3,5)• Dictation of more complex reports (1)		
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Resident Levels of Care

Radiology

Resident Level: 3

Competency: 1 Medical Knowledge; 2 Patient Care Skills; 3 Practice-based Learning; 4 Interpersonal and Communications Skills; 5 Systems-based Practice; 6 Professionalism

Clinical Diagnosis Management	Clinical Non-Invasive Management	*Clinical Invasive (Operative Management)
<ul style="list-style-type: none"> • Screen requested examinations for proper indications (1,5) • Identify contra-indications and suggest alternatives (1,4,5,6) • Obtain relevant information if indication is unclear (1,4,6) • Advanced understanding of examination and procedure protocols (1,3) • Recommend complex examinations and procedures (1,3,4,6) • Pre-procedural consultations and orders 	<ul style="list-style-type: none"> • After relevant rotation experience, performance of complex: <ul style="list-style-type: none"> ○ Gastrointestinal Radiology Procedures (1,2,4,6) ○ Genitourinary Radiology Procedures (1,2,4,6) ○ Pediatric Radiology Procedures (1,2,4,6) ○ Computed Tomographic Procedures (1,2) ○ Ultrasound Procedures, including Trauma ultrasound (1,2,4,6) ○ Magnetic Resonance Imaging Procedures (1,2) ○ Nuclear Medicine Procedures and Fluoroscopy-Guided Lumbar Punctures 	<ul style="list-style-type: none"> • After relevant rotation experience, performance of complex: <ul style="list-style-type: none"> ○ Angiographic Procedures; Intraoperative angiograms, start routine vascular interventions (1,2,4,6) ○ Interventional Procedures; Start routine non-vascular interventions (1,2,4,6) ○ Myelograms (1,2,4,6) ○ Arthrograms (including MR arthrograms) (1,2,4,6) ○ Joint aspirations and Pediatric Gastrointestinal procedures (1,2,4,6) ○ Nuclear Medicine: (1,2,4,6) ○ Calculate iodine therapy doses for benign thyroid disease.

<p>(1,4,6)</p> <ul style="list-style-type: none"> • Post procedural orders and follow-up (1,2,4,6) • Preliminary reports (1,3,4,5,6) • Final report *(with faculty only) (1,3,5) • Dictation of complex reports (1) 	<p>(1,2,4,6)</p>	<p>(1,4,6)</p>
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* Requires supervision by a Teaching (Faculty) Physician

Resident Levels of Care

Radiology

Resident Level: 4

Competency: 1 Medical Knowledge; 2 Patient Care Skills; 3 Practice-based Learning; 4 Interpersonal and Communications Skills; 5 Systems-based Practice; 6 Professionalism

Clinical Diagnosis Management	Clinical Non-Invasive Management	*Clinical Invasive (Operative Management)
<p>Screen requested examinations for proper indications</p> <ul style="list-style-type: none"> ○ Arthrograms (including MR arthrograms) ○ Joint aspirations (1,5) <p>Obtain relevant information if indication is unclear (1,4,6)</p> <p>Thorough understanding of examination and procedure protocols (1,3)</p> <p>Recommend examinations and procedures (1,3,4,6)</p> <p>Pre-procedural consultations and orders (1,4,6)</p> <p>Post procedural orders and follow-up (1,2,4,6)</p> <p>Preliminary reports (1,3,4,5,6)</p> <p>Final report *(with faculty only) (1,3,5)</p>	<ul style="list-style-type: none"> • After relevant rotation experience performance of : <ul style="list-style-type: none"> ○ Gastrointestinal Radiology Procedures (1,2,4,6) ○ Genitourinary Radiology Procedures ○ Pediatric Genitourinary Procedures ○ Computed Tomographic Procedures (1,2) ○ Ultrasound Procedures, including Trauma ultrasound (1,2,4,6) ○ Magnetic Resonance Imaging Procedures (1,2) ○ Nuclear Medicine Procedures and: (1,2) ○ Fluoroscopy-Guided Lumbar Punctures (1,2,4,6) 	<ul style="list-style-type: none"> • After relevant rotation experience performance of : <ul style="list-style-type: none"> ○ Angiographic Procedures; Initiation of patient evaluation starting all cases and active participation in the organization and function of the Special Procedures section (1,2,3,4,5,6) ○ Interventional Procedures (1,2,4,6) ○ Myelograms (1,2,4,6) ○ Arthrograms (including MR arthrograms) (1,2,4,6) ○ Joint aspirations and: (1,2,4,6) ○ Pediatric Gastrointestinal procedures (1,2,4,6) ○ Nuclear Medicine: <ol style="list-style-type: none"> 1. Calculate iodine therapy doses for benign thyroid disease. (1,4,6) 2. Declare and document brain death. This test performed "On Call". resident may give

Dictation of reports (1)		preliminary report, but final report should be checked with a faculty physician. (1,2,4,6)
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