












# Advanced Diagnostics DCE™ Learning Objectives

Mapped to AACN Master's Essentials and NONPF Core Competencies

AACN Master's Essentials (2011)	NONPF Core Competencies (2017)	Learning Objectives	Learning Activities	Intro to Advanced Diagnostics	Conditions of the GI/GU Systems	Conditions of the Cardio System	Conditions of the Hematologic System	Conditions of the Musc/Neuro Systems
<b>Essential IX: Master's-Level Nursing Practice</b> 1. Conduct a comprehensive and systematic assessment as a foundation for decision making. 2. Apply the best available evidence from nursing and other sciences as the foundation for practice. 4. Use knowledge of illness and disease management to provide evidence-based care to populations, perform risk assessments and design plans or programs of care. 13. Establish therapeutic relationships to negotiate patient-centered, culturally appropriate, evidence-based goals and modalities of care	<b>Independent Practice Competencies</b> 3.b. Uses advanced health assessment skills to differentiate between normal, variations of normal, and abnormal findings 3.c. Employs screening and diagnostic strategies in the development of diagnoses.	Utilize advanced health assessment skills to perform appropriate comprehensive or focused exams, differentiating normal from abnormal based on age, gender, ethnicity, and health status.	Complete a patient interview to collect relevant subjective data.  Complete a focused physical assessment to collect relevant objective data.					 Complete a focused health history  Complete a focused system physical exam
<b>Essential IX: Master's-Level Nursing Practice</b> 1. Conduct a comprehensive and systematic assessment as a foundation for decision making. 2. Apply the best available evidence from nursing and other sciences as the foundation for practice. 4. Use knowledge of illness and disease management to provide evidence-based care to populations, perform risk assessments and design plans or programs of care. 13. Establish therapeutic relationships to negotiate patient-centered, culturally appropriate, evidence-based goals and modalities of care	<b>Independent Practice Competencies</b> 3.b. Uses advanced health assessment skills to differentiate between normal, variations of normal, and abnormal findings 3.c. Employs screening and diagnostic strategies in the development of diagnoses.	Incorporate information from the health history, physical examination, developmental status, and individual/family needs to formulate a database and identify differential diagnoses.	Synthesize patient details and provider notes to identify initial list of differential diagnoses.  Recognize differentials that must not be missed for patient safety.	 Select potential differential diagnoses  30-year-old transgender male with persistent cough for 2 days	 Select potential differential diagnoses  28-year-old female with lower abdominal pain and cramping for 3 days	 Select potential differential diagnoses  58-year-old male with intermittent chest pain for the past month.	 Select potential differential diagnoses  72-year-old female with fatigue lasting several months.	 Use student provider note to select potential differential diagnoses  11-year-old female with knee pain that has worsened over time
<b>Essential IX: Master's-Level Nursing Practice</b> 2. Apply the best available evidence from nursing and other sciences as the foundation for practice. 7. Use knowledge of illness and disease management to provide evidence-based care to populations, perform risk assessments, and design plans or programs of care.	<b>Independent Practice Competencies</b> 3.c. Employs screening and diagnostic strategies in the development of diagnoses.	Demonstrate understanding of application of evidence based practice for selection of diagnostic testing based on patient specific factors.	Select appropriate laboratory and other diagnostic studies relevant to the evaluation of the patient's health situation  Support selection of diagnostic tests by linking to appropriate differential diagnosis.	 Select appropriate diagnostic testing to rule in and rule out differential diagnoses	 Select appropriate diagnostic testing to rule in and rule out differential diagnoses	 Select appropriate diagnostic testing to rule in and rule out differential diagnoses	 Select appropriate diagnostic testing to rule in and rule out differential diagnoses	 Select appropriate diagnostic testing to rule in and rule out differential diagnoses

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<p><b>Essential IX: Master's-Level Nursing Practice</b> 8. Incorporate core scientific and ethical principles in identifying potential and actual ethical issues arising from practice, including the use of technologies, and in assisting patients and other healthcare providers to address such issues.</p>	<p><b>Independent Practice Competencies</b> 3.c. Employs screening and diagnostic strategies in the development of diagnoses. Ethical competencies 1. Integrates ethical principles in decision making.</p>	<p>Discuss ethical, legal, and regulatory considerations including cost/risk analysis related to selecting, collecting, and evaluating diagnostic tests and procedures.</p>	<p>Provide rationales for diagnostic test selection incorporating understanding of evidence based practice.</p>	<p>✔ Communicate rationale for diagnostic test selection</p>	<p>✔ Communicate rationale for diagnostic test selection</p>	<p>✔ Communicate rationale for diagnostic test selection</p>	<p>✔ Communicate rationale for diagnostic test selection</p>	<p>✔ Communicate rationale for diagnostic test selection</p>
<p><b>Essential IV: Translating and Integrating Scholarship into Practice</b> 1. Integrate theory, evidence, clinical judgment, research, and interprofessional perspectives using translational processes to improve practice and associated health outcomes for patient aggregates.</p> <p><b>Essential IX: Master's-Level Nursing Practice</b> 2. Apply the best available evidence from nursing and other sciences as the foundation for practice. 7. Use knowledge of illness and disease management to provide evidence-based care to populations, perform risk assessments, and design plans or programs of care.</p>	<p><b>Independent Practice Competencies</b> 3.c. Employs screening and diagnostic strategies in the development of diagnoses.</p>	<p>Demonstrate utilization of clinical reasoning when interpreting diagnostic skills and procedures</p>	<p>Review diagnostic test results and synthesize findings to narrow down differential diagnoses to a final diagnosis.</p>	<p>✔ Review results of diagnostic tests and interpret findings to inform final diagnosis selection</p>	<p>✔ Review results of diagnostic tests and interpret findings to inform final diagnosis selection</p>	<p>✔ Review results of diagnostic tests and interpret findings to inform final diagnosis selection</p>	<p>✔ Review results of diagnostic tests and interpret findings to inform final diagnosis selection</p>	<p>✔ Review and interpret an X-Ray to inform final diagnosis selection</p>
<p><b>Essential IX: Master's Level Nursing Practice</b> 13. Establish therapeutic relationships to negotiate patient centered, culturally appropriate, evidence-based goals and modalities of care.</p>	<p><b>Independent Practice Competencies</b> 6. Collaborates with both professional and other caregivers to active optimal care outcomes.</p>	<p>Exhibit advanced communication skills required for effective collaborative and expanded professional relationships.</p>	<p>Demonstrate professional communication by providing evidence based practice rationales.</p>	<p>✔ Present evidence based rationale for selection of final diagnosis</p>	<p>✔ Present evidence based rationale for selection of final diagnosis</p>	<p>✔ Present evidence based rationale for selection of final diagnosis</p>	<p>✔ Present evidence based rationale for selection of final diagnosis</p>	<p>✔ Present evidence based rationale for selection of final diagnosis</p>