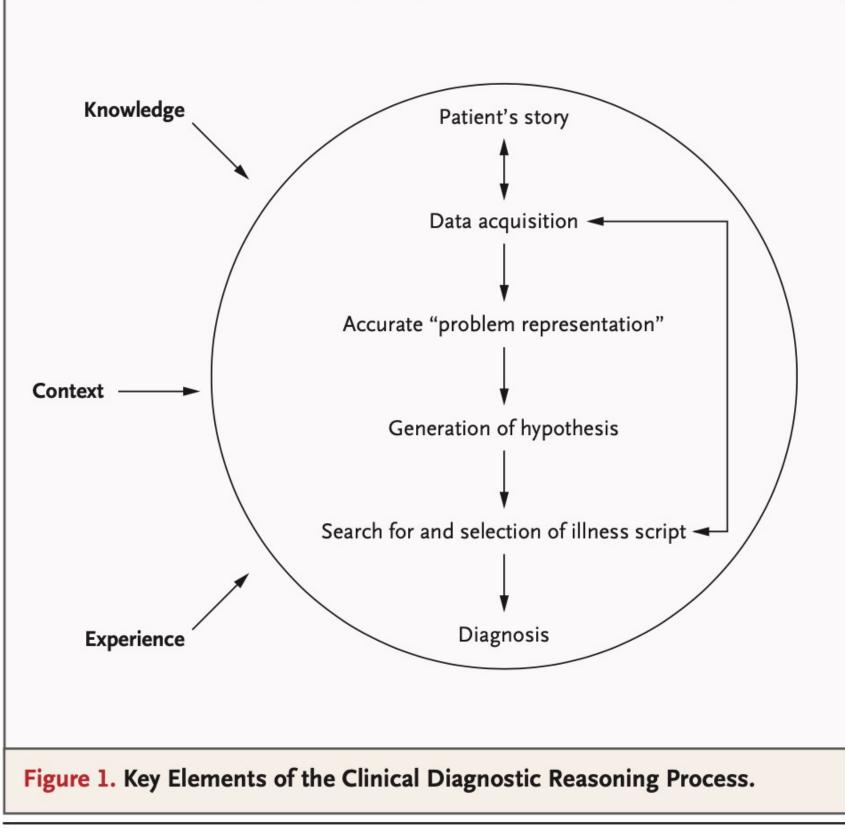
Don't Discount The Differential: A Novel and Reproducible Inpatient Pediatrics Clinical Reasoning Curriculum for Family Practice Residents at Community Teaching Hospitals



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BACKGROUND

- Diagnostic accuracy in clinical reasoning relies on illness scripts (IS)
- Trainees accumulate IS through patient care or direct instruction
- FP residents have limited and variable pediatric patient encounters
- Peds hospitalists instruct FP residents
- There is no existing pediatric clinical reasoning curriculum for FP residents



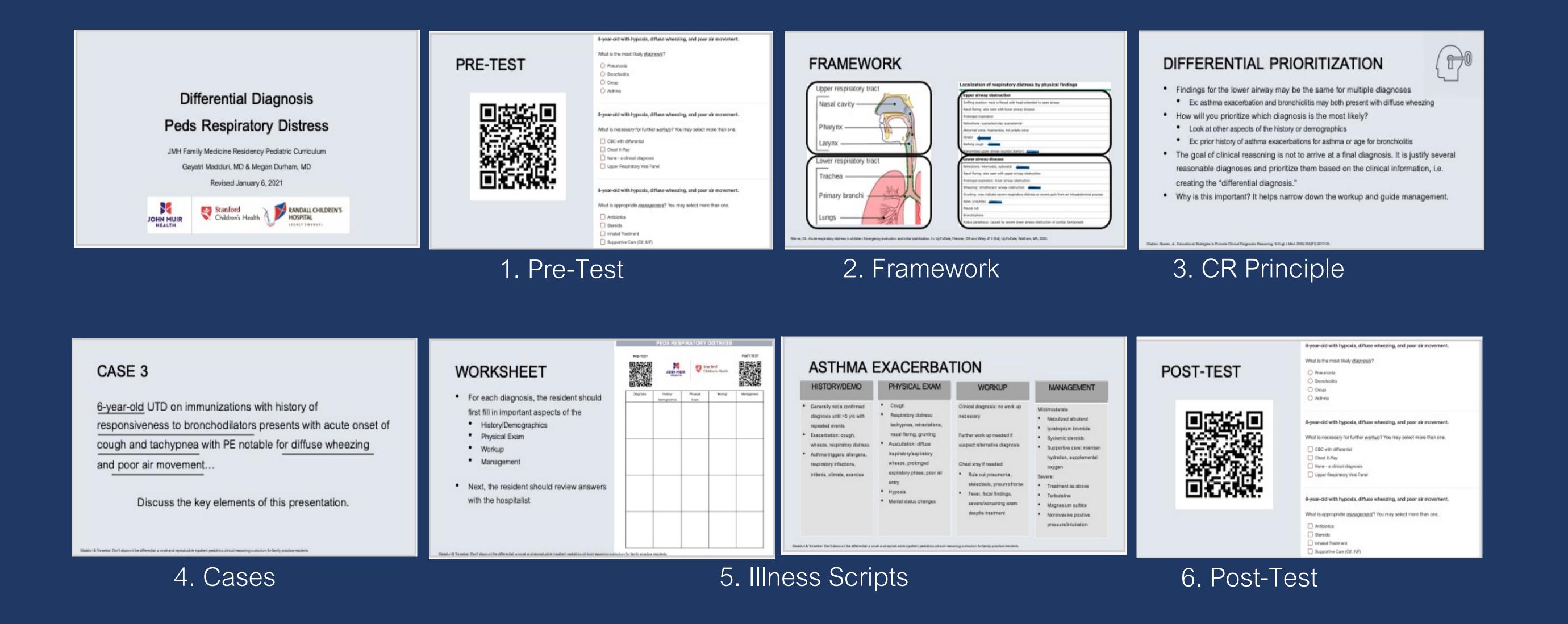
Bowen, JL. Educational Strategies to Promote Clinical Diagnostic Reasoning. N Engl J Med. 2006;355(21):2217-25.

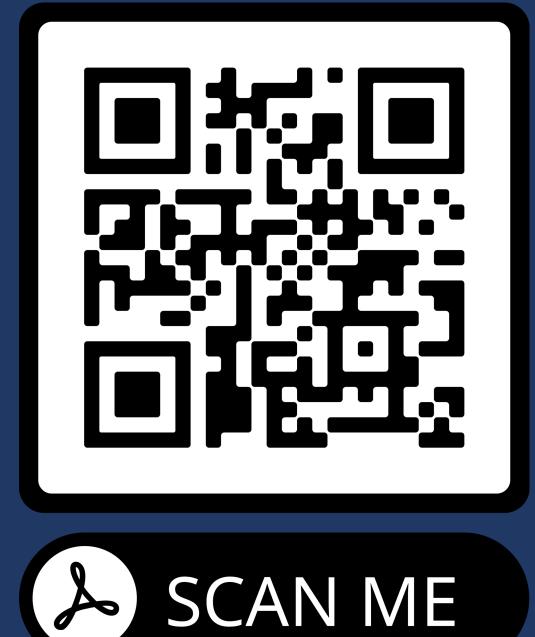
RESEARCH STATEMENT

We propose that a clinical reasoning curriculum will facilitate knowledge acquisition of the diagnosis, workup, and management of pediatric:

- 1. Respiratory Distress
- 2. Abdominal Pain
- 3. Fever Without A Source
- 4. Acute Atraumatic Febrile Limp

This new **curriculum** uses **clinical reasoning** to teach trainees about **pediatric illnesses**.







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Take a picture to download a sample lecture

METHODS

Figure 1. Lecture Design

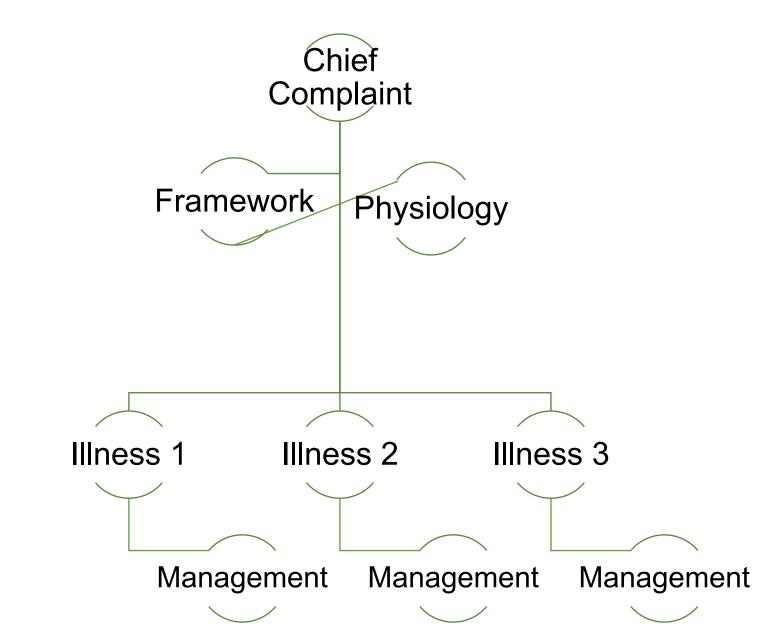


Table 1. Learning Strategies

Step	Learning Strategy	
Pre-Test	Activate prior knowledge with case examples	
Framework	Direct instruction of a framework to organize the differential diagnosis for a given chief complaint	
CR Principle	Direct instruction of a core clinical reasoning principle that applies to the lecture	
Cases	Effective questioning compares and contrasts case examples applicable to the chief complaint	
IIIness Scripts	Graphic organizers, effective questioning, and direct instruction compares and contrasts illness scripts	
Post-Test	Formative assessment of knowledge acquisition	

Table 2. Key Concepts

Chief Complaint	Framework	CR Principle
Respiratory Distress	Upper vs. Lower Airway	Differential Prioritization
Abdominal Pain	Urgent vs. Non- Urgent	Illness Scripts
Fever Without A Source	Risk of SBI by Age	Problem Representation
Acute Atraumatic Febrile Limp	Presenting Characteristics	Semantic Qualifiers

EVALUATION

- 1. Learner Pre/Post-Tests
- 2. Learner Feasibility/Acceptability Survey
- 3. Hospitalist Feasibility/Acceptability Survey

Spring 2021: Pilot at JMH Fall21-Spring22: Implementation at JMH/RC

A work in progress - stay tuned!

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