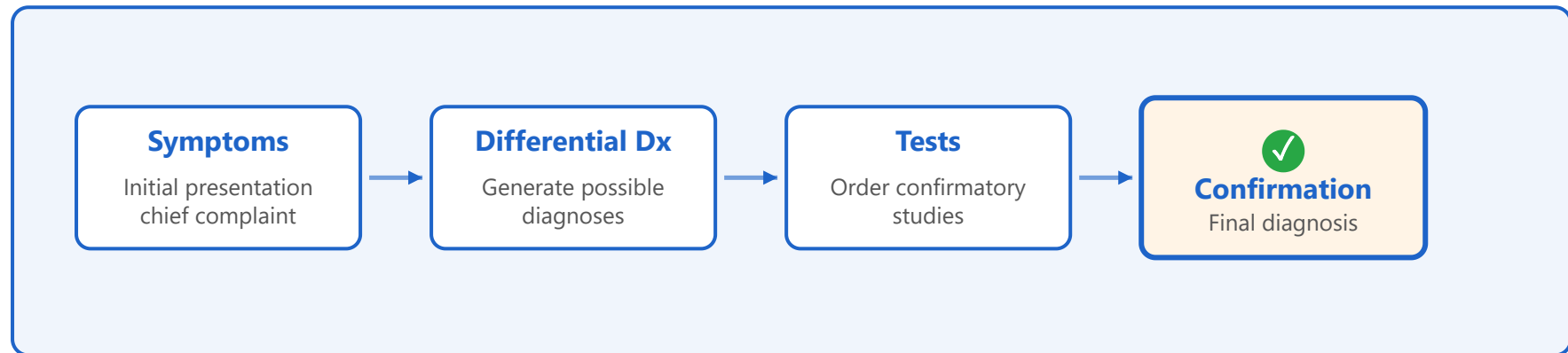


## Diagnostic Reasoning Chains



### Example: Chest Pain Evaluation

- Symptoms:** 65yo male, sudden chest pain, radiating to left arm, diaphoresis
- Differential:** 1) MI, 2) Angina, 3) GERD, 4) Costochondritis, 5) Pulmonary embolism
- Key Tests:** ECG (ST elevation), Troponin (elevated), Cardiac enzymes
- Diagnosis:** Acute ST-elevation myocardial infarction (STEMI)
- Reasoning:** Classic presentation + ECG changes + elevated biomarkers → STEMI confirmed