

## Emergency Triage with Chain-of-Thought

### Triage CoT Process

- **Rapid Assessment:** ABC (Airway, Breathing, Circulation) first
- **Priority Scoring:** ESI (Emergency Severity Index) 1-5
- **Resource Prediction:** Anticipate needed tests/interventions
- **Time-Critical Flags:** STEMI, stroke, sepsis alerts

### Example: Chest Pain Triage

**Step 1: Vital Signs**  
BP 160/95, HR 110  
→ **concerning**

**Step 2: Symptoms**  
substernal pressure  
→ **cardiac?**

**Step 3: Risk Factors**  
age 65, DM, HTN  
→ **high risk**

**Step 4: Alert!**  
**Red flags present**  
→ potential ACS

**Triage: ESI Level 2 - IMMEDIATE**  
Bedside ECG, labs, cardiac monitoring NOW



**Critical:** CoT enables rapid, systematic prioritization under time pressure