

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