Smart EMR at Aster Hospitals UAE:
A Leap Forward with Generative AI (LLM)

Meet AsterMate – First Generative AI EMR

Creates a Patient CarePlan with only three inputs from physicians.

Examines medical terminology and expands abbreviations.

Decreases physicians' documentation time by 70%.

Monitors vital irregularities and recommends potential care strategies.

Automatically produces Order sets, Medication sets, and Care Plans.

Ensures the integrity of clinical data.

Extracts medical codes from plain text (SNOMED, CPT, ICD, LOINC).

Meet AsterMate – First Generative AI EMR

- Intelligent Evaluation - Triage

- Categorizes patients into 5 groups using the CTAS Model.

- Automatically determines the category and recommends physician response time.

- Advises on nurse response time and potential re-evaluation moments.

- Determines potential medical codes from plain text.

- Monitors for vital inconsistencies.

- Examines potential medication issues, including drug interactions (drug-to-drug, drug-to-food, drug-to-lab) and dosage discrepancies.

Benefits we have with Generative AI

80% Reduction on doctor documentations time

90% reduction on Nurses Documentation time

100% improvement on documentation quality

30% reduction on the insurance rejection

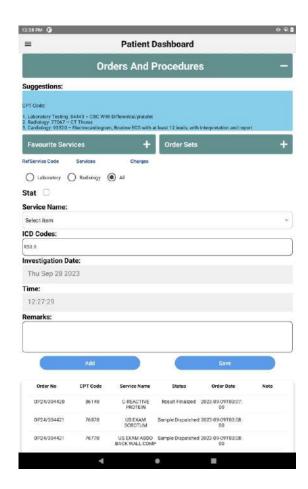20% reduction on insurance approval Queries
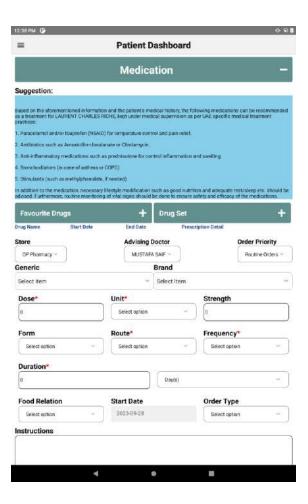
Employee satisfaction

Patient safety

Meaningful reminders to the nurses and doctors

Snapshot of products

Snapshot of products

Category: CTAS Level 1 - Resuscitation
Time to Doctor: Immediate
Time to Nurse: Immediate
Time to reassess: Continuous Monitoring
Waiting Time: No Waiting Time
ICD 10 (Primary): I20.9 (Angina Pectoris, Unspecified)
ICD 10 (Secondary): R07.2 (Chest Pain on Breathing)
SnomedCode: 29857009 (Chest Pain), 25064002 (Shortness of Breath)

The patient is presenting with symptoms that suggest a serious cardiac event such as a heart attack (chest pain, left arm pain, shortness of breath, hypotension, ~~high pulse rate, and low SPO2). This requires immediate medical~~ interventi~~on~~

Save Triage(Category

Category: CTAS Level 2 - Emergent
Time to Doctor: Immediately
Time to Nurse: Immediately
Time to reassess: Every 15 minutes
Waiting Time: None
ICD 10 (Primary) (Secondary): I20.9 (Unspecified angina pectoris), R07.2 (Chest pain on breathing)
SnomedCode: 29857009 (Chest pain), 25064002 (Pain in left arm), 25064002 (Headache)

This patient is presenting with symptoms that may indicate a serious condition such as a heart attack. Chest pain, left arm pain, and a high pain score are all concerning symptoms. The patient's vitals are also concerning, with a high pulse rate, low oxygen saturation, and low blood pressure. This patient should be seen by a doctor immediately and reassessed frequently. The suggested ICD 10 codes and SnomedCode are related to chest and left arm pain, which are the most concerning symptoms.

Save Triage(Category: CTAS Level 2 - Emergent)