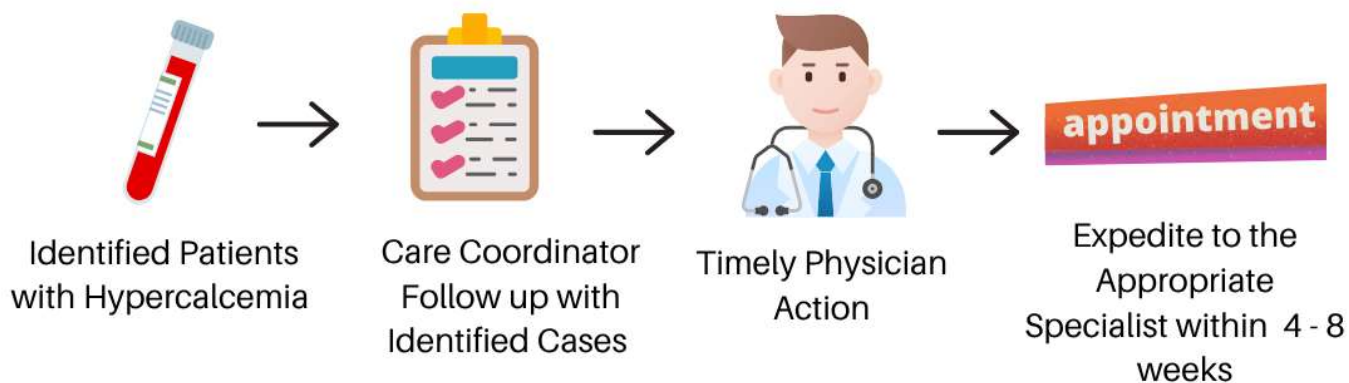


INTRODUCING CalSense

Smarter Calcium monitoring with AI

What is CalSense?

A Calcium-Sensing AI tool to detect patients with significant hypercalcemia within the NUHS cluster, to allow for earlier and timely intervention.



Why CalSense matters

- Prevent progression of disease due to delay of definite treatment
- Prevent hospitalization due to hypercalcemia or progression of disease

What you need to know

- If you are the ordering or primary physician of the patient with hypercalcemia, you may be contacted by a care coordinator
- The care coordinator may request you to review the results or to make a referral
- Your collaboration supports expedited referral and intervention

For enquires, please contact CalSense Team at CalSense@nuhs.edu.sg

Most Advanced Healthcare Technology

CalSense+: Real-Time AI-Driven Detection and Triage of Hypercalcemia

Division of Endocrine Surgery, Department of Surgery

Initiative

Hypercalcemia (or high calcium levels in the blood) is a common but underdiagnosed abnormality, often indicative of serious underlying conditions.

The project team developed and implemented CalSense+, an AI-powered tool that flags abnormal readings to doctors in real-time, prompting faster medical interventions for patients.

Results



Up to **80%** detection of all hypercalcemia cases across NUHS, of which NUH is part of



Up to **50%** reduction in time from abnormal calcium result to clinic visit



Reduction in hypercalcemia-related morbidity through earlier intervention



Clinician workload decreased through automated workflows and alerts, freeing time for complex decision-making