

AI App Prevent Falls Through Early Prediction of Bed Exit Attempts

Hospitals can reduce patient falls by adding to their remote video patient observation systems, the KnowFalls AI Fall Prevention App. The HIPAA compliant App interfaces to the KnowFalls Patient Observation System (POS) and other similar systems and...

- Independently monitors one of the patient camera's multiple video output streams
- Automatically locates the patient's bed and patient
- Predicts a bed exist attempt by analyzing patient activity and identifying "risky" behavior
- Generates an alert to the KnowFalls POS to display a video and audio alarm to the patient observer

Upon confirmation, the patient observer via the KnowFalls POS verbally engages the patient to slow down or stop the bed exit attempt and/or contact the attending nurse or CNA to intervene.

By providing the care team with earlier and more reliable prediction of bed exit attempts, the AI Fall Prevention App reduces falls, stops false alarms,

saves nursing resources and makes caregiving safer.

Automatic Alert Generation

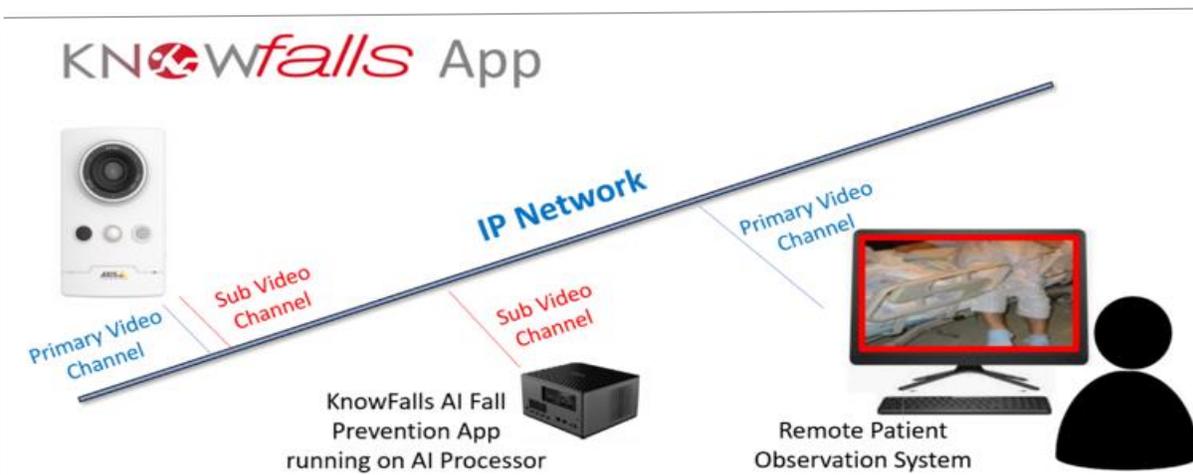
Patient observers receive two types of alerts...

- Yellow Alerts - if the patient is undertaking "risky" behavior preceding a bed exit attempt. Examples include a patient violently shaking bed rails or forcibly pushing off a food tray.
- Red Alerts - if the patient is undertaking a bed exit, e.g., moving a leg off the bed.



Interfaces to Patient Observations Systems

As shown below, the AI Fall Prevention App runs on an AI Processor that interfaces to the IP network.



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The App acquires and processes data from the camera's sub-video channel and generates alert messages through the Patient Observation System. Each AI Processor can support eight (8) cameras.

No False Alarms for Patient Intervention



The AI Fall Prevention App gives the care team more time to stop patient falls. Plus, by providing 24/7 patient monitoring with confirmation of alerts by the patient observer, the attending nurse or CNA receive no false alarms.

Saves Patient Observer Time

The KnowFalls AI Fall Prevention App does not require patient observers to identify the bed or patient within the camera's field of view, to designate areas of interest for monitoring or be concerned with background activities. More importantly, the App's underlying artificial intelligence model, enables the system to improve its detection capability. The model learns just as a human learns. Through intelligent decision making, hospitals can make the care team's job simpler and more productive.

Easy Evaluation

Hospitals can easily evaluate the KnowFalls AI Fall Prevention Application by purchasing or renting a KnowFalls Fall Prevention Starter System. It is an 8-camera patient monitoring system. It includes all hardware components (including cameras, processors and monitors) and the KnowFalls Patient Observation System and the AI Fall Prevention App.

For more information contact a KnowFalls application specialists at ...



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