Aster Hospitals UAE

Dubai's Smartest & Most Digitally Advanced Healthcare Institution

- First Hospital in Dubai with HIMSS Level 6 Validation
- Integrated Superintelligent Systems
- 5G-powered Smart Hospital Infrastructure
- Innovations in Precision Care
- Winner-of Multiple UAE Innovation Awards

WORLD'S BEST SMART HOSPITALS 2025
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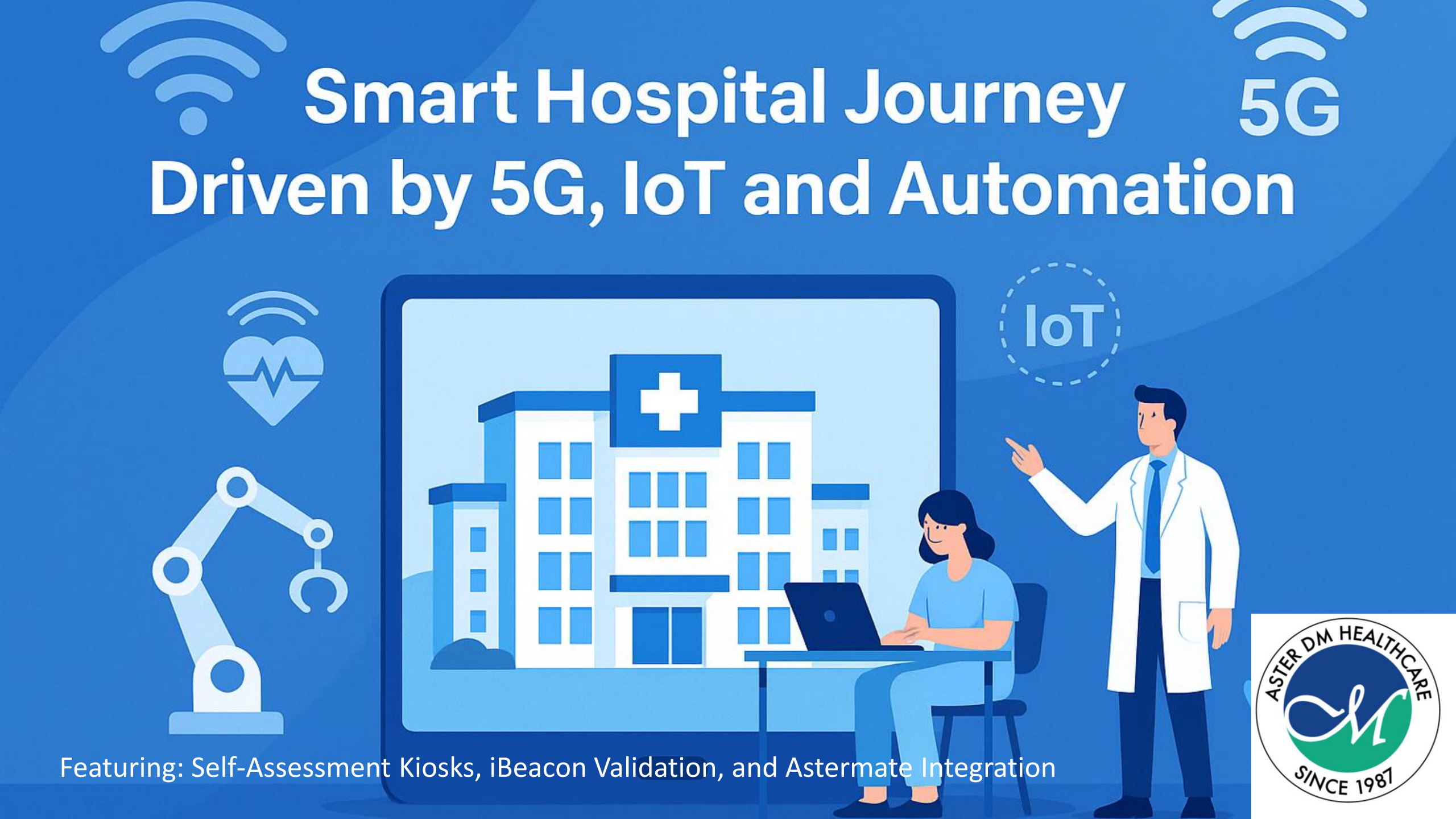
HIMSS

Smart Hospital Journey Driven by 5G, IoT and Automation



Featuring: Self-Assessment Kiosks, iBeacon Validation, and Astermate Integration

ASTER DM HEALTHCARE
SINCE 1987

Challenges in Traditional ER Triage

- Long pre-triage waiting time
- Overcrowding during peak hours
- Delays in time-sensitive care
- High dependency on human resources

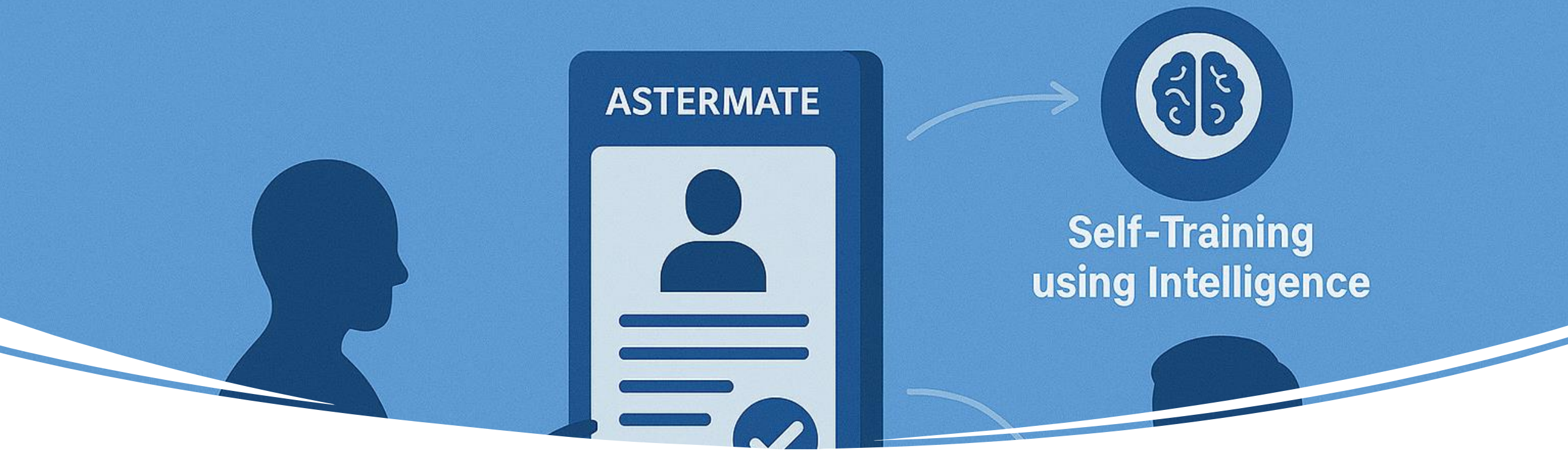
Self-Assessment Kiosk – Core Features

- Self-reporting of symptoms
- Instant EID scanning and demographic capture
- Reduced triage and registration time
- Guided patient pathway for ER visit

Patient Journey with Self-Assessment

- 1. Patient scans EID at kiosk
- 2. Enters complaint via touch UI
- 3. Receives triage token
- 4. Nurse validates & prioritizes via e-triage screen

Self-Assessment Kiosk



Impact of Self-Assessment Implementation

- Encounter time reduced from 5.55 to 3.95 mins
- Triage time reduced from 7.2 to 4.6 mins
- Reduced DHA violations
- Increased NPS score from 16 to 62

Beyond“ Validation
of Inpatient-Based Barcoded Transactions

Financial and Environmental Gains

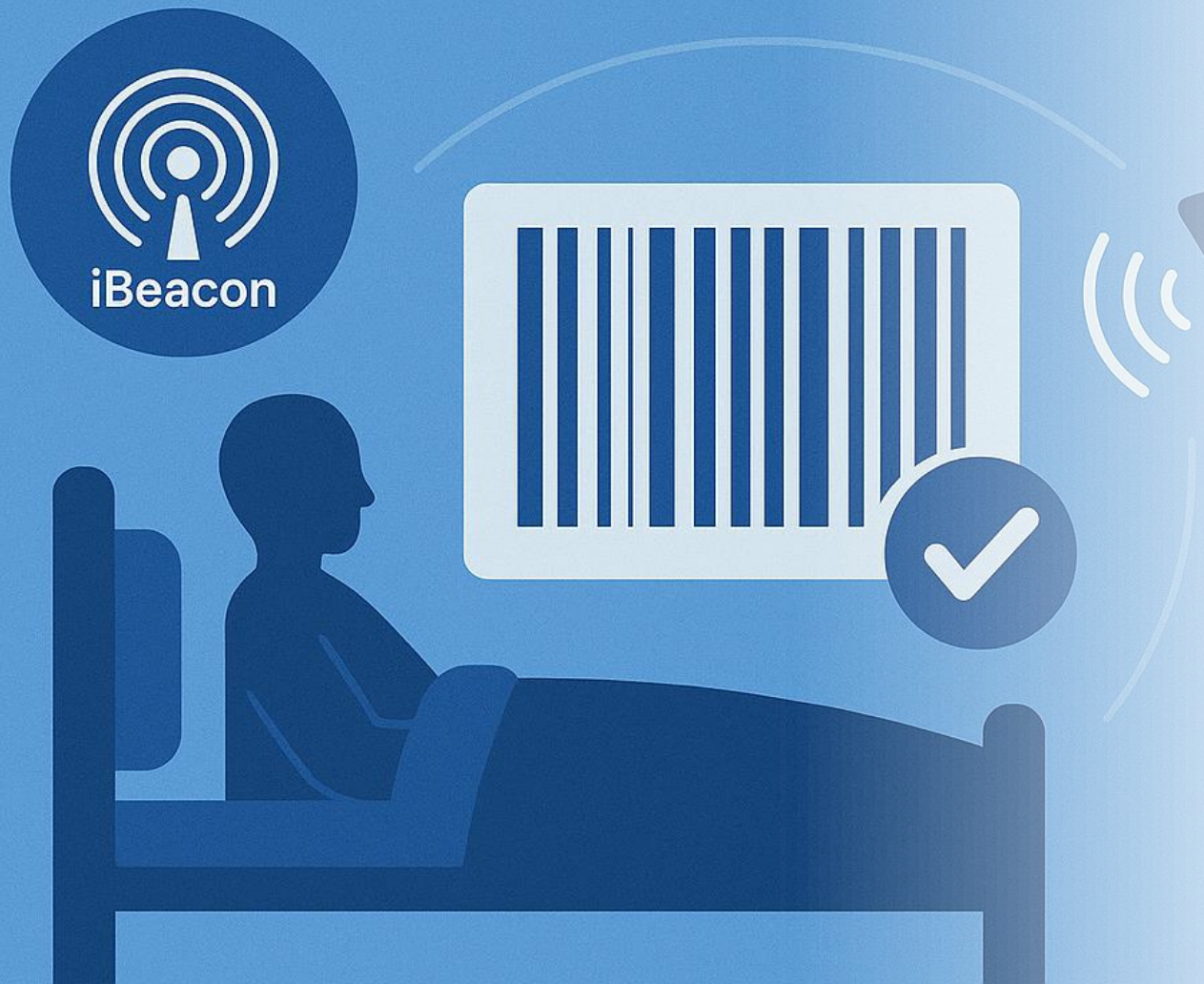
- AED 36,000 annual manpower savings
- 80% paper reduction (from 200 to 40 pages/day)
- Lower operational cost and carbon footprint

Doctor support for Pathway Discovery and Setup

Astermate Integration

- Doctor support for pathway-based triage
- Self-training modules for kiosk UI
- Personalized medical assistance powered by AI

Validation Beyond People
with iBeacon



iBeacon-Powered Validation

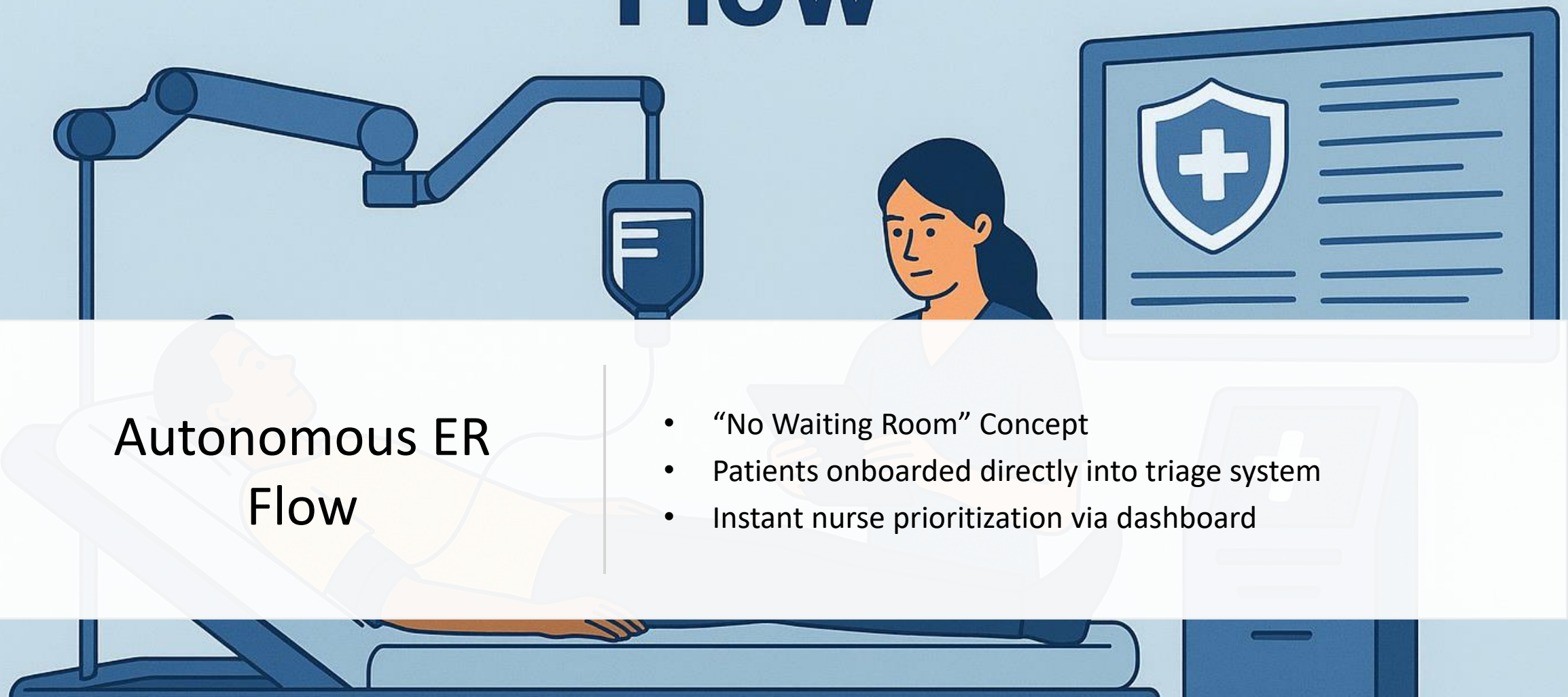
- Secure validation during barcode-based workflows
- Automated checks for BCMA, BCBT, BCEMA
- Location and proximity-aware IoT triggers

iBeacon Validation Beyond People, Amazing

Barcode Transactions with iBeacon

- BCMA: Safe medication administration
- BCBT: Ensures right blood, right patient
- BCEMA: Protecting NICU babies via milk feed tracking

Automation in ER Flow

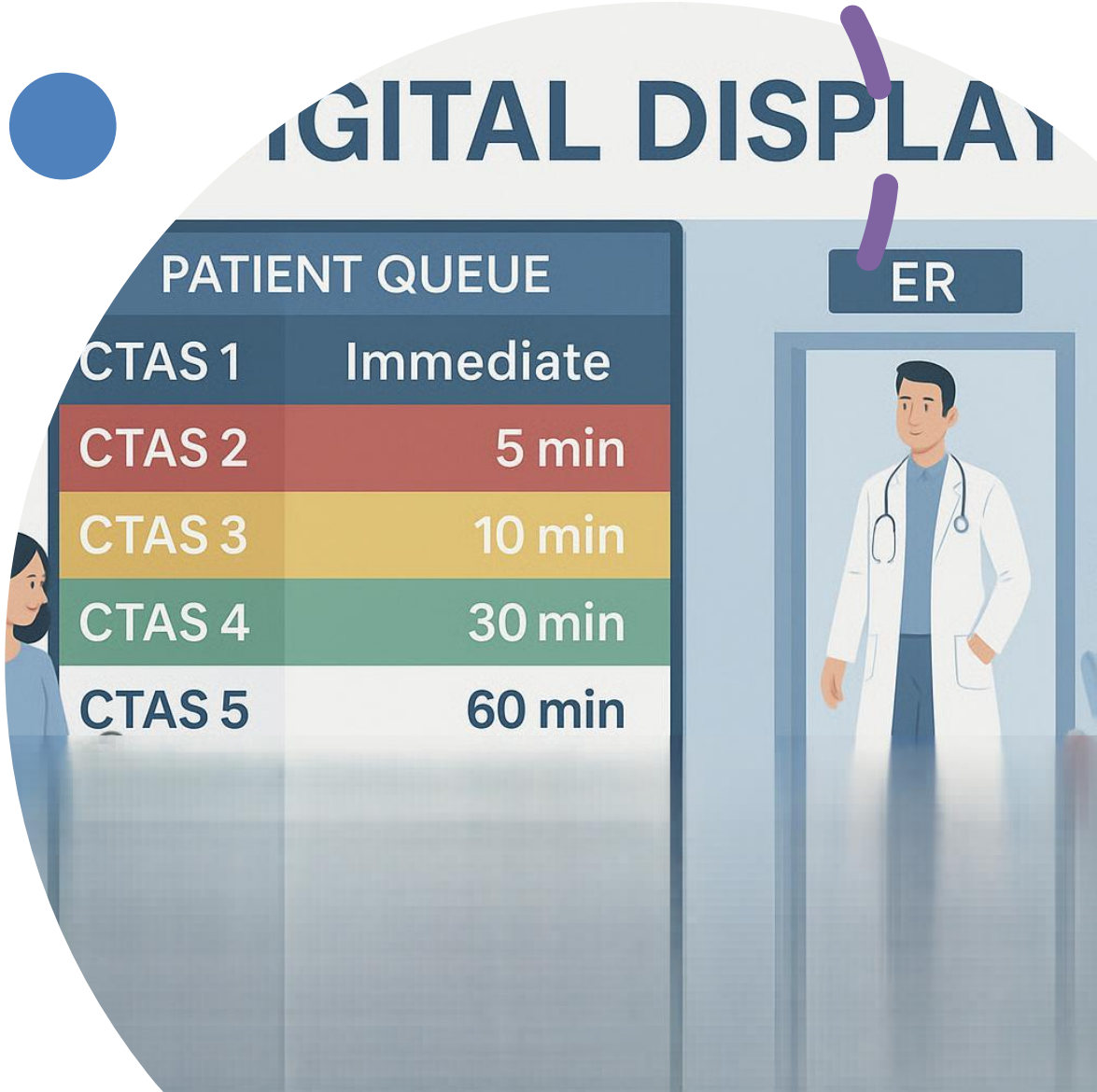


Autonomous ER Flow

- “No Waiting Room” Concept
- Patients onboarded directly into triage system
- Instant nurse prioritization via dashboard

ER Digital Dashboard Display

- Patient token and triage category displayed
- Doctor tagging and chief complaints visible
- Transparent flow and real-time updates



Patient Feedback and Experience

- 85% satisfaction with kiosk use
- Easy and efficient for repeat patients
- High acceptance despite tech challenges

Key Outcomes

- Reduced ER crowding
- Improved patient safety
- Cost-efficient care delivery
- Digital-first experience

What’s Next?

- Multi-language and voice-assisted kiosks
- Integration with remote monitoring
- Predictive triage using AI and historical data

THE VISION AHEAD

Not just a roadmap.
A revolution in rhythm.

Where hallways whisper diagnostics,
and machines listen to hearts before we speak.

Where every second saved saves a life,
and every barcode scanned becomes a silent guardian.

Where Astermate doesn't replace doctors —
it amplifies them.
And kiosks don't just register **complaints** —
they preempt crises.

This is not the future.
This is the present catching up to your **imagination.**

🧍 No queues. 🧬 No guesswork. 🌍 No boundaries

This is the New Healthcare Intelligence Order.

The vision ahead isn't about machines.
It's about what happens when
human empathy meets algorithmic clarity — in ' time.

SMART HOSPITAL. SUPER INTELLIGENCE.
ONE MISSION: CARE

The Vision Ahead

- Smart Hospitals will define future healthcare
- AI + IoMT will power proactive care
- Automation enables safety, speed, and satisfaction

Thank You

- For more information, visit: https://axz.si
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