

Patient Safety Initiative: Surgical Sponge Tracking

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BACKGROUND

Surgical sponges retained inside patients' bodies following surgery is a major medical concern – as voiced by WHO and many global studies

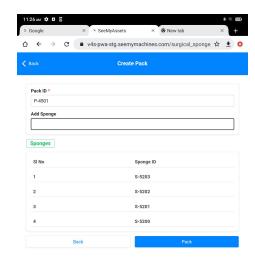
- Global statistics reveal that a surgical sponge is left inside a patient in 1 out of 6000 surgeries
- 3 external cases seen last quarter from other hospitals who underwent surgery at KIMSHEALTH to remove it
- The current process to account for surgical sponges is manual counting which is prone to human error
- Longer operations run through many packs of surgical sponges which exponentially increases this risk
- **Dependent on OT staff's** diligence and experience
- Retained sponges leads to pain and infection
- We felt the dire need to solve this using technology



THE INNOVATIVE SOLUTION

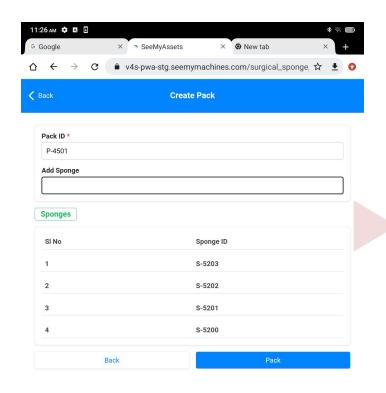
KIMSHEALTH has pioneered for **the first time in India**, a **patient safety initiative** leveraging technology to prevent such occurrences. We have digitized and automated the process of identification and monitoring of surgical sponges.

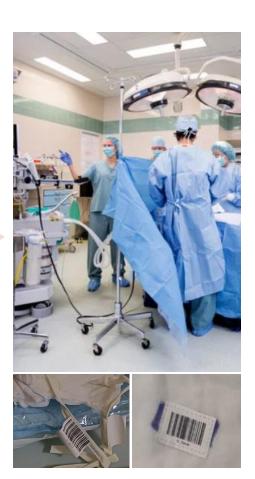
- Implemented barcoding for unique identification of surgical sponges and packs before sterilization
- Scan-in of both packs and individual sponges pre-surgery into the software
- Scan-out the sponges post-surgery before closing the patient
- Error-free and accurate tracking of every sponge entering and exiting an OT

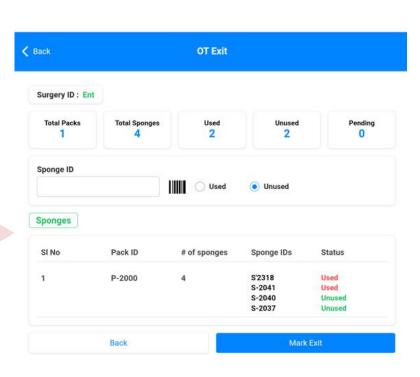




SIMPLE PROCESS - SIGNIFICANT BENEFITS







ADVANTAGES

- Improves safety of every patient that comes into the OT
- Completely eliminates human errors
- **Reduces time** Allows surgeons to close more quickly as they are not waiting on a manual count and recount.
- Very cost effective solution
- Easy implementation in SaaS model which can be easily rolled-out to multiple OT's and smaller centres
- Solution model can be extended to other OT equipment.
 Work is currently ongoing at KIMSHEALTH to achieve this

KIMSHEALTH is the first and only Hospital in India to pioneer and implement this technology

USA Today reports that **less than 15%** of American hospitals use tracking technology on surgical sponges. Hospitals that use this technology have credited the system with eliminating retained sponge surgical errors entirely.







THANK YOU

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KIMSHEALTH

We are a quaternary care hospital network offering end-to-end healthcare services, right from primary to quaternary care in India and Middle-east

- All specialties
- Cancer center
- Patient Mobile App
- Laboratory
- Radiology
- Pharmacy
- Tele-ICU
- Homecare
- Vaccinations
- Tele Medicine 900+
- Hospitals & courses **Medical Centres**

2000+

Nurses

1800+

Beds

India Bahrain

Oman

Qatar

Saudi Arabia

