

GEM OF IDUKKI

VIRTUAL ASSISTANCE TO REMOTE HOSPITALS



A PATIENT SAFETY INITIATIVE



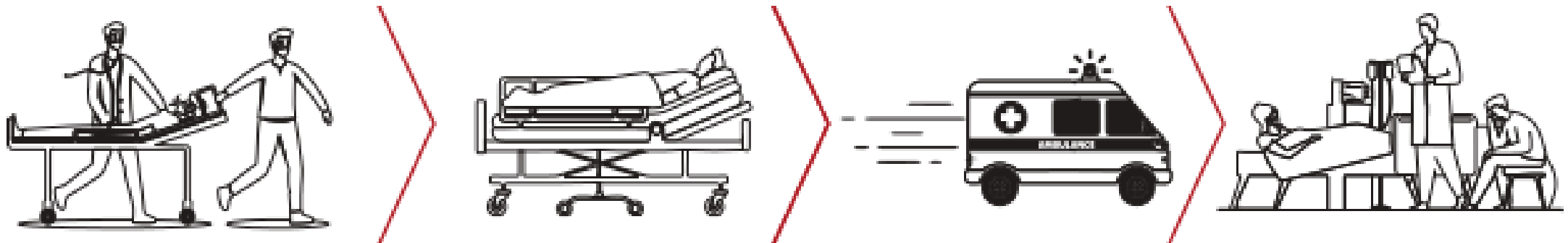
BACKGROUND & PROBLEM STATEMENT

Mar Sleeva Medicity Palai

- 648 Beds | NABH Accredited | 140 Critical Care Beds | 200+ Doctors | Nearest Quaternary Care Hospital to Idukki District

Idukki

- Largest district : 4363 sq kms | Population : 11 lakhs+ | Terrain : High range with dense forest cover
No rail and air connectivity | No major tertiary care hospital
- Limited access to emergency care in Idukki | Lack of specialist at remote hospital
- Delayed treatment | Referred out to higher centre - Danger to life of patient



THE SOLUTION - GEM OF IDUKKI

- Whatsapp enabled computer on wheel with high definition camera at remote hospital
- 24/7 free critical care specialist support is ensured from Mar Sleevea Medicity
- Remote management of critically ill patients is ensured
- Proposed to connect 4 strategic locations in Idukki to Mar Sleevea Medicity
- First pilot installation successfully operated



Step 1 : Patient at Remote Hospital

Patient is received at remote hospital

Step 2 : Assessment of Patient

Patient assessment is done at remote hospital and needs specialised treatment



Step 3 : Call Initiated

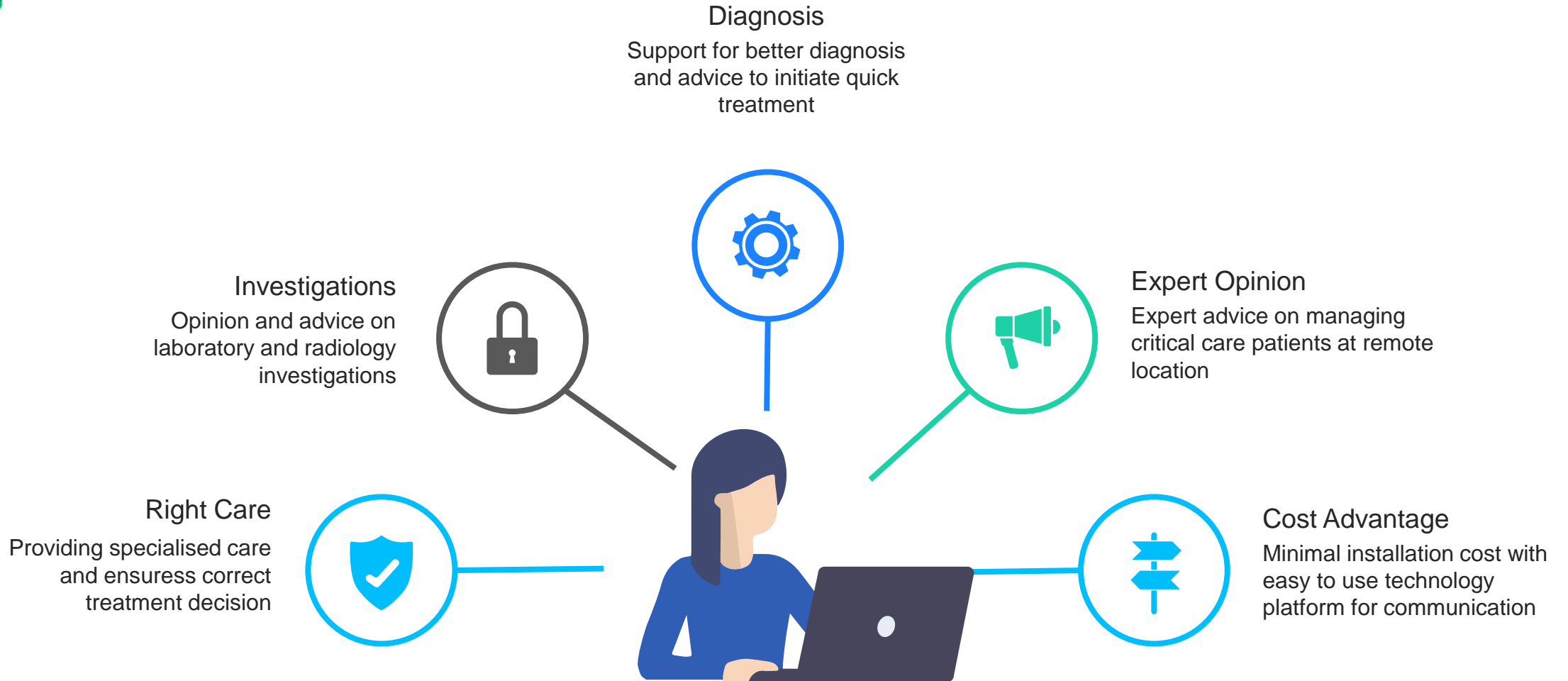
Call is made from remote hospital to the dedicated helpline at Mar Sleevea Medicity

Step 4 : Video Call Enabled

A video call is enabled between the hospitals and expert assessment is done by critical care team

Step 5 : Treatment Plan

Based on the video call and expert advice an initial treatment plan is made and patient care is given



THE FINAL PROJECT

- Enabling 5G ambulance with video assistance
- Integrated devices for real-time data sharing
- Connected point of care devices

