Mac-Lab™ | CardioLab™
AltiX Edition

Invasive Networking with CARESCAPE™ patient monitors

Power Up Workflows.
Lock Down Data.

gehealthcare.com

Workflow Functionality

AltiX Edition, the enhanced Mac-Lab | CardioLab recording system adds flexibility within existing workflows and seamless interoperability by using Invasive Networking solutions, with its optional GE Healthcare's CARESCAPE monitoring systems data availability.

Using the Invasive Network's documentation and reporting enhancements healthcare professionals can enter patient study documentation as the patient moves through the pre-procedure, procedure and post-procedure areas. Additionally, in the pre-procedure and post-procedure areas, Mac-Lab | CardioLab clients can be implemented to auto-capture patient vitals from the data available at the GE CARESCAPE patient monitor.

Patient study can be initiated from any workstation, including pre/post, simply by choosing the acquisition where procedure will be completed. The clinician can continue documentation at the pre/post workstation while the patient is in transit. The patient study will be continued from the acquisition station.

Patient studies are automatically pulled by the INW Server after completion, eliminating the need to push patient studies manually and simplifying data transfer. Review (post) workstations may view any previously acquired patient study documentation, which may include nonreal time waveform data, vitals events and reports. By choosing the appropriate lab or study, ongoing or finished procedures can be both viewed.

Pre/Post-Procedure Workstation

Capture information outside the procedure room to help increase throughput:

- Pre and Post Procedure documentation
- Vitals
- Conscious sedation
- Medications
- ACC Registry information

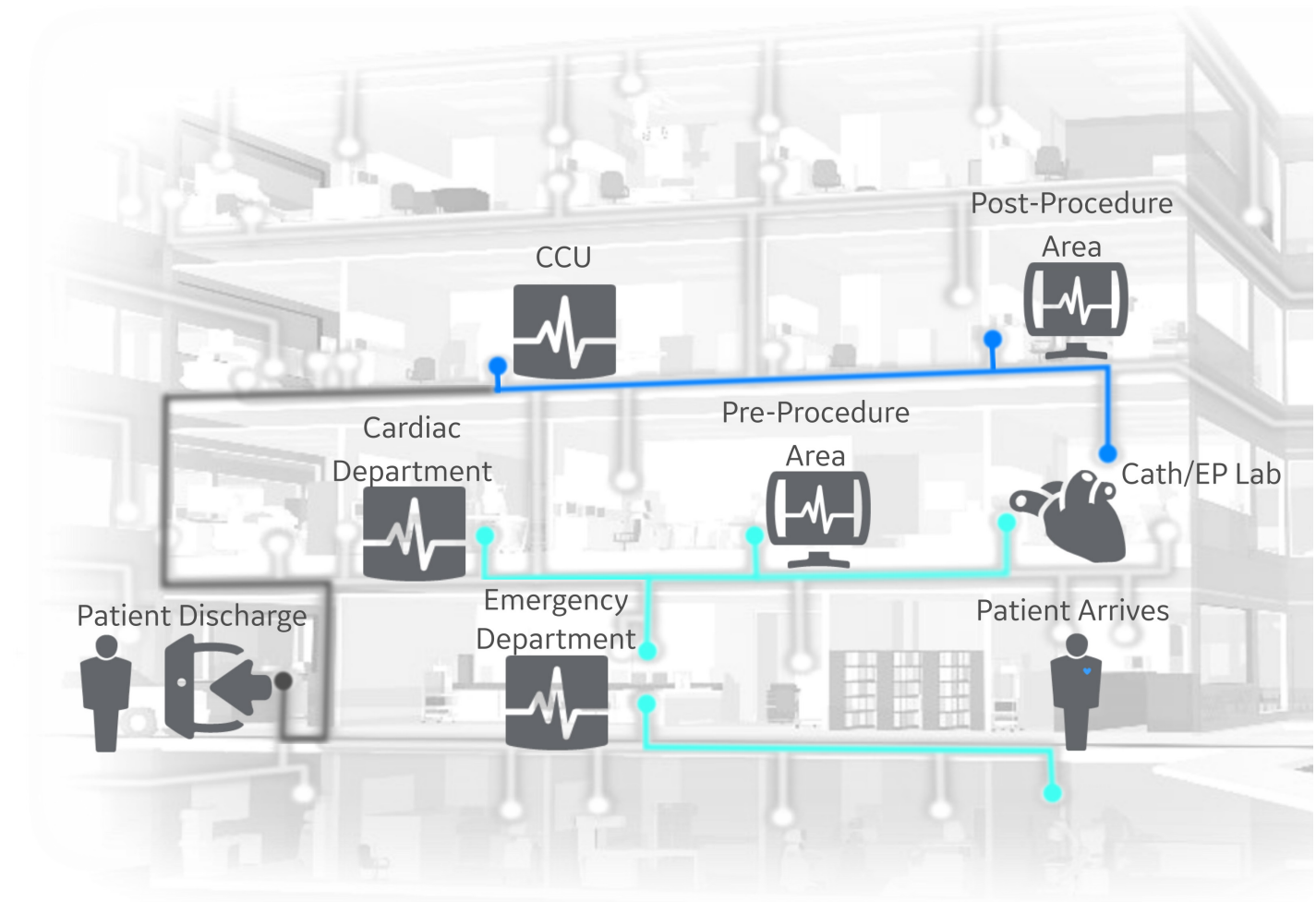
Capturing data that is available from GE CARESCAPE monitors

Auto-captures patient vitals information including:

- SpO_2
- NIBP
- Temp
- HR
- RR

Patient Journey

With data entered and documented at the pre/post workstations and with the auto-captured vitals from the data available at the GE CARESCAPE patient monitors, documentation is available on the Mac-Lab | CardioLab AltiX Edition recording systems when the patient arrives in the Cath/EP Lab from the Emergency Department or the Cardiac Department. The Pre-, or Post- Procedure area is separate from the procedure room, where the patient state can be documented and observed with optional capturing data that is available from GE CARESCAPE monitors.



In the patient holding area, the Mac-Lab I CardioLab case log is automatically created and updated via the Pre-Procedure Workstation.

In the recovery area, the Post-Procedure Workstation automatically appends new information to the case log.

Benefits

The Invasive Network's documentation and reporting enhancements can streamline workflows which enables the physician more flexibility in documentation. Auto-capturing patient vital signs from GE CARESCAPE monitors reduces possible interruptions in a workflow[1].

Using the connection provided by the INW Server Software has the potential to reduce errors in documentation, such as duplicate entries[2,3]. The clinician can continue to create documentation after the patient has left their area, reducing unneeded steps in a workflow.

About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world.

GE works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

gehealthcare.com

1 - Documentation Infographic_JB66989US

2 - Gearing P, Olney CM, Davis K, Lozano D, Smith LB, Friedman B.(2006) "Enhancing patient safety through electronic medical record documentation of vital signs.J Healthc Inf Manag. 2006 20(4) pp. 40-5

3 - Wagner KA, Schaffner MJ, Foulois B, Kazley AS, Parker C, Walo H.(2010) Comparison of the quality and timeliness of vital signs data using three different data-entry devices. Comput Inform Nurs. 2010;28(4) pp 205–212

JB00012XE