



Strategic Priority: **SPI- Medical, Research, Academic Research**

Project Name

Enhancement of Echo Images and Results

Site

Riyadh

Department

Non-Invasive Cardiology Lab, Heart Centre

Project Status

Completed

Project Start Date

05-01-2018

Project End Date

10-31-2018

Problem: Why the project was needed?

The Adult Echo Section is seeking to improve the quality of imaging for those patients who have **suboptimal images**. The use of contrast agent can improve the quality of images but often technologists are reluctant to initiate the request for contrast because of time constraints. At the end of Q1 2018 contrast (Optison) was used for only 28 or 10% of 271 studies that had "suboptimal images". If contrast agent had been used the improved imaging would have led to improved reporting and may have reduced the need for further more costlier procedures.

Aims: What will the project achieve?

To increase the use of contrast echocardiography for patients with "suboptimal images" from 10% at the end of Q1 2018 to at least 25% by the end of October 2018.

Benefits/Impact: What is the improvement outcome?

(check all that apply)

- Contained or reduced costs
- Improved productivity
- Improved work process
- Improved cycle time
- Increased customer satisfaction
- Other (please explain)
Click or tap here to enter text.

Quality Domain: Which of the domains of healthcare quality does this project support?

(Select only one)

Efficient

Measures: Performance metrics to be evaluated	Targets: Expected outcomes
% Contrast used	≥25%

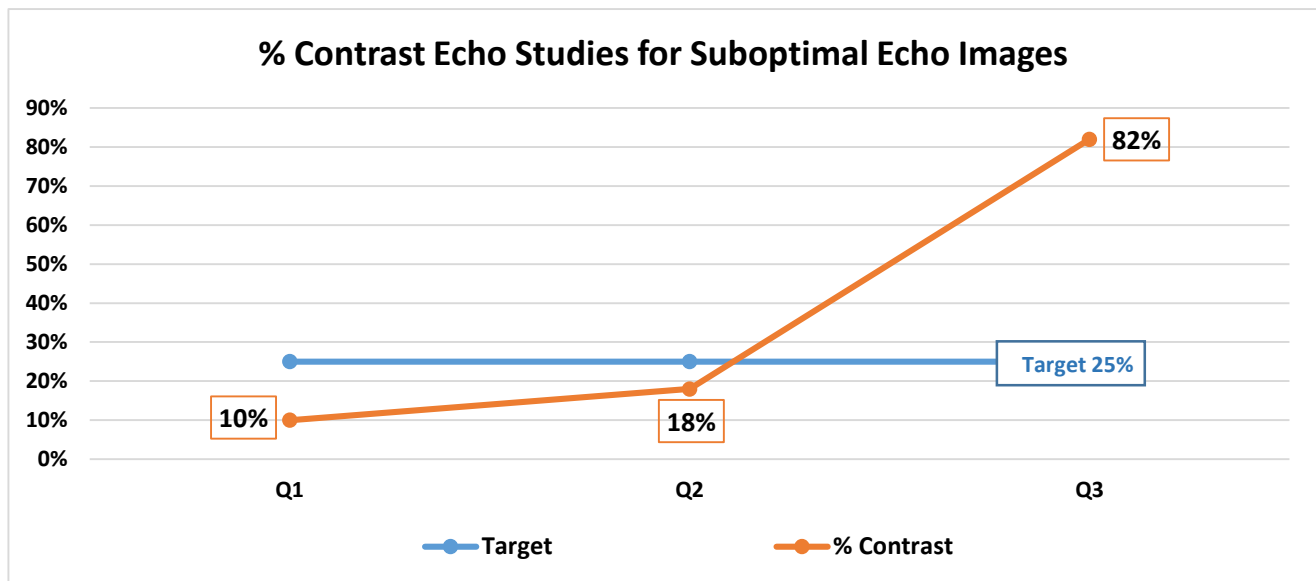
Interventions: Overview of key steps/work completed

- Educate the staff regarding the addition of the comment "sub-optimal images" to the drop down menu in Xcelera.
- Constantly remind the staff to use the contrast agent.
- Implement a process for delivery of contrast to Adult Echo, KACOLD

Results: Insert relevant graphs and charts to illustrate improvement pre and post project

(insert relevant graphs, data, charts, etc.)

- The results shown in the graph indicates that there has been a significant increase in the use of contrast agent for patients with suboptimal images and in Q3 the target was exceeded.



Project Lead

Name

(person accountable for project)

Deborah Ruediger

Team Members

Names

(persons involved in project)

Beselda Mallari

Abdelsalam AlShweir

Adult Echo Section Staff

Nursing Section Staff