

# MEDICAL SOLUTIONS

## Rimage Catalyst Improves Efficiency at Prince Sultan Cardiac Center in Qassim

### Customer

Prince Sultan Cardiac Center in Qassim, Buraida, Al-Qassim, Saudi Arabia

### Challenge

- Meet disc publishing needs for increasing number of patients
- Improve staff productivity
- Improve quality of disc labels

### Solution

- Two Catalyst Disc Publishing Systems

*With over an elevenfold increase in cardiac surgeries, PSCCQ needed to streamline their workflow without compromising the quality of care that they delivered. Rimage is part of their solution.*

Prince Sultan Cardiac Center in Qassim (PSCCQ) is a medical facility providing specialized cardiac care for adult and pediatric patients. Services include invasive and noninvasive treatment, diagnosis and intervention, surgery, and inpatient and outpatient rehabilitation. With 50 beds, PSCCQ is located on the premises of King Fahad Specialist Hospital in Buraida. The Center serves the majority of the cardiac care needs for the Al-Qassim Region of Saudi Arabia – an area of over 22,000 square miles (58,000 square kilometers), and with a population of over 1.3 million people.



مركز الأمير سلطان لطب وجراحة القلب بالقصيم  
Prince Sultan Cardiac Center-Qassim

### The Challenge

Prince Sultan Cardiac Center in Qassim is a facility that has undergone tremendous growth. Over the past decade, noninvasive procedures have increased by 426%, cardiac catheter lab procedures have increased by 297%, and cardiac surgery procedures have increased by a staggering 1,133%. In light of such growth, efficiency has become an increasing priority within the Center.

PSCCQ typically burns patient studies and other content onto 50-70 discs per day. Prior to purchasing the Rimage systems, hospital staff would simply write the patient's name on each disc by hand and physically insert the disc into their workstation drive to manually burn it. Aside from this process being highly inefficient, the handwritten appearance of the discs did not match the quality and professionalism of the Center.



## The Solution

PSCCQ sought to improve the efficiency and professionalism of its disc publishing workflow, with key factors being equipment reliability and the ability to automate the disc publishing process. Impressed by Rimage's reputation in the medical field, Prince Sultan Cardiac Center in Qassim purchased two Rimage Catalyst 6000N units from a partner of Lebanon-based archiving technology distributor Harb-TEK Systems. The Catalysts' high disc capacity ensured that the Center would be able to accommodate continued growth. The solid construction of the units and the quality of their internal robotics ensured that the Catalysts could last through years of daily use. And together with a DICOM router capable of connecting multiple locations, the Catalyst units could transform disc burning from a tedious manual task to a smooth, automated process.

## The Results

The Rimage Catalyst systems and DICOM software were integrated to create a new, automated disc publishing process within Prince Sultan Cardiac Center in Qassim. With this streamlined workflow, the time required to get cardiac care patient studies onto quality discs has been shortened, enabling PSCCQ staff to have more time to focus on the needs of their patients. Staff now automatically burn discs with the relevant patient data and label information, resulting in quality, professional looking discs that can be handed to the patient upon checkout. The new workflow centered around the Rimage Catalyst units ensures that Prince Sultan Cardiac Center in Qassim can continue to grow at the rate that they have for the past decade, and they can incorporate simple, easy modular expansion whenever that may be needed, with no significant change in workflow required.



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