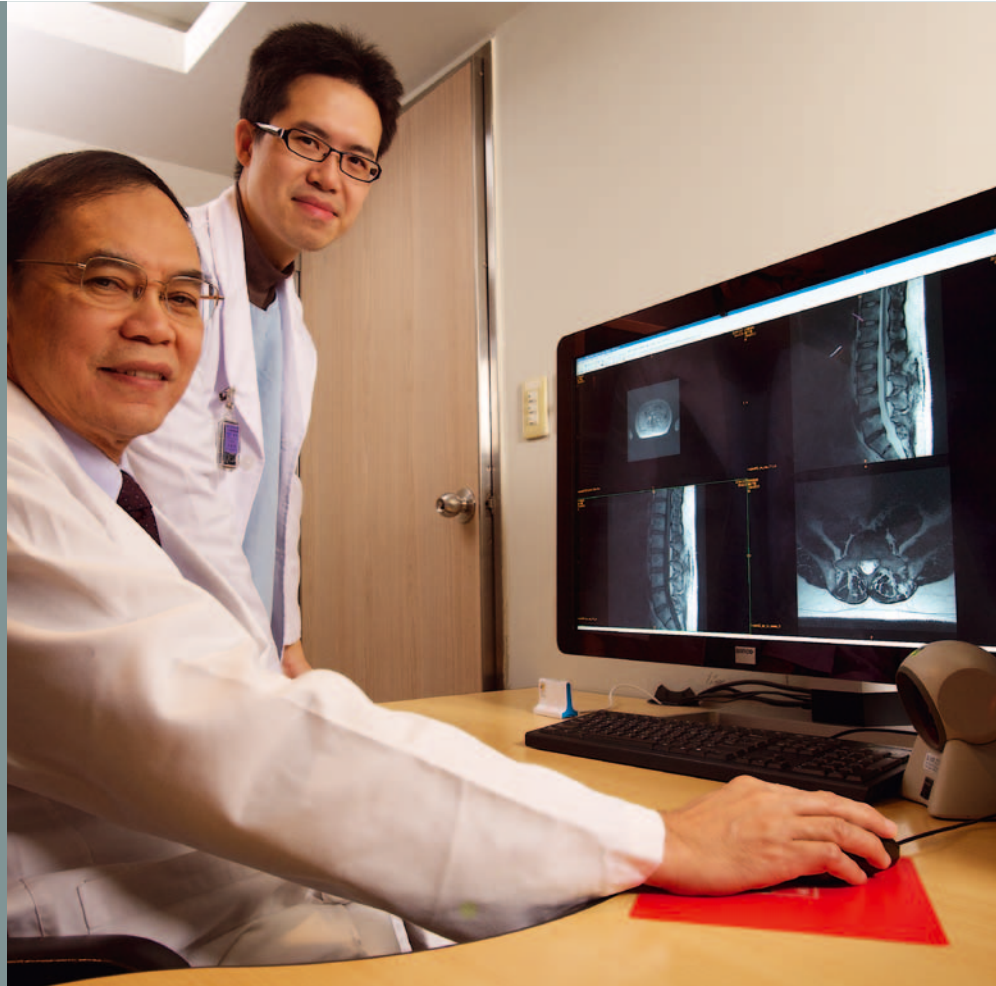


# Shin Kong Hospital, Taiwan

Exceptional Barco display quality convinces Shin Kong Hospital

“The imaging quality, brightness and contrast ratio are excellent for multi-modality viewing, allowing us to read chest x-rays and images from CT and MR.”

*Dr. Liang-Kuang Chen, Chief Diagnostic Radiology & Cardiovascular Imaging Department  
Shin Kong Wu Ho-Su Memorial Hospital, Taiwan*



Diagnosis of medical images requires high image quality, high brightness and a high contrast ratio. Today, it is possible to diagnose certain disorders in an early stage. Shin Kong Wu Ho-Su Memorial Hospital (Shin Kong Hospital for short), one of Taiwan's biggest private medical facilities, recently experienced what a good PACS display system can do.

When a trial involving the Barco Coronis Fusion 6MP DL revealed details the other displays did not, the team at Shin Kong unanimously chose Barco. Today, Shin Kong's radiology department uses Coronis Fusion 6MP DLs, Coronis 5MP, Nio Fusion 4MPs and MDRC-2120s – much to everyone's satisfaction.

**BARCO**

Visibly yours

#### Customer:

Shin Kong Wu Ho-Su Memorial Hospital,  
Taiwan

#### Challenges and objectives:

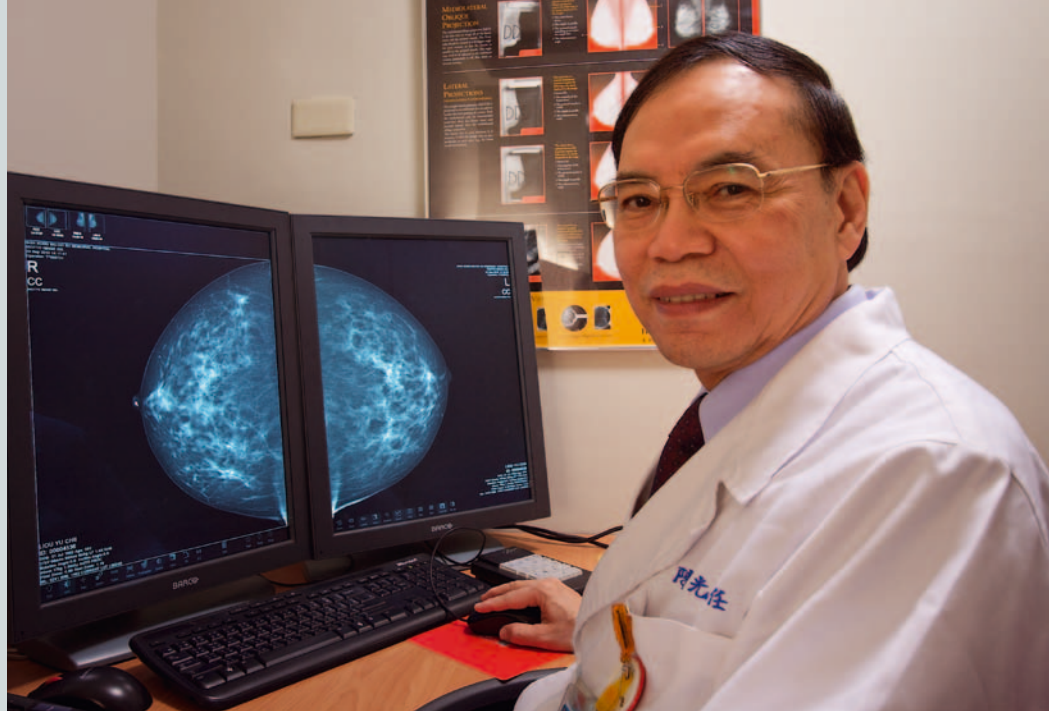
- Deliver crystal-clear diagnostic images around the facility
- Replace the older medical displays with the latest technology
- Allow faster diagnosis on a more flexible reading platform

#### Barco solution and services:

- Coronis Fusion 6MP DL
- Coronis 5MP
- Nio Fusion 4MP
- MDRC-2120

#### Why Barco

- Image quality, brightness and contrast
- Durability
- After-sales service



The Taiwanese Shin Kong Hospital took the step towards a Picture Archiving and Communication System (PACS) in 2004. The PACS display system that was installed at the hospital's Diagnostic Radiology Department featured Barco Coronis 5MP displays, alongside a number of non-Barco medical and commercial monitors. In 2009, it was time to modernize the PACS visualization system. After 6 years of service, the Barco displays had convinced the hospital staff that they were the best choice for the job.

The difference was striking: while all non-Barco medical and commercial monitors showed severe aging effects, the Barco Coronis displays kept delivering the required quality. Consequently, Dr. Liang-Kuang Chen, Chief Diagnostic Radiology & Cardiovascular imaging, first looked into Barco's portfolio for the necessary upgrade. Barco proposed a solution centered around the Coronis Fusion 6MP DL and invited the radiology department to trial the display.

#### High detail enables correct diagnosis

The true power of the Coronis Fusion 6MP DL became clear sooner than expected. When an important member of the hospital's management team suffered an acute flank pain, suggesting a kidney stone, the stone was not visible on the

display used at the time. So Dr. Liang-Kuang Chen suggested using Barco's Coronis Fusion 6MP DL display on trial. The kidney stone appeared immediately, which greatly impressed the radiology department – and, of course, the patient himself. The news reached the rest of the hospital's Management quickly and they unanimously chose Barco.

#### Multi-modality imaging

At the heart of the new PACS display system is the Coronis Fusion 6MP DL. This 30-inch LCD color display was engineered specifically to further enhance flexibility and productivity in diagnostic imaging. It can be used either as one wide-screen 6 MP display or as two seamless 3 MP heads, enabling multi-modality imaging on a single screen. This means, users can always select their optimal way of working. A number of innovative technical features, including I-Guard automatic calibration technology, guarantee an optimal image quality at any time. In order to foster teamwork, the display also provides an exceptionally wide viewing cone of 120° – while many other technologies are limited to 70°. "I am very impressed by the Coronis Fusion 6MP DL," said Dr. Liang-Kuang Chen. "The imaging quality, brightness and contrast ratio are excellent for multi-modality imaging, allowing us to read chest x-rays and images from CT and MR more clearly. Furthermore, it is very convenient for us to view grayscale and color images on a single screen."

#### Wide portfolio of displays

Besides the flagship product Coronis Fusion 6MPs, Shin Kong Hospital selected a number of Coronis 5MP (21 inch) displays, Nio Fusion 4MP (30 inch) color displays and MDRC-2120 (20-inch) clinical review displays for hospital-wide viewing of diagnostic images and PACS referral. The portfolio of four different models gives the radiology professionals the flexibility to use the display most suited for the job, from day-to-day use thru' to highly specialized and difficult cases. The visualization solution was delivered to Shin Kong Hospital in the first quarter of 2010.

#### About Shin Kong Hospital, Taiwan

*Shin Kong Wu Ho-Su Memorial Hospital (commonly known as Shin Kong Hospital) is a private infirmary in Taiwan, established in 1986. With a staff of over 2,000 people and a total capacity of 921 beds, this is one of Taiwan's biggest private hospitals. The facility consists of 36 departments – including internal medicine, surgery, medical imaging, obstetrics and gynecology. The radiology department is equipped with state-of-the-art technology, including the latest multi-image CT scanner, MRI systems and digital mammography. This first-class equipment provides the high quality images specialists need to deliver correct diagnoses and detect various conditions at an early stage. Furthermore, the availability of many digital X-ray machines in the hospital provides clinicians with the necessary diagnostic information via the PACS imaging transmission system.*