

# First-class facility



## *A \$30 million redevelopment at The Valley Private Hospital paves the way for more innovation*

Since The Valley Private Hospital opened nearly 30 years ago in Melbourne's south-eastern corridor, it has pioneered some landmark Australian 'firsts' including being the first private hospital in Australia to open an emergency department.

Now servicing a growing catchment area of more than 1.5 million, the hospital's owners Healthe Care group recently completed a \$30 million redevelopment to significantly upgrade The Valley's facilities and expand its

specialties to deliver a wider range of acute services.

The Valley Private now offers cardiac surgery, neurosurgery, brachytherapy and more advanced surgical services.

And while the hospital now has 170 beds, seven theatres, two catheterisation labs and a new state-of-the-art 10-bed intensive care unit, CEO of The Valley and South Eastern Private Hospitals Neil Henderson said, "we needed to not only upgrade our facilities but also to invest in new technologies which we will continue to do into the future."

The world-first technology now available at The Valley Private is revolutionising cardiac surgery, laparoscopic procedures and orthopaedic surgery.

Mr Henderson said that while the investment in technology will significantly improve surgical acuity and process, the biggest winners were patients in terms of improved diagnostics, reduced surgical risk, improved recovery time and better care.

### World's first integrated hybrid operating theatre

Cardiologists and surgeons have welcomed The Valley Private's new \$4 million hybrid operating theatre which features the world's first integrated Siemens Artis Zeego® angiography system and Maquet Magnus Operating Theatre table system solution.

The integrated solution provides surgeons with the greatest possible freedom of movement and gives them and cardiologists unprecedented flexibility and speed to go from an investigative procedure to full open-heart surgery, without moving the patient.

As the integrated imaging arm of the Siemens robot can be positioned anywhere around the Magnus operating table and the patient, surgeons can view vessels, bones and organs precisely from any angle. For the first time ever, technology enables clinicians to diagnose, treat and assess post operatively, without needing to transfer the patient.

### First Australian trials of 3D laparoscopic camera system

Surgeons at The Valley were also the first in Australia to trial a 3D laparoscopic camera system that improves a surgeon's exact perception of depth, which is essential for hand-eye coordination.

The 3D laparoscopic camera system, along with a 10- and 30-degree 3D video camera system has since been installed at The Valley and used in various laparoscopic procedures in general, gynaecological, urological and thoracic surgery.

As the new equipment delivers the first true 3D imaging available anywhere in Australia, it has reduced operating time and risk to patients.

General Surgeon Raymond McHenry from The Valley said he believed the 3D equipment would become "standard practice because of its simple learning curve and ease of use."



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### EOS

Orthopaedic surgeons and their patients at The Valley are reaping the benefits of EOS imaging being only one of two centres in the country that has the low dose weight bearing x-ray machines.

According to one of The Valley's Orthopaedic Surgeons, Dr Michael McKnight, EOS imaging is "the future of orthopaedic X-ray."

"True weight-bearing alignment of the entire skeleton can be achieved with accuracy and clarity that has never been available before," he said.

EOS imaging provides quick and highly accurate 2D and 3D X-rays. The ultra low radiation imager scans an entire body quickly while a patient is sitting or standing upright. The digital 3D images produced can assist in assessing common medical conditions such as curvature of the spine (scoliosis), other spinal conditions including back pain, and knee and hip problems.

### New ICU monitoring and transfer system

The Valley's new M-shift system in its new 10-bed intensive care unit has simplified the process to transfer patients out of the

ICU by providing clinicians with remote access to new CARESCAPE Mobile Viewers installed in the unit.

Director of ICU Dr Orlando Monteiro said, "the treating physician can review this vital clinical intelligence via their mobile phone or iPad anywhere in the world."

"The Valley Private Hospital Intensivists can keep a watchful eye on their patients and are ready to consult with resident ICU Fellows on appropriate action at a moment's notice," he added.

With Melbourne's south-eastern region forecast to grow exponentially in coming years, master planning behind the redevelopment has ensured The Valley Private can accommodate the increasing demands of the local community, country patients, veterans and the overseas patients it currently services.

Mr Henderson said the redevelopment was an important investment in the local community as the combined new facilities, expanded services and technology were designed to provide "ongoing world-leading health care, resourcing and optimum outcomes to the fast growing area." 