

The Philips logo is displayed in a white rounded rectangle on a dark blue background.

IGT Newsletter

A medical professional wearing a blue surgical cap and mask is operating a workstation with multiple monitors displaying medical imaging data. The workstation includes a control panel with various buttons and a touchpad.

Take your equipment into the future

Summer edition 2016/2017

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1. Volcano – our latest innovative offering

What does this mean for you?

2. ClarityIQ

Learn how St Vincent's Private Hospital is reducing radiation dose by 75% while maintaining image quality with Clarity IQ

3. VesselNavigator

Discover how GCUH is improving procedure times and reducing contrast volume during complex exams

4. IGT User Group Meetings

Join us, share your skills and learn from your peers

Philips Volcano – our latest innovative offering

In late 2015, Philips acquired Volcano Corporation. Volcano's broad portfolio of intravascular imaging and functional measurement devices and Philips leading interventional imaging solutions means that you can now access a seamless integrated solution for image guided treatments in coronary and peripheral angiography procedures.

The Mater Hospital story

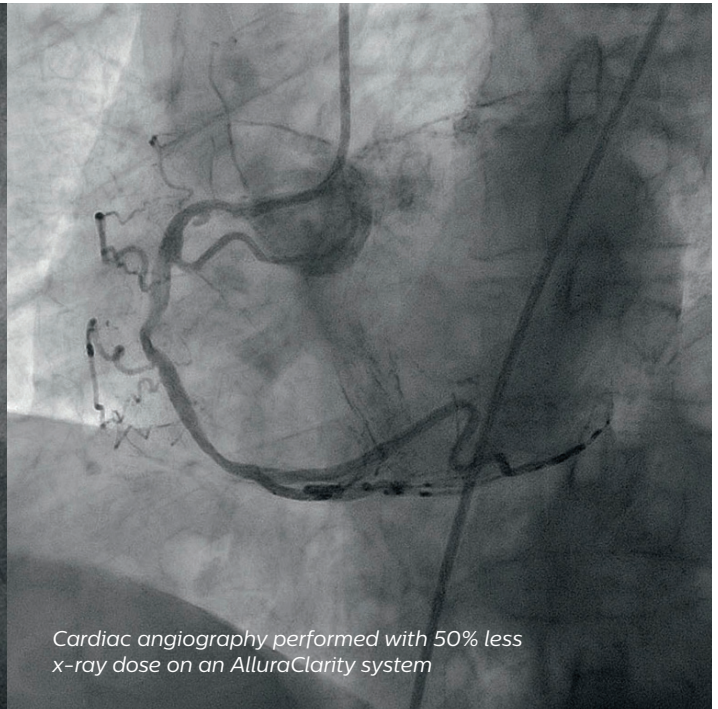
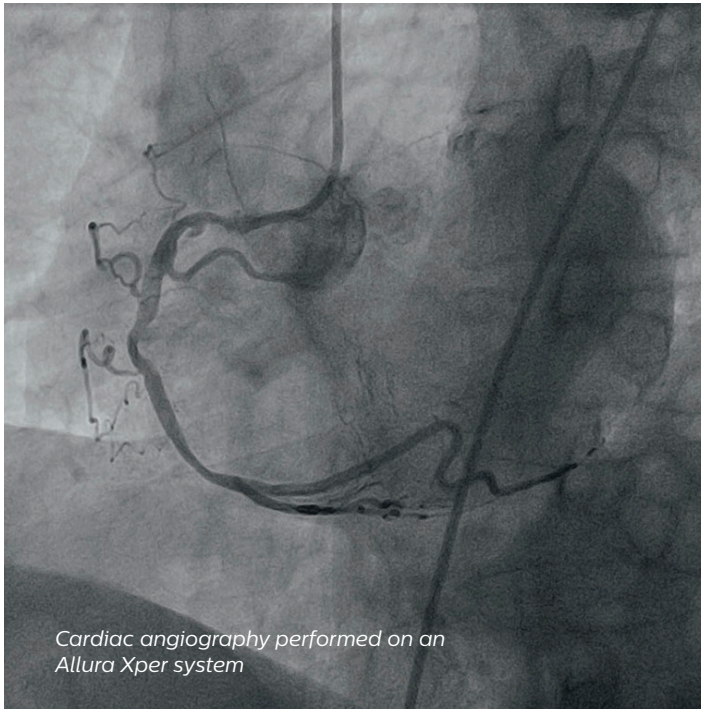
Mater Hospital Townsville was the first hospital in Australia to have the Philips Volcano SyncVision system, which improves workflow capabilities in the lab via IVUS co-registration and other advanced imaging functions. This meant their clinicians, staff and patients can utilise the latest in innovative solutions in order to minimise dose and streamline workflow leading to better patient outcomes.

To learn more about Philips Volcano, please visit our website www.philips.com.au/healthcare or contact your local Philips representative.



What's new with ClarityIQ?

Read what St. Vincent's has to say



X-ray dose is a principal concern when working with interventional X-ray systems. Typically, a reduction in dose is associated with a decrease in image quality. However, with Philips ClarityIQ you can dramatically reduce the dose, whilst still achieving equivalent image quality.

St Vincent's Private Hospital in Darlinghurst, Sydney is the most recent Australian institution to take advantage of ClarityIQ.

The upgrade project

Last year, the Cardiac Cath Lab department worked with Philips to improve the performance and lengthen the life of their two ageing AlluraXper FD20 systems.

Thanks to Philips ClarityIQ and 58" FlexVision Monitors, both FD20s were upgraded and running like a brand new system.

The uptake of the new technology and upgraded systems was fast and simple. In addition, the cardiologists are now only using approximately a quarter of the radiation dose they used before, whilst still achieving excellent diagnostic images.

For more information on Philips ClarityIQ, please visit our website www.philips.com.au/healthcare or contact your local Philips representative.

"The installation process was done on time and without issue. I was amazed not only at the skill of the team but also how "clean" they worked. I was sceptical about the amount of radiation required to achieve our desired results but ClarityIQ delivered. There are many products on the market with lots of "bells and whistles" but they're not user friendly. Our specialty software is easy to use and has significantly improved the quality of our studies. I am more than happy to show-off our new system."

— Penny Wood, Cath Lab NUM

"The upgrade was an excellent example of flawless organisation and technical expertise at its best. The end product is a system that delivers improved and versatile workflow, while delivering excellent image quality at a reduced radiation dose. Ongoing technical support and applications training ensures that the system is utilised to maximum benefit by all users and offers the best possible outcomes to patients."

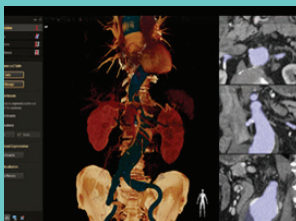
— Christina Bivard, Senior Radiographer

How can you make a difference with VesselNavigator?

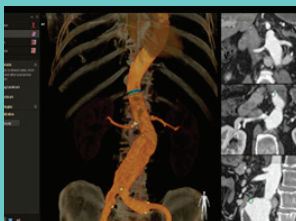
Discover how Gold Coast University Hospital did

Complex endovascular procedures can at times become challenging. VesselNavigator, Philips latest Live Image Guidance technology, provides physicians with an intuitive and continuous 3D roadmap to provide navigation through complex vasculature structures during the entire procedure. This reduces the need for a contrast enhanced run to create a conventional roadmap thereby reducing contrast and radiation dose to the patient.

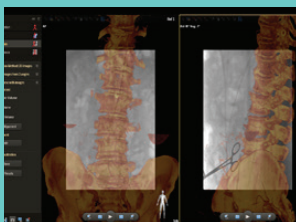
The technology creates a seamless clinical workflow and guides you through four simple steps:



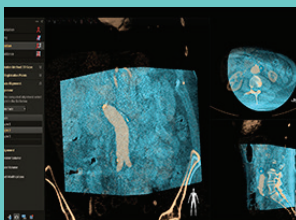
1: Select the vessels for overlay with a one-click vessel segmentation



2: Add ring markers for ostia and landing zone indication and define planning angles



3a. Fuse the CT or MR dataset with the 2D images by matching bony landmarks OR



3b. Fuse the CT or MR dataset with the 3D images by selecting three points in each data set



4: The fused image can now be used as Live Image Guidance during the procedure

Reducing dose and contrast administration

The Gold Coast University Hospital (GCUH) are among one of the first sites in Australia to use the new technology.

The Angiography Team at GCUH perform a number of procedures in their “back to back” Philips Allura FD20 Flexmove and Philips Allura FD20/10 Bi-planar Interventional Suites.

After their first couple of procedures using VesselNavigator they immediately saw huge potential. Already, it has helped them gain greater insight and confidence during EVAR procedures with reductions in both radiation and contrast dosage.

Interested in an on-site demonstration of VesselNavigator? Email us at iXR.apps@philips.com or contact your local Philips representative.

“The vessel navigation software has allowed us to tackle more complex anatomy that would have previously needed multiple angiographic runs with increased radiation exposure and contrast administration,”

– Dr Muddassir Rashid, Consultant Radiologist, Director of Interventional Radiology

“It’s a pleasure to use, it’s intuitive and it works!”

– Michael Vigar, Angiography Team Leader



User Group Meetings

Since August 2015, Philips has hosted a successful series of User Group Meetings (UGMs) around Australia and New Zealand. Some of the most talented and innovative radiographers across both countries have attended and shared their best practices and techniques within the wider community.

Our UGMs are complimentary and cover a variety of clinical topics. They are designed to facilitate clinical best practice sharing amongst our users as well as keep you up to date with the latest Philips technologies in this exciting and developing space.

Come along to our User Group Meetings in 2017

We're excited to once again be hosting a series of UGMs across ANZ in 2017. To find out more information and to register please visit our website www.philips.com.au/education.

18 March	Melbourne
20 May	Sydney
2 September	Brisbane
28 October	Auckland

We're looking for speakers! Interested in showcasing your department or hospital to your peers? Topics can range from cutting-edge procedures and radiation-dose studies to XperCT reconstruction protocols, injection rates for 3DRA/XperCT, and room layouts or ergonomics.

Get in touch with us if you'd like to be involved.

Email us at iXR.apps@philips.com



Sample presenter list

This year we held UGMs in Melbourne, Sydney & Brisbane. To give you an idea of what to expect at our meetings next year, here is an example of some of the topics and presenters:

- **Rob Miller – Launceston General Hospital:** *How we make our Hybrid Theatre work for cases from vascular to spinal work (including 3D/XperCT imaging) and operative cholangiograms.*
- **Suzanne Crown – Princess Alexandra Hospital:** *The trials and tribulations of setting up a TAVR/TAVI (Transfemoral Aortic Valve Replacement/Implantation) programme.*
- **Vascular Surgeons Peter Milne and Charles Milne – Cabrini Hospital:** *A LIVE Thoracic Endovascular Aortic Repair (TEVAR) procedure using the Allura FD20 with ClarityIQ.*
- **Sarah Muscat – St Vincent's Public Hospital, Sydney:** *Balloon Pulmonary Angiography*
- **Penny Stewart – Monash Medical Centre:** *ClarityIQ Dose Reduction*
- **Cassie Cooper – Monash Medical Centre:** *Signs of F.A.S.T? Get to Monash*
- **Nicole Brown – Gold Coast University Hospital:** *VesselNavigator at GCUH*
- **Luke Adeney – Gold Coast University Hospital:** *Pretty as a Pipeline – Metal Artefact Reduction*
- **Elise Jackson – Wollongong Hospital:** *Angiojet: The Future of Endovascular Surgery?*

Philips

65 Epping Road
North Ryde NSW 2113
Tel: 1800 251 400 (Australia)
Tel: 0800 251 400 (New Zealand)

www.philips.com.au/healthcare

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