

**PHILIPS**

DXR Newsletter

Digital x-ray paves the way for the lowest doses & highest image quality in history

Winter edition 2017

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Discover how LCCH saw potential for dose reductions of between 30% - 50% with Philips SkyFlow

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Explore and reach the full potential of your imaging systems

Philips SkyFlow gives LCCH the image quality they need

Grid-less technology is one of the biggest radiography developments since Digital Radiography was introduced. The potential for dose reduction through minimising exposure and eliminating grid use is remarkable.

Philips SkyFlow is one of the most advanced examples of today's grid-less technology. Our intelligent x-ray image processing software combines the ease of a gridless workflow with the contrast of a grid-like image, so you can achieve better image quality in a faster timeframe. This leaves you with more time to help more patients.

After experimenting with SkyFlow, Stephen Knight, Advanced Radiographer at Lady Cilento Children's Hospital (LCCH), witnessed some remarkable results.

Stephen's test

Using a five year old equivalent SPoRT Paediatric Training x-ray phantom and a Philips MobileDiagnost DR unit with 35 x 43cm Philips SkyPlate detector, Stephen compared the difference in image quality (IQ) when acquiring images using:

- Skyflow without a grid
- Grid 8:1 landscape 40lp/m (MW - lp/mm) with no SkyFlow

Stephen's results

Stephen's paediatric phantom testing found that:

- SkyFlow has potential for DAP/ESD reductions of between 30% - 50% at slightly lower kVp
- There was potential for further image processing enhancements to improve IQ
- Not using a grid can also improve:
 - Workflow time
 - OH&S (approximately 30% less weight and bulk when not using grid)
 - Infection control (one less item to handle)
 - Patient comfort
- The number of repeat x-ray examinations was significantly reduced due to grid cut-off through cross-angulation, incorrect grid orientation or incorrect SID.

Here's a [link](#) to the full story. Reach out to your Account Manager today for more details and find out how SkyFlow can help you reduce DAP/ESD and make imaging safer for you and your patients.

Philips CombiDiagnost R90 – our latest advancement in digital x-ray and fluoroscopy

Say goodbye to underutilised fluoroscopy rooms. Philips' CombiDiagnost has combined the best in high-end digital radiography and remote controlled fluoroscopy into one machine. This gives radiologists the ability to achieve consistently superb image quality for moving and static x-ray examinations in a much more cost effective manner.

If you have limited space or need a multi-functional room, with the cutting edge CombiDiagnost technology you can:

- Save space and increase staff efficiency by converting your traditional fluoroscopy room into a high throughput 2-in-1 solution
- Make sure your patients receive, and your staff administer, the correct dosage every time using comprehensive dose management technology
- Improve workflow and enable your team to perform custom examinations more simply and quickly with the familiar Eleva user interface
- Ensure exceptional and customisable image quality for all anatomic regions using dynamic UNIQUE image processing
- Empower your team to perform angled projections faster with flexible geometry, a tilting table (+90° to -90°), tilting tube column and a 180cm SID



Ideal technology for pediatric patients

If your focus is paediatrics, low radiation without sacrificing image quality is a huge benefit to your youngest patients.

The CombiDiagnost R90 offers a number of dose-saving features, including:

- Dedicated paediatric fluoroscopy settings
- Grid controlled fluoroscopy
- Dose measurement

Discover how CombiDiagnost can transform your digital x-ray capabilities and contact your account manager.

Philips Tech Tips

DigitalDiagnost system shutdown:

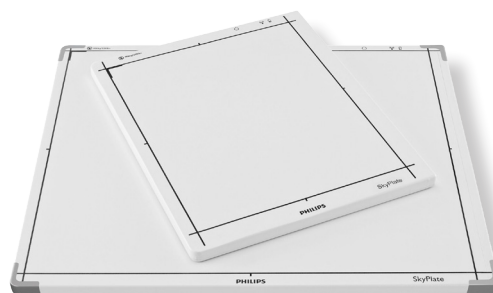
The ELEVA workspot Release 3 and above is designed for continuous operation, with a shutdown recommend once per week. To switch off your system, lock the tube into a known lock position (All lock light eliminated, except yellow height lock) Otherwise the ceiling suspension cannot recognize its position when you turn on the system. Press the off button on the ELEVA workspot for less than 1 second. If you keep the button pressed for more than 4 seconds, the system is aborted. This might harm the system. It can take several seconds for the system to shut down.

*Please note it is ok to shut down your system 1 x per day.

SkyPlate cleaning procedure:

The wireless detector is liquid splash resistant. The detector and the batteries can be cleaned and disinfected by wiping with a lint-free cloth dampened with a suitable detergent. Do not spray liquids directly onto the detector. The batteries can also be cleaned with 70% Ethanol. Make sure that no fluids come into contact with the battery connector. Only use the following cleansers or substances:

- Soap and water
- Aldehyde 3%
- Guanidine derivatives 6%
- Isopropanol 100% Sodium Chloride 0.9% (NaCl)
- Sodium Chloride 0.9% (NaCl)



Philips DigitalDiagnost 4.1 empowers Benson Radiology to supercharge their day-to-day imaging

Benson Radiology recently opened their 23rd clinic in North Terrace, Adelaide's growing health hub. They have long relied on Philips for a number of their diagnostic x-ray needs and the new City West clinic is no exception.

The DigitalDiagnost 4.1 High Performance system with a Large SkyPlate, is Benson Radiology's latest investment for the new clinic and the team couldn't be more satisfied with its performance. In fact, radiographer Hannah Clark, was particularly impressed by the system's bespoke capabilities;

"We're so pleased that the DigitalDiagnost has been so highly customisable to suit our preferences. Plus, along with the Eleva workspot we are now able to create images with superb quality whilst keeping workflow at top performance. Ultimately, this allows exceptional patient-centred care to remain our primary daily focus".

Your clinic can experience a premium DR solution like the DigitalDiagnost 4.1 too. The system is extremely easy to use so that your team spends less time learning new interfaces and more time focusing on their patients. Plus, the DigitalDiagnost's unique algorithms make it possible to customise image quality specific to the requirements of your clinic.

Learn more about how Philips can support your radiography requirements and patient care goals and contact your local Philips Account Manager today



Philips Remote Services

What if together, we could decrease unplanned equipment downtime, help reduce costs and allow for continuous and patient care?

There are 3 key reasons why Remote Service Support is a smart investment for your practice:

1. Faster case resolution

Depending on the system, Remote Service Engineers (RSE) are currently resolving on average 40% of cases that they receive. In the event your case requires an onsite visit, your RSE will brief a Field Service Engineer (FSE) as to the situation and order any parts required to arrive with the FSE and help speed up the resolution process.

2. Access to deep technical experience

RSEs are exposed to up to 15 calls per day across Australia and New Zealand in their dedicated area of expertise. This experience provides our RSEs with deep knowledge of our systems and ability to recognise trends locally and globally.

3. Proactive monitoring

Ensures planned activities instead of reactive for maximum system availability. Trust us to identify errors, diagnose, trouble shoot, and potentially resolve issues remotely. Take advantage of our proactive monitoring to stop issues before they start.

What does Remote Service cover?

Remote Service capabilities vary between platforms and software revisions, however here are a few examples of maintenance activities that can be carried out remotely:

- Connecting and reconnecting detectors
- Updating RIS and PACs nodes
- Updating EPX clinical database
- Assisting customer calibrating detectors
- Downloading error logs for improving first visit fixes
- Downloading patient images for review

If you are interested to learn more about how you can reduce system downtime and access faster service, contact Philips Customer Service on 1800 251 400 (AU) 0800 251 400 (NZ) today.



ANZ education academy

In today's competitive and dynamic healthcare environment, it is critical to use your medical imaging systems to their fullest potential.

At Philips, we believe clinical education is the key to achieving this. Our comprehensive range of clinical education programs are designed to:

- Support clinical excellence
- Increase the use of advanced system features
- Enhance workflow and productivity
- Help you deliver an exceptional patient experience

Recently, we hosted a Trauma Imaging Seminar at the Queensland Museum in Brisbane. The event attracted over 100 attendees from around Australia and New Zealand. Some of the most popular and interesting discussions covered medical imaging in the defence forces, using Philips SkyPlate in the emergency department, X-ray beam geometry and much more.

"The seminar provided us with so much valuable information to take back and incorporate into our imaging departments. From pathology identification to advances in digital imaging technology, the seminar gave me knowledge that I have since been able to draw on and apply in my day to day role as a radiographer. I encourage all medical radiation professionals to seek out such seminars as they ultimately lead to better outcomes for our patients".

Greg Trypis, Clinical Educator



Enter the ISRRT Philips DoseWise Radiographer of the year contest

We're looking for the radiographer who has a unique and innovative approach to radiation dose management. **Is that you?**

To enter visit:
www.philips.com/radiographer-of-the-year

Upcoming DXR events

16 September	Paeds in Practice Seminar	Melbourne
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To find out more information and to register, please visit our website www.philips.com.au/education

Do you have an interesting case study, technique or research project you are working on and would like to share with your peers? We are on the lookout for speakers in 2017! If you would like to share your story, please email us at: XRayapps@philips.com

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