

**PHILIPS**

Computed tomography

**iDose<sup>4</sup>**  
Premium Package

Powered by **iPatient**

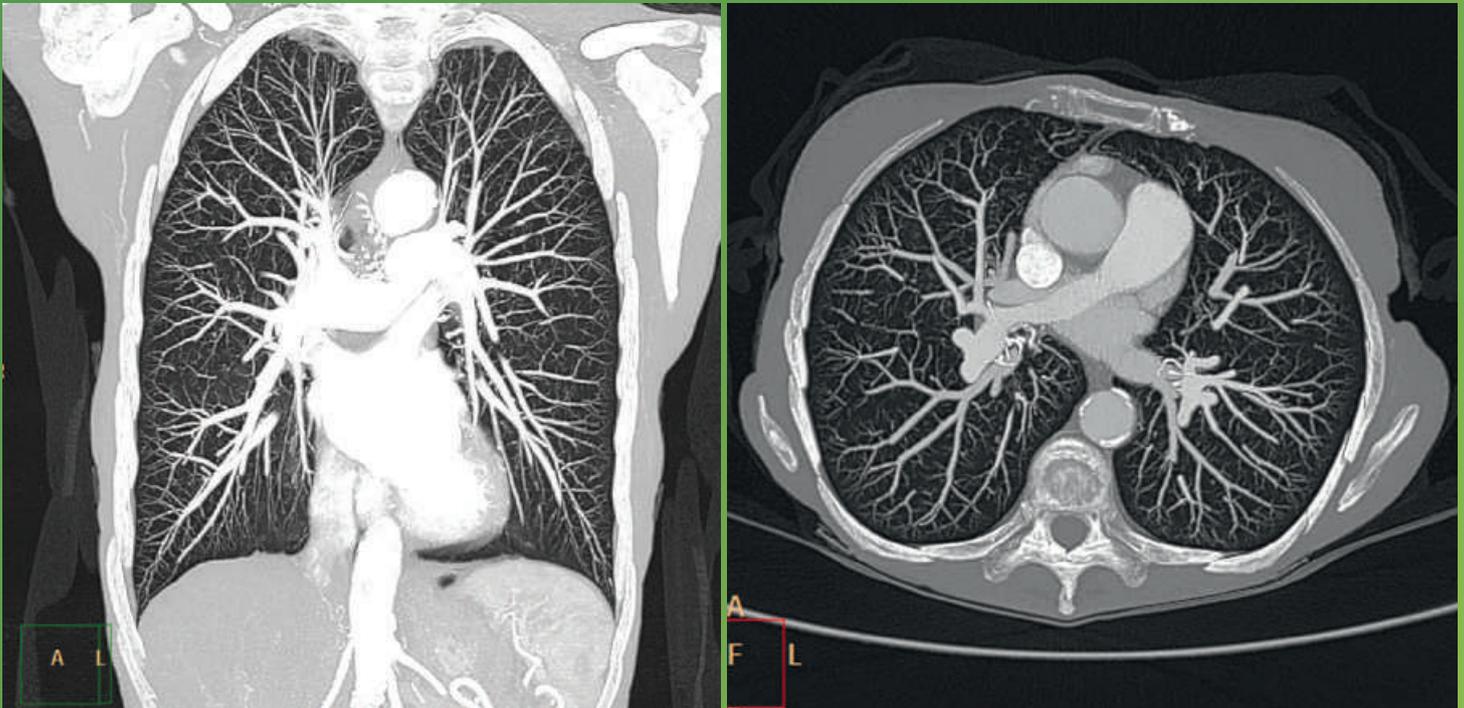
# Premium image quality

## One glance tells the story

iDose<sup>4</sup> Premium Package is an innovative solution that helps you personalize image quality based on your patients' needs at low dose. When used in combination with the advanced technologies of the iCT, Ingenuity, and Brilliance scanner families, this provides a unique approach to managing important factors in patient care – low energy, low dose, and low injected contrast imaging.

Designed to seamlessly integrate into your CT department, iDose<sup>4</sup> improves image quality\* through artifact prevention, noise reduction, and increased spatial resolution at low dose, with the look and feel of conventional images. O-MAR reduces artifacts caused by large orthopedic implants. Together they produce high image quality with reduced artifacts.

## High image quality with reduced artifacts



Scan parameters 80 kVp • 91 mAs • CTDI<sub>vol</sub>: 1.7 mGy • DLP: 66.5 mGy×cm • Effective dose: 0.9 mSv (k = 0.014\*\*)

iDose<sup>4</sup> Level 3 • Reconstruction time: 39 seconds

\*Improved image quality is defined by improvements in spatial resolution and/or noise reduction as measured in phantom studies.

\*\* AAPM Technical Report 96

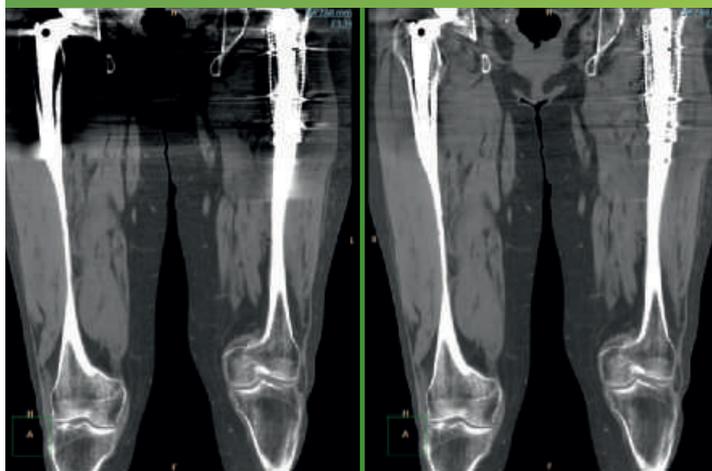


# Truly in control

Workflow powered by **iPatient**

If it's fast, it's Philips.

iDose<sup>4</sup> reconstruction is achieved in seconds rather than minutes. The majority of reference protocols are reconstructed in 60 seconds or less.



iDose<sup>4</sup> and O-MAR off

iDose<sup>4</sup> and O-MAR on



## Drive confidence and consistency

Philips iPatient is an advanced platform that puts you in control of enhancing your CT system today while getting you ready for the challenges of tomorrow.

## Personalize your control with iPatient

No two patients are identical, and truly focusing on the patient requires the ability to personalize your control. This means consistently achieving high image quality and managing dose appropriately every day. With iPatient you have new methods that facilitate patient-specific dose management and increased diagnostic confidence.

## iPatient key benefits:

- Plan the results, not the acquisition
- Patient-specific methods facilitate optimal\*\* management of image quality and radiation dose
- Up to 24%\* faster time-to-results
- Up to 66%\* fewer clicks
- SyncRight – facilitates delivering appropriate contrast dose with CT/injector integration
- Confidence and consistency 24/7

\* In a study done using multiphasic liver CT exams, the iPatient software platform reduced time-to-results by 24% and clicks per exam by 66%. Impact of workflow tools in reducing total exam and user interaction time – four-phase liver computed tomography exams. Nicholas Ardley, Southern Health; Kevin Buchan, Philips Healthcare; Ekta Dharaiya, Philips Healthcare.  
\*\* Optimal refers to the use of strategies and techniques that facilitate the management and control of both image quality and dose.

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**Philips SmartPath provides you easy access to solutions and innovations for the full life of your computed tomography system, so you can boost your clinical and operational potential and achieve your organizational goals.**



**Optimize** your system's performance both now and in the future with regular and ongoing updates, including functionality improvements and remote technical support.



**Enhance** your equipment with regular technology upgrades, and take advantage of the newest features and capabilities.



**Transform** your investment at the end of your system's life by transitioning seamlessly to a next-generation solution or refurbished option.

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The iDose<sup>4</sup> Premium Package, powered by iPatient, is available for the Brilliance CT 64-channel scanner and across the Ingenuity and iCT families (new and existing configurations).

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