

**PHILIPS**

Computed  
Tomography

Incisive CT

**PHILIPS**

Intellect  
at every step





# Incisive thinking from the start

At Philips we believe in working together to break down boundaries, remove complexity and deliver a seamless approach to healthcare. In imaging, that means seamlessly connecting data, technology and people. Our integrated imaging solutions for diagnosis and treatment are enabling more connected care and more confident clinical decision-making. Because today, health knows no bounds and neither should healthcare.

# Connecting data and technology to empower the people behind the image

Imaging is all about providing accurate information to guide better patient care. But in order to create more value for patients, the elements that form the imaging enterprise have to work together better.

We see imaging as an integrated system in which data and technology must connect intuitively and automatically

to empower the people who rely on them. By focusing on the specific needs of the people behind the image, we can address the most pressing needs of imaging today: to simplify data and insight gathering for clinicians; create a better experience for patients and staff; lower costs for administrators and health systems; and above all, achieve better treatment and outcomes for patients.

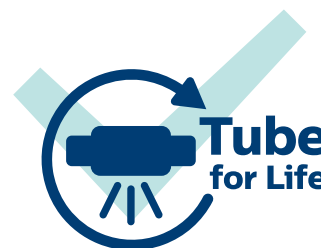
## A systems view

Creating a seamless care environment requires meeting the needs of the people behind the image – patients, technologists, radiologists and administrators – with meaningful solutions to address their biggest challenges.



## Industry firsts keep you ahead

Incisive CT features industry firsts such as the Tube for Life guarantee\* and Philips CT Smart Workflow with AI\*\* that's deeply embedded into tools you'll use every day for speed, consistency and diagnostic confidence.



## Smart decisions every step of the way

### Elevates your business

Reduce operational costs and meet financial objectives.

- Tube for Life guarantee\* to lower total cost of ownership
- Stay up-to-date with Technology Maximizer
- Expansive in-room upgradeability

### Delivers intelligence that adapts to you

Use AI to speed workflow and aid diagnostic confidence.

- Do more from the scanner with OnPlan patient-side gantry controls
- CT Smart Workflow improves the experience from the start of the scan through reconstruction and review, and includes
  - Precise Image
  - Precise Position
  - Precise Cardiac
  - Precise Intervention
- IntelliSpace Portal offers a rich portfolio of applications for advanced visualization

### Brings predictability to an unpredictable world

Reduce downtime and improve efficiency and care.

- Remote Services with proactive monitoring including vMRC Smart Card to keep you up and running
- Philips PerformanceBridge for continuous improvement solutions
- Philips DoseWise Portal provides a holistic approach to dose management

\* Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.

\*\* According to the definition of AI from the EU High-Level Expert Group.



# Elevate your business

## The costs that keep you up at night

Think about no longer having to worry about tube cost in your day-to-day operating budget, and also knowing that your CT system always has up-to-date technology and that you can upgrade your system as needed.

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.

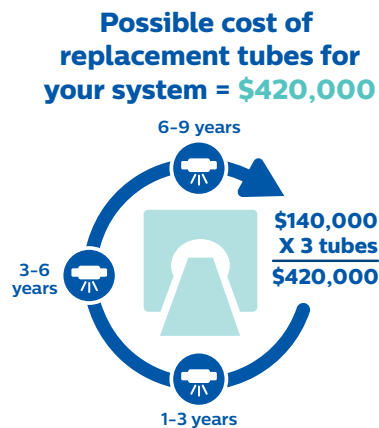
### Tube for Life guarantee\*

Unprecedented approaches to help lower operating costs by an estimated \$420,000.\*\*

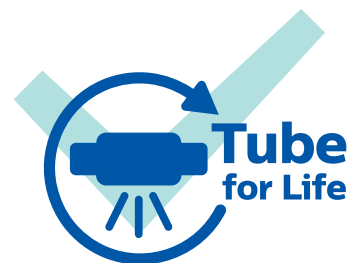
**We believe so strongly in the reliability of the vMRC tube that we'll replace it, if necessary, over the entire life of the system\* at no cost to you, helping you keep control of operational costs.**

### German excellence that stands the test of time

The vMRC tube is made and rigorously tested at the Philips Innovation and Manufacturing Center of Excellence in Hamburg, Germany.



**With Tube for Life replacement tube cost = \$0**



\*Life of the product is defined by Philips as 10 years. Tube for Life guarantee availability varies by country. Please contact your local Philips sales representative for details.

\*\*Actual operating costs for customers vary significantly because many variables exist (such as CT make and model, hospital/imaging center size, case mix, system usage). The potential savings identified estimates the avoidance of purchasing replacement tubes over a 10-year useful life of a CT system, based on an average selling price of \$140,000 per replacement tube and estimated tube life of 3 years. There can be no guarantee that all customers will achieve this result.

# Maximize your investment with Philips Technology Maximizer

Keeping technology up to date can be difficult. Let us help boost the clinical capability and operational performance over the life of your Incisive CT system with Philips Technology Maximizer.



## Benefits

### Predictable budget

Predictable costs that keep your system up to date

### Stay competitive

Automatically access innovation upon release instead of buying each new enhancement separately

### Non-obsolescence

Stay protected from obsolescence and be first to market with innovations

### Capex to Opex

Avoid repeated capital investments and approvals over the life of your system

## Stay competitive

Technology Maximizer is a software and hardware refresh program that keeps your CT equipment like new for up to five years after installation. Technology Maximizer for CT is an optional service offered in tandem with our RightFit Customer Support Agreement\*.

### Tailored financing solutions in line with your cash flow needs, budgets, and business strategy

Providing access to best-in-class healthcare is a leading priority for facilities like yours around the globe. At the same time, financial security and protecting your assets

over time are also high on the agenda. To manage your financial challenges, you need to know whether your healthcare investments are sustainable - and how to get the most from your equipment. Financing your Incisive CT Scanner helps you exchange variability and unpredictability for visibility and certainty. This helps you avoid the burden and risk of upfront expenditures and benefit from transparent, predictable cost structures. As a result, you can manage and plan budgets more efficiently and free up capital that would otherwise be tied up in fixed assets.

\*Technology Maximizer is available with eligible RightFit Service Agreements.

# Delivers intelligence that adapts to you

## How do you consistently maximize your CT capabilities?

What if a CT solution allowed for smart clinical decisions at every point, allowing you to do more from the patient's side with faster time to results and greater consistency among users?

We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.

**84%** of users agree that patient-side gantry controls have improved patient satisfaction<sup>1</sup>

### OnPlan patient-side gantry controls

Advanced and easy-to-use tools for positioning and protocol selection are designed so that the majority of tasks needed to set up and end the scan can be completed right at the patient's side. The technologist can stay close the patient, providing a calming influence and improving the patient experience.



Two OnPlan gantry touch panels allow you to do more at the patient's side.



Easily move the couch by touching the panel screen and swiping in the direction of desired movement.

**91%**

of users agree that Incisive CT enables more consistent results between users<sup>1</sup>



Reduce time-to-results by **19%\***



**48%**

of users agree that Incisive workflow allows for at least **7 more patients per day<sup>1</sup>**



\*Based on a study performed at Oz Radiology Group, Queensland, Australia. Results from case studies are not predictive of results in other cases. Results in other cases may vary.



Philips IntelliSpace Portal 12 is an advanced visualization platform that offers a single integrated image post-processing solution to help physicians perform quantitative analysis – especially in complex cases and follow-up.

## All of your advanced analysis needs in one comprehensive solution with IntelliSpace Portal 12



### **Intelligent**

First-time right clinical insights designed to support your diagnostic confidence



### **Automated**

Reduce time to report through optimized workflows and results automation



### **Connected**

Scalable AV platform seamlessly integrated within your enterprise



# Precision every day

This is how the day you've planned becomes the day that happens. CT Smart Workflow includes AI that's deeply embedded into the tools you use every day so that you can apply your expertise to the patient, not the process.

Remove common obstacles to CT performance, clearing the way for the precision in dose, speed and image quality that helps set you apart. CT Smart Workflow improves the experience from the start of the exam through reconstruction and review.

# Philips CT Smart Workflow

## Everyday AI





## Precise Image

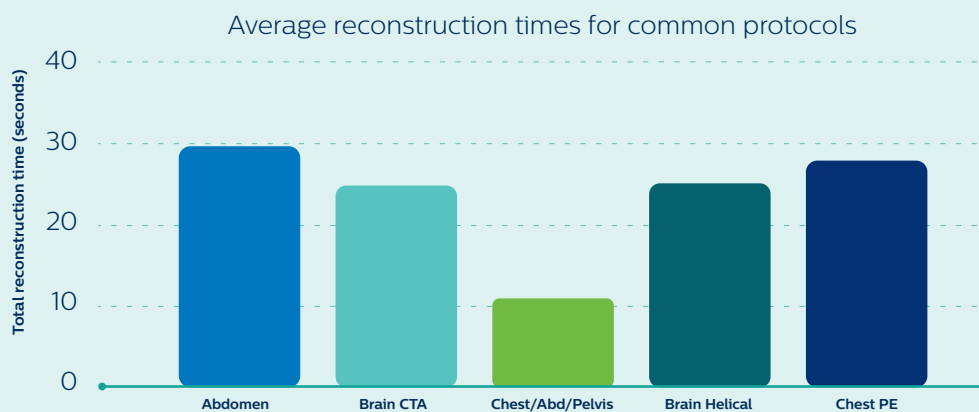
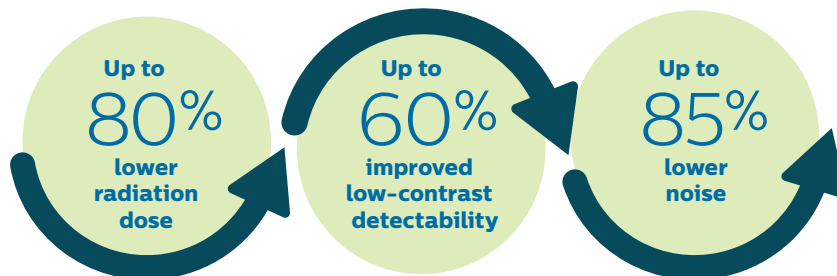
Precise Image puts the power of a deep learning neural network to work for you for improved confidence and reduced reading time.

## Speed, and so much more

Precise Image features the industry's fastest AI reconstruction, in addition to dramatic reductions in dose and image noise, and a significant increase in low-contrast detectability.

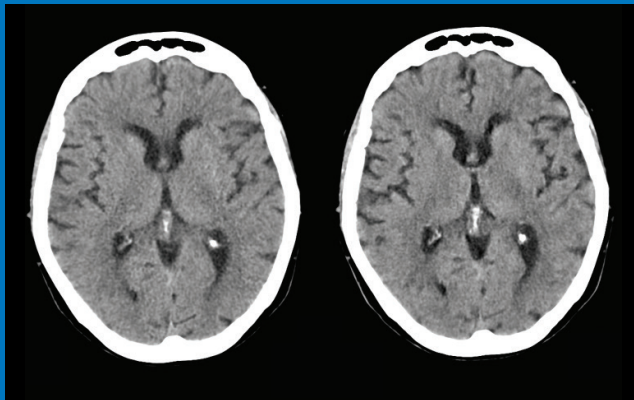


### Simultaneously\*



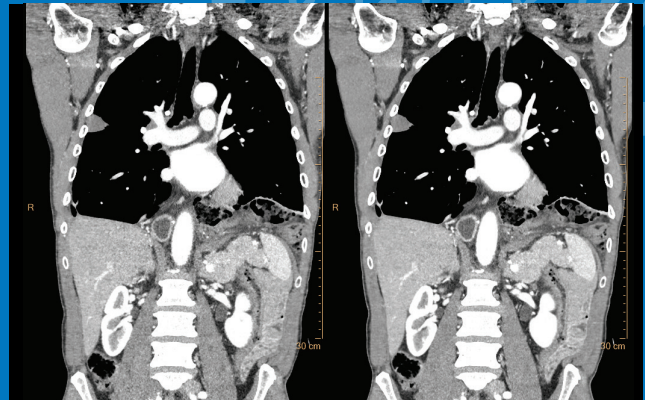
\*Lower image noise, improved low-contrast detectability, and/or dose reduction were tested using reference body protocols. All metrics were tested on phantoms. Low-contrast detectability tests were performed using 1.0 mm slices, and tested on the MITA CT IQ Phantom (CCT183, The Phantom Laboratory), using an auto tool "CHO" (Channelized Hotelling Observer). Data on file.

# Precise Image



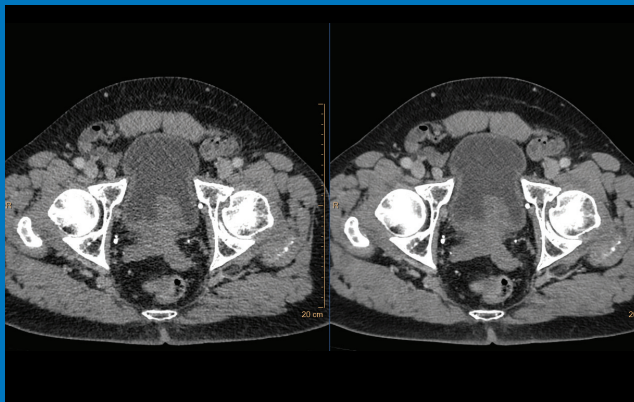
iDose<sup>4</sup> 1.4 mSv

Precise Image 0.7 mSv



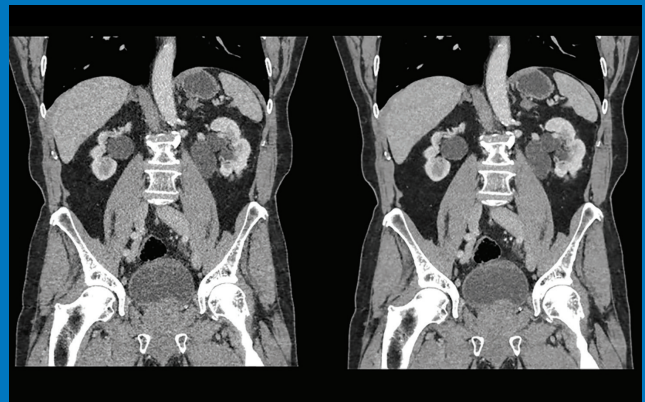
iDose<sup>4</sup> 8.5 mSv

Precise Image 4.3 mSv



iDose<sup>4</sup> 7.4 mSv

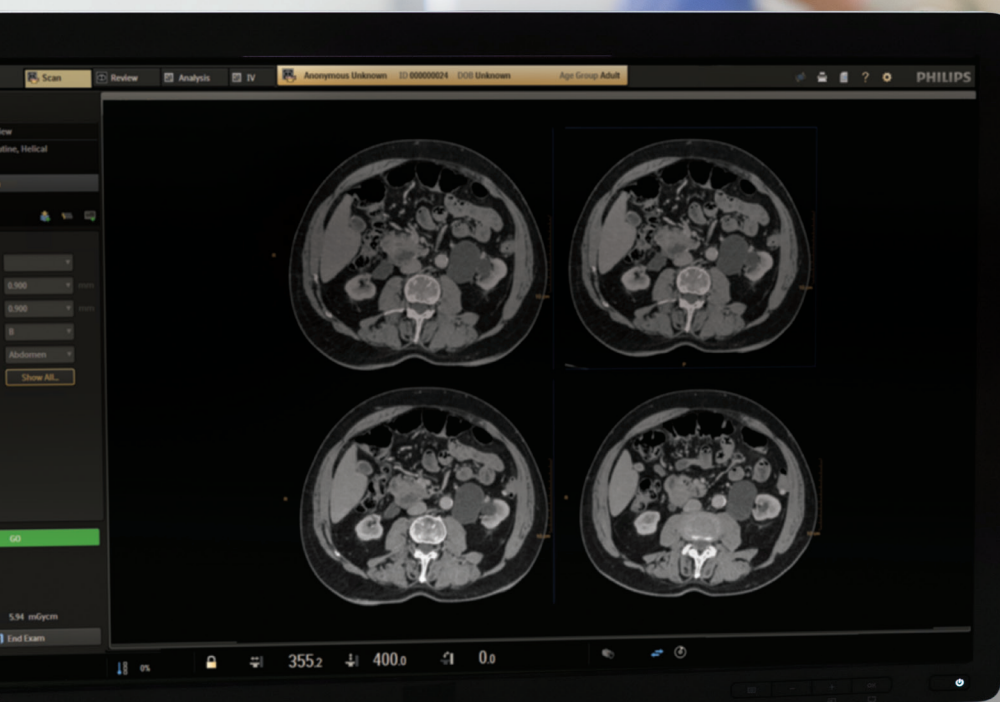
Precise Image 3.7 mSv



iDose<sup>4</sup> 5.1 mSv

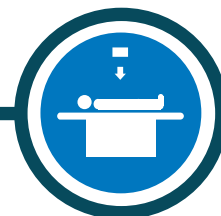
Precise Image 2.6 mSv

Precise Image improves diagnostic confidence to reduce reading time.



# Automatic patient positioning

Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased patient dose and image noise.<sup>2</sup>

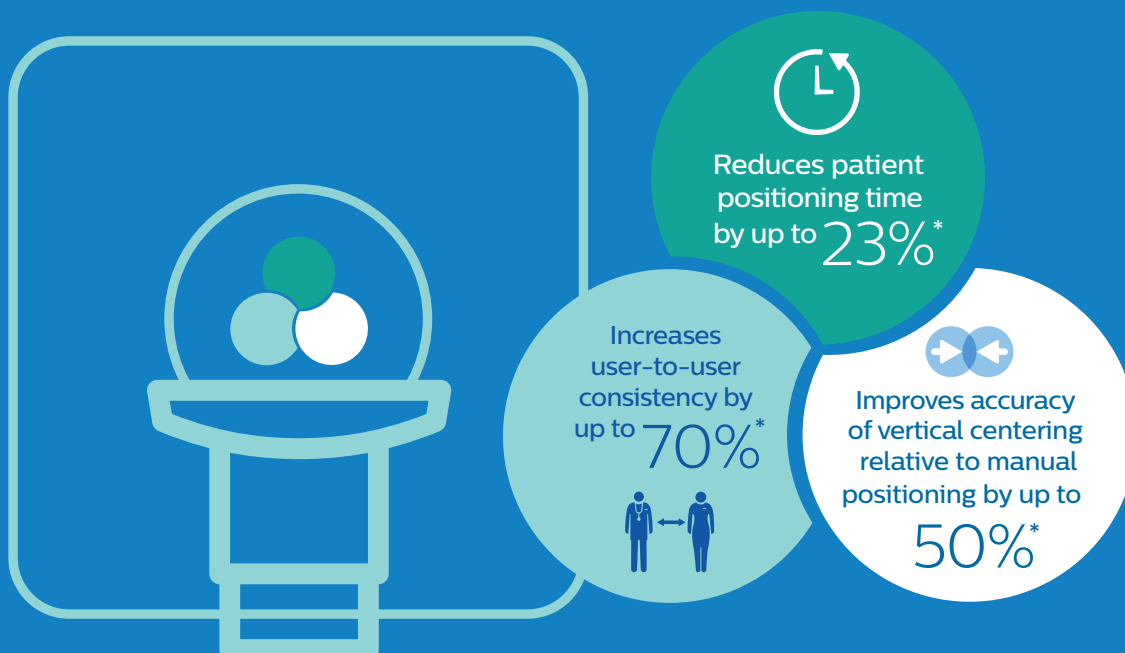


## Precise Position

An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time.

Camera-based workflow supports automatic positioning for a wide range of clinical scan types.

Precise Position allows for single-click positioning so that staff can focus on the patient.



\*Based on Philips in-house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.

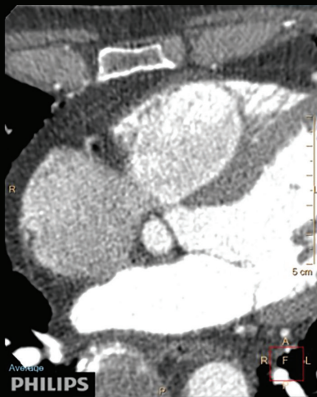
# Precise Cardiac



## Motion-free cardiac

Philips has always helped you overcome challenges in cardiac imaging with advances such as low-dose Step & Shoot Cardiac, with its beat-to-beat algorithm and multi-cycle adaptive reconstruction.

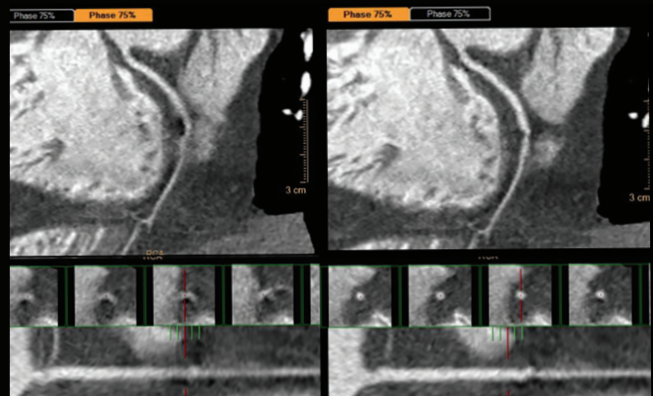
Now you can further enhance confidence in scanning patients with higher heart rates by adding Precise Cardiac. Used prospectively or retrospectively, Precise Cardiac corrects for motion in cardiac images to improve image quality at high heart rates.



Without Precise Cardiac



With Precise Cardiac

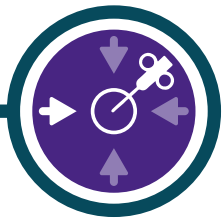


Without Precise Cardiac

With Precise Cardiac



# Automatic needle tracking



## Precise Intervention

With long procedure times, CT-guided procedures can present a challenge to the workflow of a radiology department, posing greater complexity than routine diagnostic imaging.

With Precise Intervention, needle guidance enhances workflow for confident interventional CT procedures. Automatically calculate depth, angle, tip-to-target and deviation from plan, enhancing the speed and efficiency necessary for quick and confident interventional procedures.

In addition to Precise Intervention, OnPlan gantry controls provide workflow flexibility to the interventional radiologist.



OnPlan allows the radiologist to perform the procedure using gantry controls in addition to the interventional toolkit.

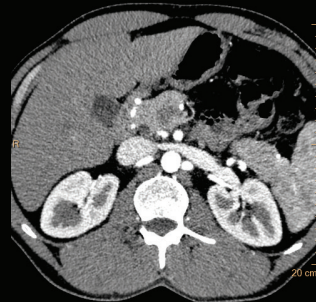


# Expand your clinical breadth

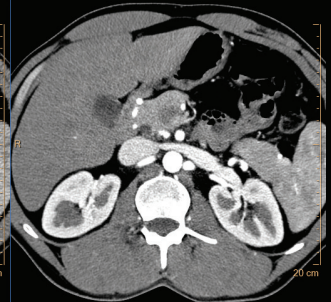


iDose<sup>4</sup> 1.7 mSv, 3 mm   iDose<sup>4</sup> 1.7 mSv, 1 mm

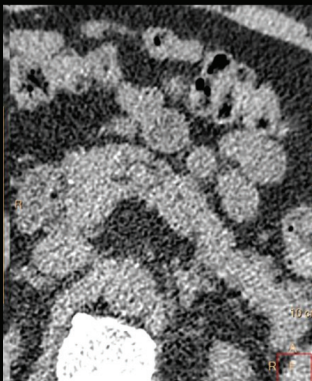
Precise Image  
0.8 mSv, 1 mm



iDose<sup>4</sup> 5.4 mSv



Precise Image 2.6 mSv



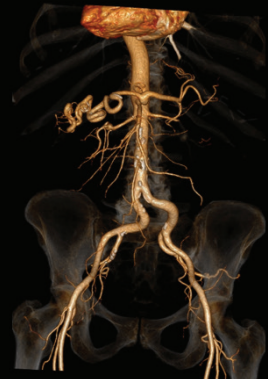
iDose<sup>4</sup> 6.6 mSv



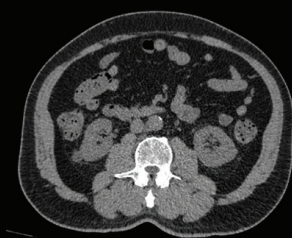
Precise Image 3.3 mSv



Precise Image



CTA volume rendering



iDose<sup>4</sup> 6.4 mSv



Precise Image 3.3 mSv

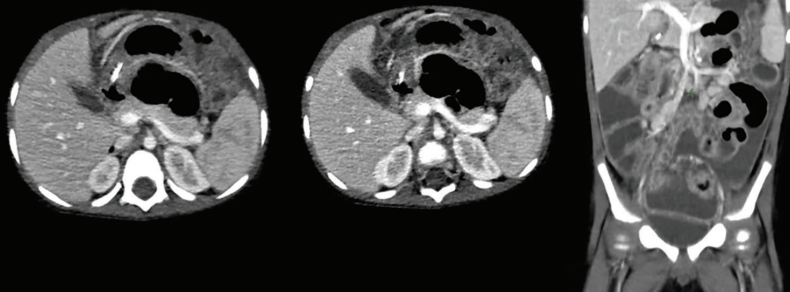


iDose<sup>4</sup> 1.5 mSv

Precise Image 0.75 mSv

# The right environment makes all the difference

Philips Ambient Experience provides a designed environment of care that's evidence-based and patient-centered to meet your operational and clinical goals.



Incisive CT accommodates patients of any size, from pediatric to bariatric.

## Confidence at low dose

The 70 kV scan mode allows for improved low-contrast detectability and confidence at low dose.



## A busy hospital is full of surprises

Financial challenges. Governmental mandates. Personnel shortages. Healthcare systems are facing challenges like never before.

In the radiology department, patient care depends on system uptime. Our global expertise and local service can alert you to any negative trends so that many challenges can be anticipated and solved before they affect day-to-day operations. Minimize unplanned downtime through sensors that continuously monitor internal and external operating parameters, helping you plan for maintenance.

Remote Services resolves **35% of issues** without the need for on-site service, improving system uptime and enabling a **first-time fix rate of 73%** when on-site service is needed.\*



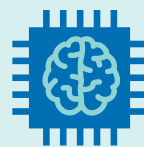
### Reassuring predictability

Complex systems operating in complex environments require remote services with proactive monitoring to allow many issues to be resolved remotely and a high first-time fix rate when an on-site visit is needed.



### Proactive monitoring is the first step

We're able to achieve a high first-time fix rate because we do all we can to prepare our service technicians with your system's performance data so that they have the right information, tools and parts before they walk through your door.



### vMRC Smart Card

This provides valuable data to aid remote 24/7 monitoring in keeping your system operating at its best.

\*Data collected across Philips portfolio scanners using Remote Services.

# Doing more for your operational goals

Incisive CT is designed to be easy to own, from installation that can be done in just a weekend for minimal impact to your department's efficiency, to analytics and other services that can help drive intelligent decision-making.

## **PerformanceBridge for continuous improvement**

Addressing your performance objectives and challenges is the cornerstone of PerformanceBridge, a flexible suite of continuous improvement solutions targeted to identify

your opportunities for greater efficiency and results. We do this through a combination of technology, analytics and professional services for the imaging department and across the enterprise.



PerformanceBridge is a real-time data platform to help improve productivity and reduce costs.

DoseWise Portal offers exposure analytics to support radiation dose management.



## DoseWise Portal to take control of radiation dose management

Pair vendor-agnostic, web-based software with exceptional professional services that offer deep expertise in clinical applications, IT, imaging, and medical physics. DoseWise Portal provides a streamlined solution to review and manage data on radiation exposure, helping you strategically take control of your dose programs.



# Seamless imaging for better healthcare

Meaningful innovation today lies in enabling seamless processes that deliver repeatable and reproducible outcomes with the power to touch more lives, at a faster rate, more cost-effectively. By focusing on what matters most to the imaging community – your clinical, operational, and financial challenges – we can streamline the path to a confident diagnosis and provide the greatest value to patients, providers and health systems. That's innovation at its best.

**There's always a way to make life better.**

## About Philips imaging

Philips is a global provider of integrated imaging solutions for diagnosis and treatment. Our portfolio of imaging products – in MR, CT, molecular imaging, X-ray, fluoroscopy, IGT and ultrasound – is connected through the enterprise-wide IntelliSpace informatics platform for PACS, RIS, cardiology and advanced visualization. Focused on seamlessly connecting data, technology and people, Philips is pioneering design-driven solutions for patient comfort, smart systems to improve image acquisition, adaptive intelligence to boost diagnostic confidence, analytics and tools for operational improvement, and enterprise partnership models to address the challenges of value-based care.

[www.philips.com/incisiveCT](http://www.philips.com/incisiveCT)



## References

1. Quantitative Report 2020 Incisive CT. The MarketTech Group. November, 2020.
2. Toth T, Ge Z, Daly MP. The influence of patient centering on CT dose and image noise. Med Phys. 2007;34(7):3093-3101. DOI: 10.1118/1.2748113.

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

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