PHILIPS

Computed Tomography

Spectral CT 7500

Every patient. Every scan.

Spectral CT 7500

The need for imaging that's first-time right has never been greater, given the increased demand, pressure on staff, and cost challenges that imaging organizations are facing today. The new Philips Spectral CT 7500 system is your fast, always on, low-dose path to precision diagnosis. Acquire spectral results within a single exposure, for any clinical procedure, and without special scan modes. This is the spectral CT you've been waiting for, which means you can provide a new standard of care, without trade-offs.

Certainty
for better health outcomes

- 26% reduction in follow-up scans due to incomplete diagnosis*
- 23% increase in diagnostic confidence in increased lesion conspicuity**
- Always available in any reading environment with Philips Spectral Magic Glass on PACS

Simplicity
for the patient and staff experience

- Only 2 seconds needed to complete a full chest-abdomen-pelvis scan
- 34% decrease in overall time to diagnosis***
- Always on, always available spectral with no special protocols

Reliability
to reduce overall cost of care

- $135K annual savings (USD) from unreimbursed confirmation scans*
- Expanded clinical capabilities with spectral cardiac
- All patients accommodated, from pediatric to bariatric, to get the most from your investment

It's not just CT. It's spectral-detector CT.

Make every photon count

It's time to make every photon count for every patient and every scan. Until now, photons were limited to generating conventional CT images. But with Spectral CT 7500, each photon adds spectral value, ensuring you have high spectral image quality at the same dose levels you're working with today. With spectral-detector CT, every photon and every scan can be valuable, offering meaningful results for every type of patient.

*Analysis by LSU, New Orleans, LA, USA.
**Analysis by SNUH, Seoul, South Korea.
***Analysis by CARTI Cancer Center, Little Rock, AR, USA

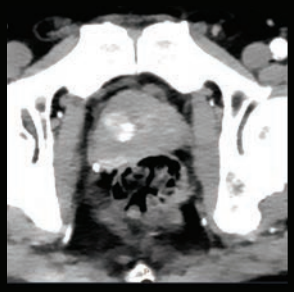
Results from case studies are not predictive of results in other cases. Results in other cases may vary.

100% spectral. Zero compromise.

Because spectral-detector CT is always on, you have certainty in routine spectral imaging, without an increase in radiation dose.

Expect seamless integration into your current easy-to-use Philips iPatient workflow. Scan as usual for layers of rich spectral results – on demand – in a single scan.

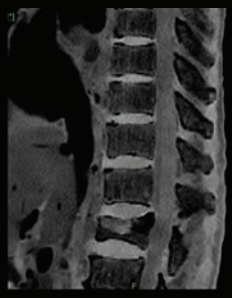
Conventional



MonoE 40 keV

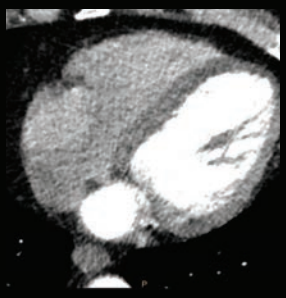
Spectral-detector CT has demonstrated a high sensitivity in detecting malignant findings.

Conventional

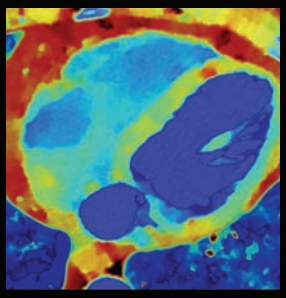


Calcium-suppressed fused

Calcium suppression results allow for identification of bone marrow edema.

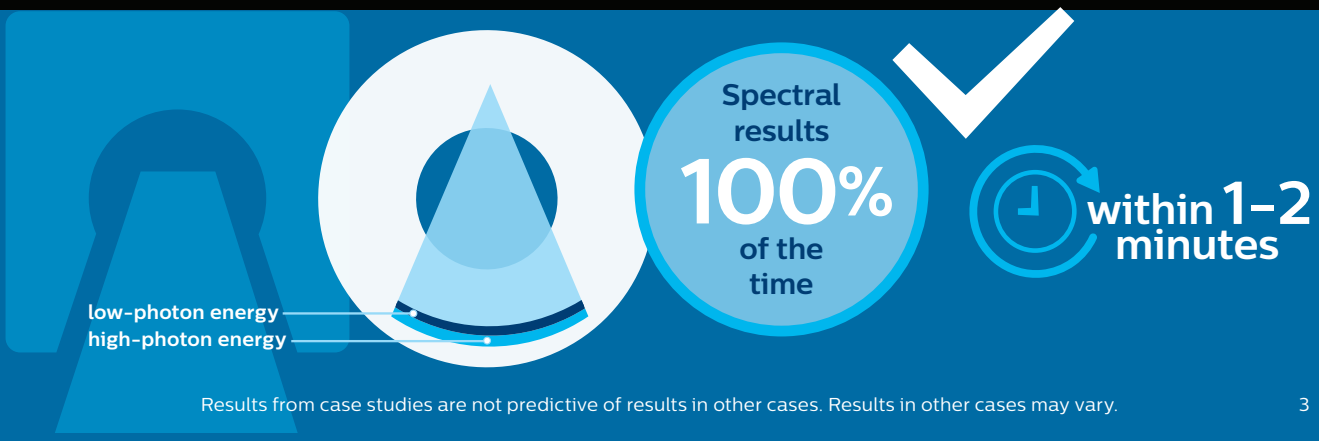


Conventional



Z-effective fused

Myocardium cardiac studies demonstrate reduced beam-hardening artifacts.



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Results on demand

No trade-offs

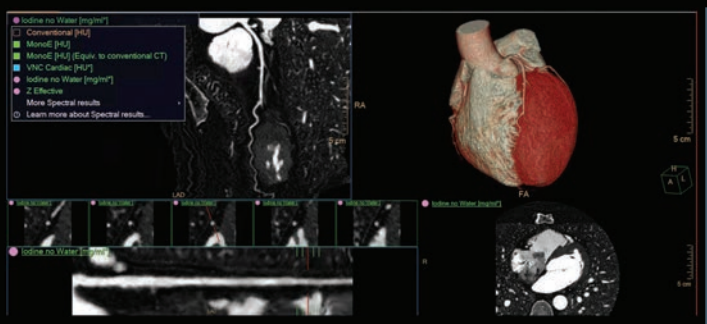
With Spectral CT 7500, image quality, dose and workflow come together. Perform fast, low-dose spectral scans without compromising speed, power or field of view.

26% reduction in follow-up scans due to incomplete diagnosis*

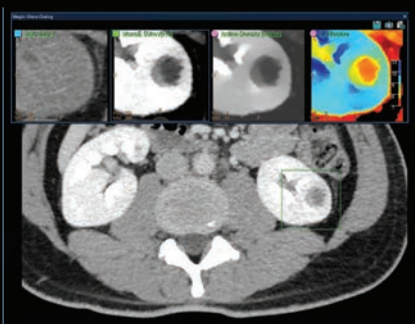
23% improvement in diagnostic confidence**

Savings of **$135,000** per year.*

Now you can convert deep clinical data into valuable diagnostic information using simple, routine scanning with seamless integration of spectral data into your reading environment.



Quickly get the most from spectral-detector CT through AI-enabled advanced visualization with Philips IntelliSpace Portal, featuring applications such as CT Spectral Comprehensive Cardiac Analysis.



Simultaneously view and quickly compare up to five different spectral results at a time with Philips Spectral Magic Glass.

Easily access spectral data “on the fly” anywhere, anytime across your enterprise with Spectral Magic Glass on PACS.

* Analysis by LSU, New Orleans, LA, USA.
** Analysis by SNUH, Seoul, South Korea.

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First-time right

Fast scanning and fast reconstruction support fast time to diagnosis and treatment. This speed is valuable in any setting, but is crucial for an emergency department (ED), where CT is first-line imaging in a pressure-filled situation.

Go from the “where things are” of conventional CT to easily add the “what things are” revealed by spectral data. These layers of rich spectral data help improve tissue characterization and visualization, reducing the need for follow-up scanning for sub-optimal exams and incidental findings.

Fast spectral, because **who has time to wait?**

Every second counts in the ED

< 1 second for head scans, and also for chest scans

< 2 seconds for chest-abdomen-pelvis scanning

It’s not just fast. **It’s fast time to diagnosis.**

Routine scans with detector-based spectral CT have demonstrated **34%** shorter time to diagnosis.*

*Analysis by CARTI Cancer Center, Little Rock, AR, USA.

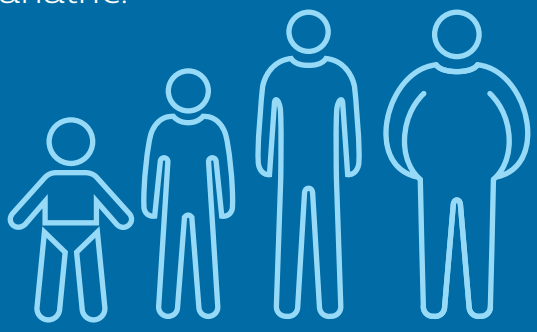
Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Not just for some

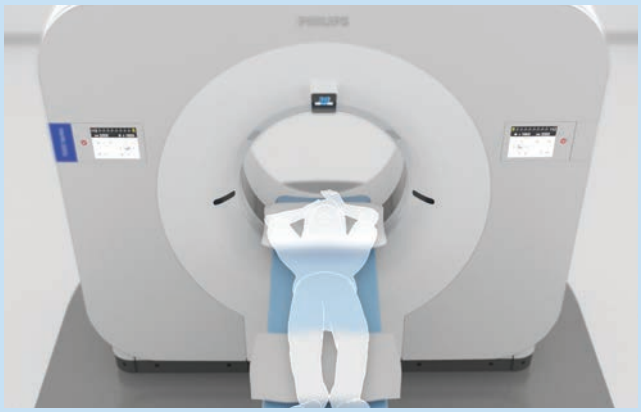
With Spectral CT 7500, spectral scanning is not just for some, but for all.* Expand spectral scanning to challenging patient types, including cardiac, pediatric and bariatric.

No need to select patients up front for spectral scanning.

- Cardiac care
- Emergency radiology
- Oncology
- Interventional radiology
- Radiation oncology



When every scan is spectral, every scan does more



Low-dose 100 kVp spectral results for pediatric patients.

80 cm bore more easily accommodates bariatric patients.

Advances that matter to you

A new high-performance patient table goes low, making it easy for patients in wheelchairs to slide onto the table, eliminating the need for staff to lift them.

The wide bore helps you access patients and also helps accommodate not only large patients, but also patient accessories.

Convenient gantry panels bring efficiency to every type of exam.

*Appropriate for all patients who are candidates for CT scanning.

Make the most of spectral **right now**

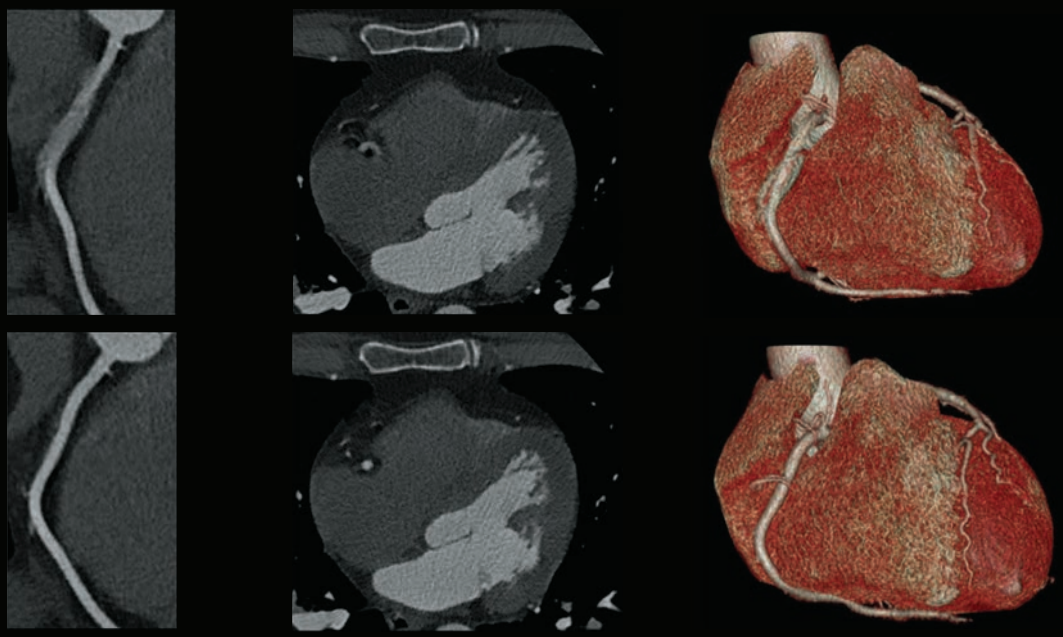
With Philips, you have technology, supportive services, AI capabilities and advanced visualization with spectral CT applications on IntelliSpace Portal.

All of this helps you to get the most out of the Philips spectral-detector CT experience in your environment right now.

Motion-free cardiac scanning

Advanced cardiac capabilities such as AI-enabled motion-free cardiac scanning make spectral imaging available to more types of patients and conditions.

- Realize full FOV cardiac scanning
- Access new spectral cardiac results
- Reduce calcium blooming for more precise measurement of calcified plaque and lumen diameter
- Differentiate between left atrial appendage thrombus and filling defect
- Reduce beam-hardening artifacts for more effective assessment of myocardial perfusion



Cardiac CTA with RCA motion

Cardiac CTA with Precise Cardiac motion-free

The Spectral CT 7500 is a computed tomography X-ray system intended to produce cross-sectional images of the body by computer reconstruction of X-ray transmission data taken at different angles and planes. This device may include signal analysis and display equipment, patient and equipment supports, component parts, and accessories.

The Spectral CT 7500 system acquires one CT data set – composed of data from a higher-energy detected X-ray spectrum and a lower-energy detected X-ray spectrum. The two spectra may be used to analyze the differences in the energy dependence of the attenuation coefficient of different materials. This allows for the generation of images at energies selected from the available spectrum and to provide information about the chemical composition of the body materials and/or contrast agents.

Additionally, materials analysis provides for the quantification and graphical display of attenuation, material density, and effective atomic number. This information may be used by a trained healthcare professional as a diagnostic tool for the visualization and analysis of anatomical and pathological structures.

The images and descriptions contained herein provide technical specifications and optional features which may not be included with the standard system configuration. Contact your local Philips Representative for complete specific system details.

Some or all of the products, features, and accessories shown or described herein may not be available in your market. Please contact your local Philips Representative for availability.

The Spectral CT 7500 is a commercial configuration of the Spectral CT device.

Rx Only

CE 0197

www.philips.com/spectralct7500

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