

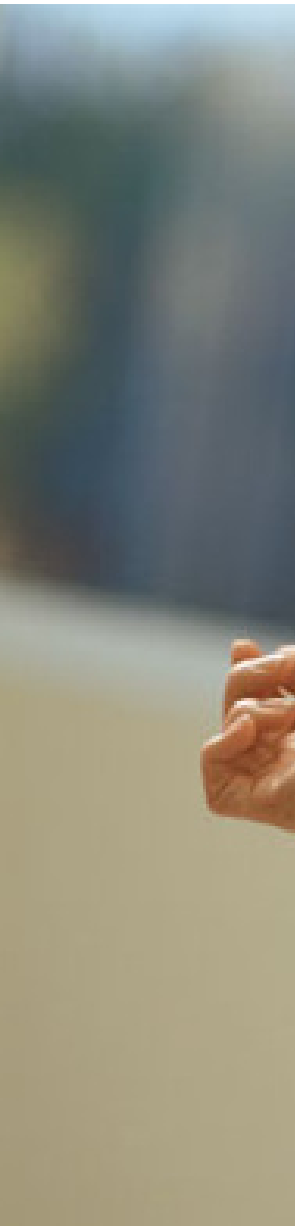


# Biograph TruePoint PET•CT

Smaller, Faster, Better

[www.siemens.com/medical](http://www.siemens.com/medical)

**SIEMENS**  
medical





A flexible, high-powered medical imaging platform, Siemens Biograph® offers an unmatched range of performance options to enhance image resolution and quality, and improve patient satisfaction as well as throughput.

Biograph's clinical solutions are designed specifically for hybrid modality integration, providing what you and your patients' need most — clinical accuracy and speed to diagnosis. Choose from various multislice CT configurations, high or standard resolution options, and clinical configuration options to customize the Biograph solution to meet your specific needs.

**Biograph provides you with true volume, clarity, efficiency, confidence, integration, and potential — and the clinical outcomes to prove it.**

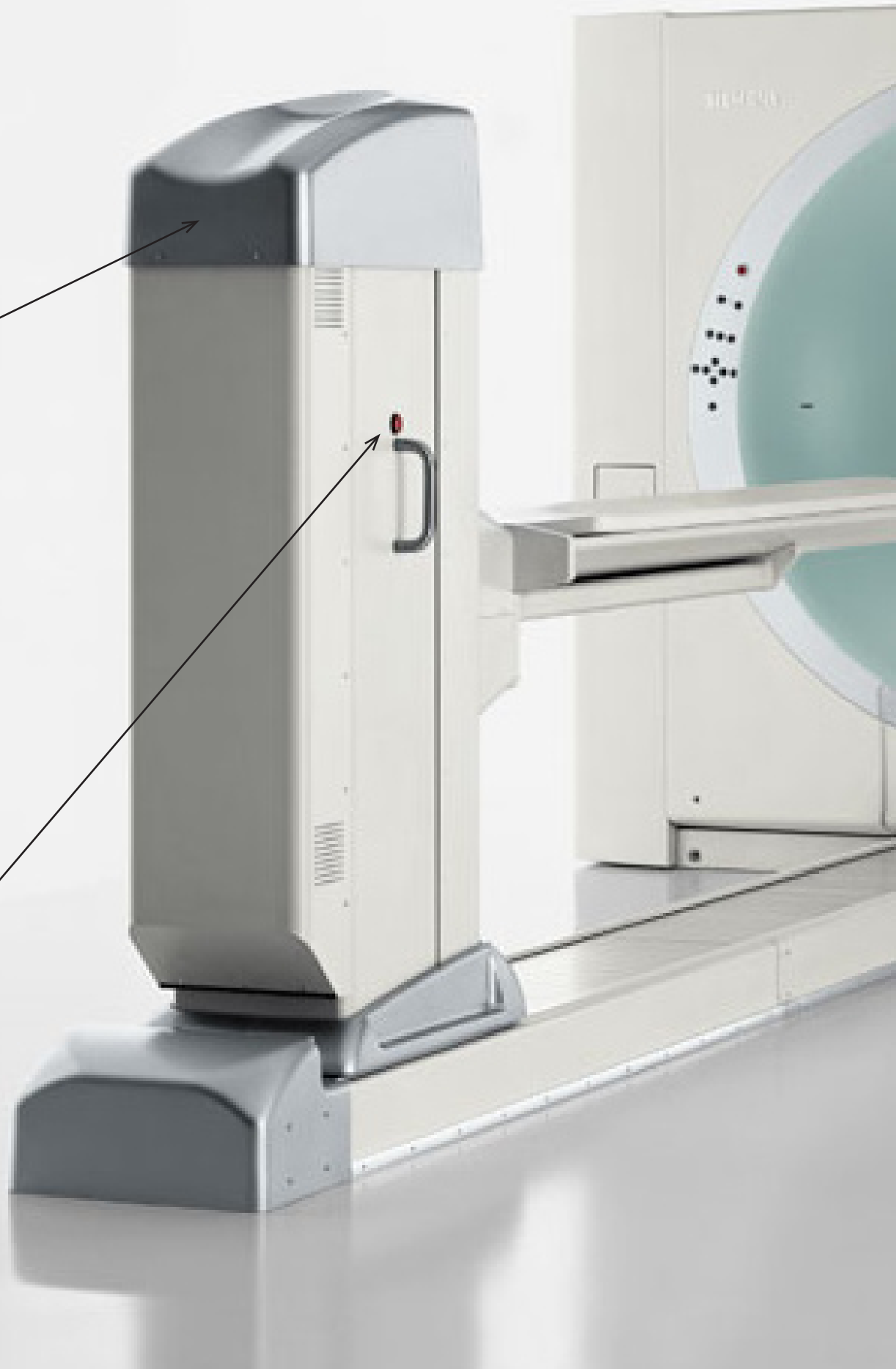
Biograph was developed by Siemens, a pioneer in innovative imaging techniques and clinical applications. Siemens goal is simple — to provide you with the clinical solutions that enable a faster diagnosis, state-of-the-art case management, and proven outcomes. And, time and again, we've answered that call:

<b>1976</b> the first commercial PET scanner	<b>1989</b> the first commercial time of flight PET system	<b>1991</b> the first commercial FDG distribution center	<b>1998</b> the first hybrid PET-CT imager	<b>2000</b> the first commercial, Lutetium-based PET scanner
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# The Power of PET·CT

Unique Patient Handling System (PHS) design that ensures reliable patient support, highest weight capacity, minimal patient deflection and absolute accuracy between the PET and CT acquisitions

Fast pallet release for emergency situations





Integrated panel display for scan parameters, table position and optional ECG signal display

Controls on both sides of the gantry as well as the operator's console to facilitate high patient throughput

Advanced cooling system design ensures system stability, high image quality, and quiet patient environment

Patient friendly integrated design with a full 70 cm opening and wide flared aperture for greater patient comfort, reduced claustrophobic effect and better RTP integration

# True Volume

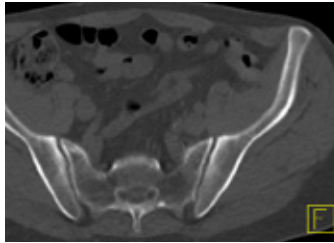
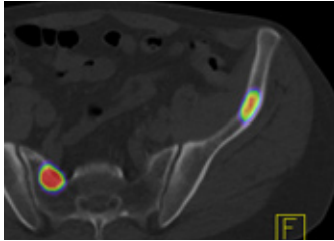
## Like Nothing You've Ever Seen

It's time to think big. True volumetric PET•CT with TrueV, a revolutionary technology from Siemens, increases the PET field of view by an eye-opening 33% in the axial dimension. It's the largest PET•CT field of view in the industry. Proven to increase count rate performance by an amazing 78%, TrueV provides you with the most functional information possible per PET bed position and reveals the clearest, most breathtaking PET images you've ever seen.

But that's not the complete TruePoint story. The combination of the incredible metabolic detail of our PET technology with true volumetric CT provides unsurpassed hybrid clinical image quality. It's the surest way to see exactly what activity is taking place in the body and exactly where to localize it.

**Clarity and detail you have to see to believe.**

Find it all in the details



*Data courtesy of Cancer Imaging and Tracer Development Program, University of Tennessee, Dr. David Townsend*



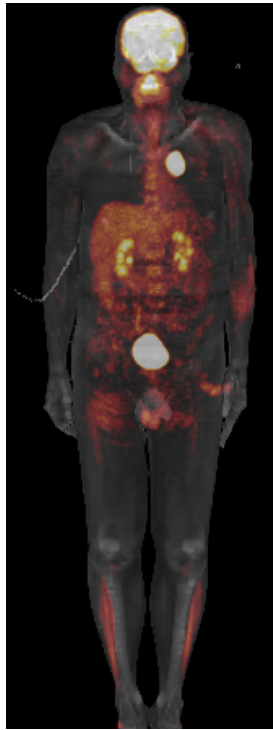
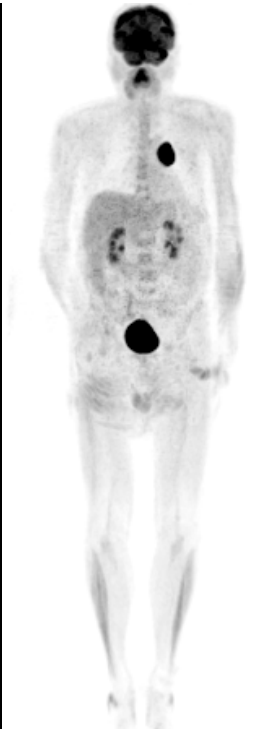
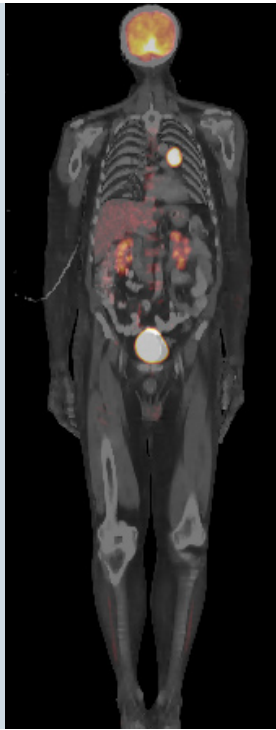
# True Clarity

## Closer Attention to Detail Reveals the Bigger Picture

TruePoint PET•CT completely integrates the functional sensitivity of PET with the rich anatomical detail of diagnostic multislice CT. Exclusive technologies, such as the award winning Patient Handling System (PHS), HI-REZ, LSO, Pico-3D, True C, and SureView, offer superb image quality for improved diagnostic confidence. With Biograph's leading-edge technology, you can be more confident in your ability to detect changes in molecular activity even before anatomical changes become visible.

TruePoint PET•CT helps you to reveal primary tumors, detect metastases, quantify uptake, and reduce false positives. Whether you're working in oncology, cardiology, or neurology, you need the most complete set of information possible in order to make a truly accurate diagnosis. Only TruePoint PET•CT reveals the tiniest abnormalities in the clearest detail.

**See what you've been missing.**



Schedule any PET•CT  
in a standard time slot.

*Data courtesy of  
Cancer Imaging and  
Tracer Development  
Program, University of  
Tennessee, Dr. David  
Townsend*

# True Efficiency

## Smaller, Faster, Better

### Smaller Lesions

TruePoint PET•CT brings you unsurpassed lesion detectability with the best spatial resolution in the industry. With new and improved HI-REZ PET detection and z-Sharp CT technology, you can quickly find and identify lesions and can increase your diagnostic confidence.

### Faster Scans

Thanks to our advanced TruePoint technologies like LSO crystals, Pico-3D electronics, True V extended PET field of view and UFC detectors for fast CT rotation times, you can now acquire images twice as fast as with a traditional PET•CT scan — all without sacrificing image quality. High resolution, high speed acquisitions result in dramatically increased patient comfort and throughput.

### Lower Doses

TruePoint technology can also achieve full diagnostic confidence with only half the injected dose. Collecting 78% more data with TrueV, you can reduce the amount of each injected dose by as much as 50% and with CARE Dose 4D reduce the CT dose by 66%. Lower patient radiation exposure translates into higher levels of patient safety, especially important for pediatric patients.

**Increase your diagnostic confidence.**

# True Integration

Where It All Comes Together

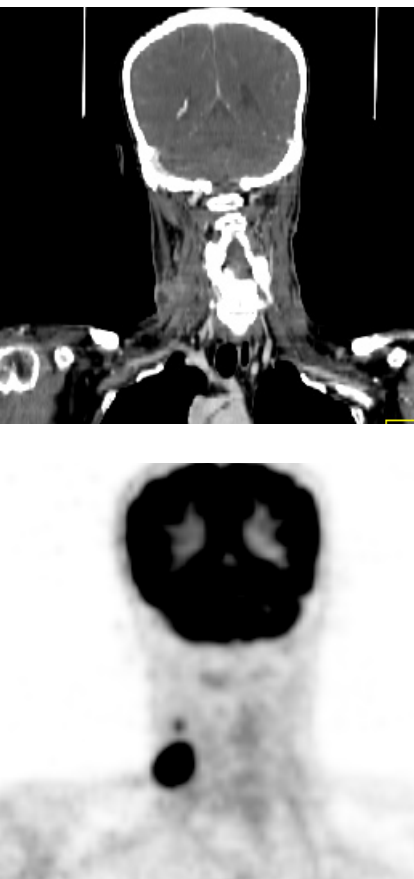


*syngo*®. It's all about you. *syngo*, our unique user interface solution for diagnostic and therapeutic cycles, knows how you work. What you need. What's most important. Fast, easy, and intuitive, *syngo* brings together all of the solutions critical to you — and your patients. Uniquely role-based for your workflow, *syngo* completely integrates your day, your department, and beyond. Leading to a whole new level of clinical excellence. And partnership you can grow with. It's the beginning of a virtualized, "always on, anywhere" world of healthcare. The time to *syngo* is now.

The proprietary technology solution that puts the incredible power of TruePoint PET•CT right at your fingertips, *syngo* brings together everything you need to do your job with true efficiency — images, applications, reports, schedules, patient histories, and more. Streamline image processing with WorkStream and optimize image interpretation using advanced clinical applications like *syngo* TrueD, our dedicated oncology tool, as well as *syngo* CardioFusion and *syngo* Scenium, our specialized assessment tools for cardiology and neurology.

**Streamlining clinical workflow.**

Visualize every lesion.



# True Confidence

## The Power to Know More Sooner

Accuracy. Your patients expect it of you, why shouldn't you expect it from your imaging technology? That's the promise of TruePoint PET•CT — the ability to pinpoint the exact location, size, nature, and extent of disease at its earliest stage. With earlier and more accurate diagnoses, you can plan treatment more effectively, provide feedback on treatment efficacy, avoid unnecessary invasive surgery, and improve the overall care for

patients. And with a suite of powerful proprietary clinical applications, you can optimize images to streamline interpretation and improve workflow efficiency. After all, the earlier you can diagnose disease, the sooner you can begin treatment.

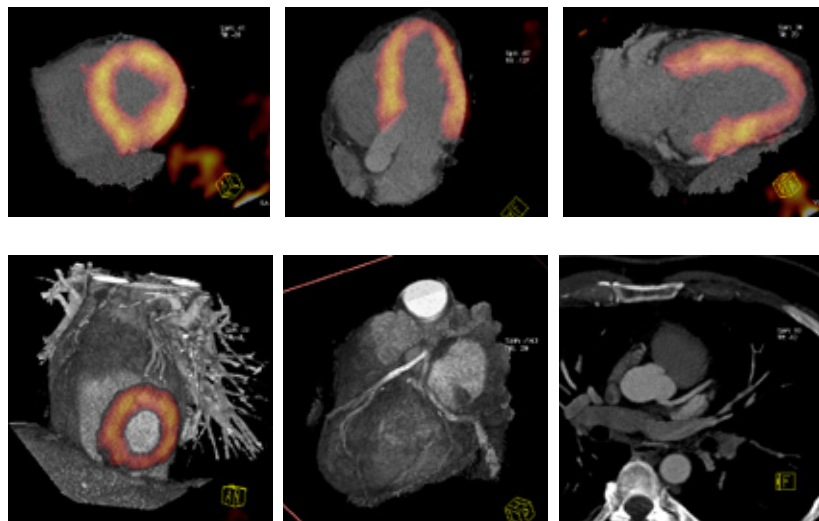
**Peace of mind for you and your patients.**

*Data courtesy of Cancer Imaging and Tracer Development Program, University of Tennessee, Dr. David Townsend*

# True Potential

## Start Here. Go Anywhere.

What's so exciting about the future of diagnostic imaging? Everything. The growth of new molecular imaging tracers and technology is exploding. As tracers become even smarter to better target disease, they will also expand the role of imaging beyond diagnostics. Molecular imaging will enable Biograph TruePoint PET•CT technology to play a larger role in disease management as it's increasingly used in staging, planning, therapy monitoring, and follow-up. Only Siemens offers the leading-edge technology, ever-expanding capabilities, and ongoing support you need to realize the full potential of molecular imaging. As the field of molecular imaging is propelled into the future, Biograph prepares you with field upgrades in both PET and CT technology today to allow you to meet the molecular imaging requirements of tomorrow.





Be well positioned for the future with Biograph.


*Data courtesy of Emory Crawford Long Hospital, Atlanta, GA, Dr. Patterson*

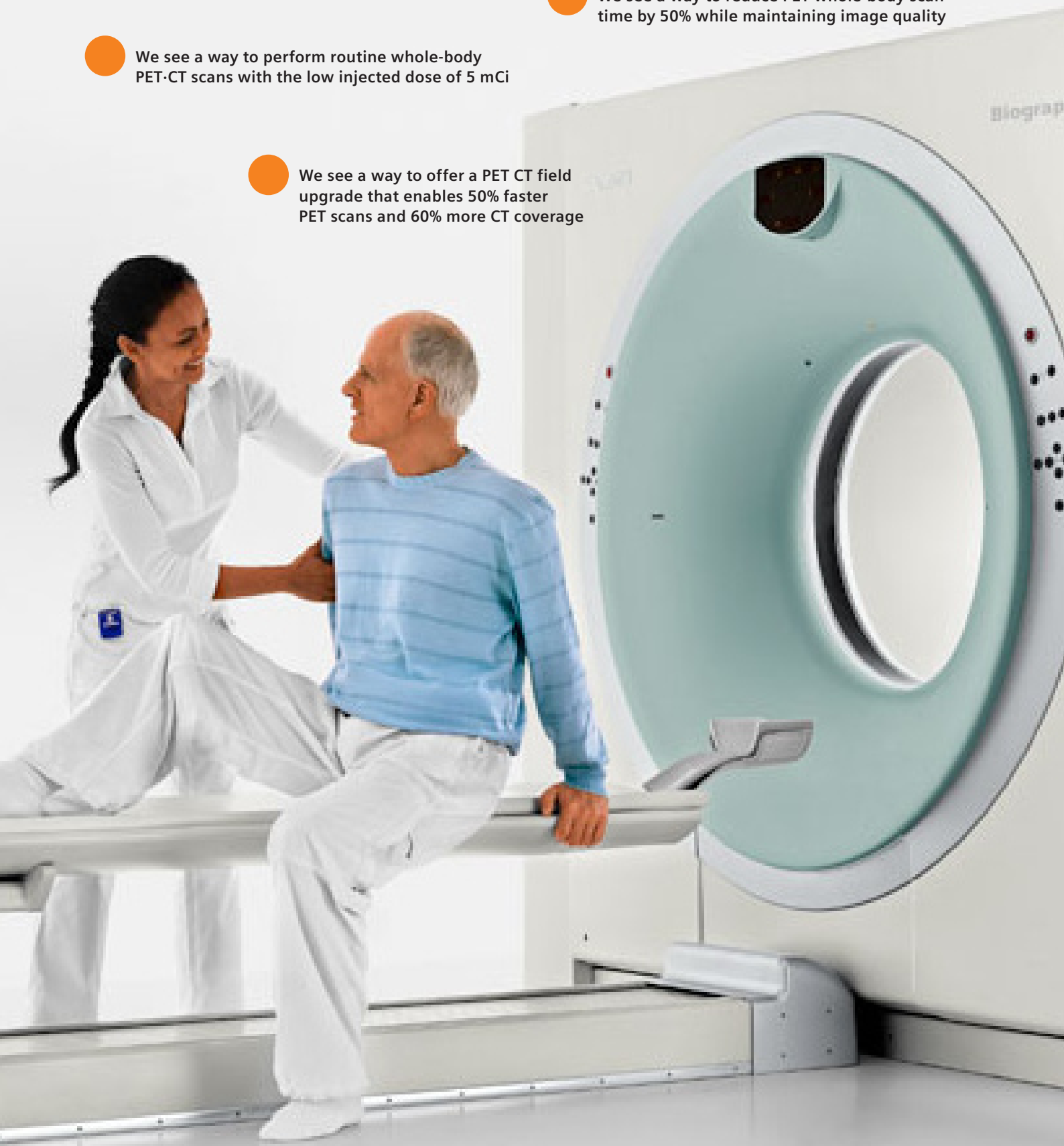
**Expanding the role of imaging beyond diagnostics.**

# Proven Outcomes

 We see a way to perform routine whole-body PET-CT scans with the low injected dose of 5 mCi

 We see a way to offer a PET CT field upgrade that enables 50% faster PET scans and 60% more CT coverage

 We see a way to reduce PET whole-body scan time by 50% while maintaining image quality



With the most comprehensive capabilities in the industry, Siemens Molecular Imaging can help you stay ahead in the race to personalized medicine. We lead the market in clinical, preclinical, and biomarker solutions. Enabling diagnosis and treatment to be more targeted. More cost-effective. And more successful than ever before. Because at Siemens Molecular Imaging, innovation is in our genes.

#### Conformance to Standards

The Biograph family conforms to the Medical Device Directive Quality System and the Essential Requirements of the Medical Device Directive. The product is designed and tested for safety in accordance with IEC 60101 and for ElectroMagnetic Compatibility (EMC) in accordance with the European Union's EMC Directive, 89/336/EEC. Labeling for these requirements as well as ISO 9001 and Class II Laser Product appears at appropriate locations on the product and in its literature. The software is DICOM compliant. The scanner is CSA compliant.

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#### Contact Addresses

Siemens Medical Solutions USA  
Molecular Imaging  
2501 N. Barrington Road  
Hoffman Estates, IL 60192-5203  
USA  
Telephone: +1-888-826-9702  
[www.siemens.com/mi](http://www.siemens.com/mi)

Siemens Medical Solutions USA  
Molecular Imaging  
810 Innovation Drive  
Knoxville, TN 37932-2751  
USA  
Telephone: +1-888-826-9702  
[www.siemens.com/mi](http://www.siemens.com/mi)

**Siemens Medical Solutions USA, Inc.**  
51 Valley Stream Parkway  
Malvern, PA 19355-1406  
USA

**Headquarters**  
Siemens Medical Solutions USA, Inc.  
51 Valley Stream Parkway  
Malvern, PA 19355-1406  
USA  
Telephone: +1-888-826-9702