Brivo* CT385
Great care by design

Built to do **more.**

Built for total returns.

Superb image quality. Advanced features. Compact size.
All in one CT system that's now within reach.

When we set out to design a new 16-slice CT scanner, we started with a vision: develop a small, yet powerful scanner that is reliable and easy to use, yet clinically advanced and flexible.

Enter the high-resolution world with the Brivo CT385. Designed to deliver superb image quality and advanced dose optimization for maximum diagnostic versatility. Detect pathologies and view anatomical structures with unprecedented detail and full dose control, thanks to innovative technologies such as IQ Enhance.

New dose-reduction technologies—including the HiLight Scintillator Detector with VolaraDT DAS, ASiR*^, ViSR[†], Organ Dose Modulation (ODM), and Optidose*—ensure fast, high-quality acquisitions at optimized dose for all patients across diverse procedures. So you can make fast, confident diagnoses, from head to toe.

An easy-to-use, ergonomic interface, combined with GE's latest technologies such as Digital Tilt, SmartPrep* with Dynamic Transition, and the Xtream* Integrated Injector, help you streamline workflow, better manage your daily routine, and increase patient throughput.

Big performance. Small footprint.

The 16-slice Brivo CT385 is designed to deliver the performance expected of a 16-slice CT yet fit into the siting requirements of most single-and dual-slice CT systems, thus eliminating or greatly reducing any siting concerns or cost. Share with us your siting and patient imaging needs, and you'll see how GE's innovations will provide you with the solution you are looking for.

Lower-dose exams throughout the body with ASiR and ODM.

High-quality thin-slice images with IQ Enhance.

Higher IQ thanks to HiLight Scintillator Detector with VolaraDT DAS

Up to 68% less annual electricity consumption with GE innovative energy-saving mode software.

Lower siting costs with smallest 16-slice CT system (10.1 m² footprint).

^ In clinical practice, the use of ASiR may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

[†] In clinical practice, the use of ViSR may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

Built with confidence.

Lowering dose while delivering high image quality and more efficient imaging workflow.

A proven leader in dose-reduction technologies, GE continues to develop important dose-optimization features available across all platforms. The Brivo CT385 offers many tools to help manage dose, with clinically diagnostic image quality.

HiLight Scintillator Detector with VolaraDT DAS (Data Acquisition System)

The new-generation detector is created especially for the Brivo CT385. This detector is tested for thermal strength and reliability. With the new digital DAS technique, digital signal flows directly from the detector to the DAS chip, reducing the noise introduced by conventional data acquisition systems.

Digital DAS (Data Acquisition System)

The Digital DAS increases the sampling rate by up to 20% and reduces noise, resulting in outstanding image quality in signal-starved areas (shoulder, hip, large patients, metal) and low-contrast soft tissue (body, neuro) in people of all ages.
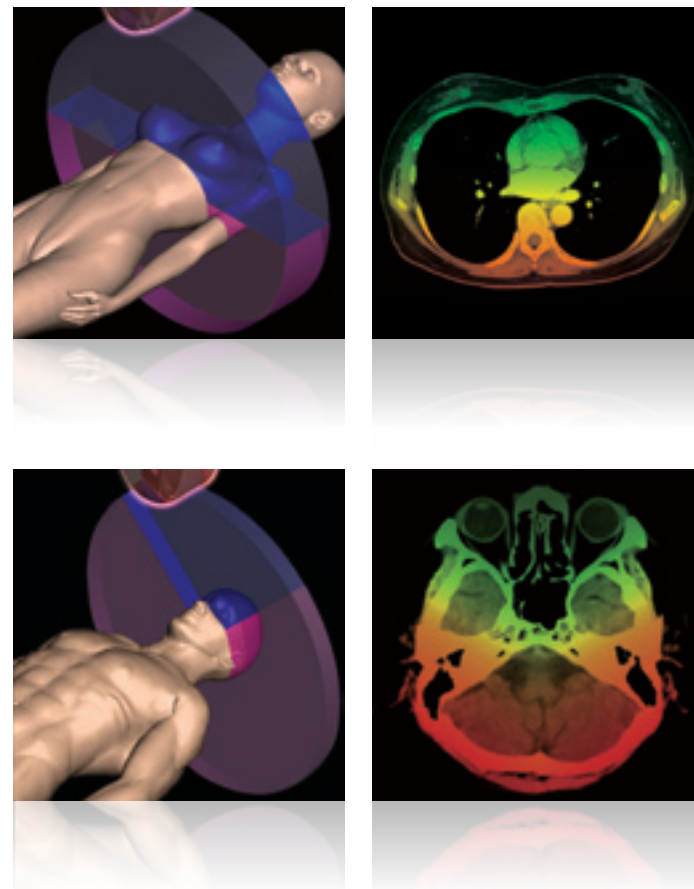
ASiR

A leap ahead in dose management, ASiR may help you achieve dose reductions of up to 40% while delivering the diagnostic image quality you need for a confident diagnosis. It may also improve low-contrast detectability. A projection-based iterative reconstruction technology, ASiR changes the dose paradigm across many anatomies and patients. Our customers' experiences using ASiR technology have demonstrated excellent diagnostic image quality at low dose across exam types and body regions.

ViSR

Volumetric Image Space Reconstruction (ViSR) provides a 3D filter that reduces noise without compromising resolution, for clear visualization of brain, tumor, and pediatric cases. With the ViSR 3D filter, the scanner delivers up to 20% image quality improvement at the same dose, or the same image quality with up to 36% dose reduction.

Organ Dose Modulation

The Brivo CT385 features Organ Dose Modulation (ODM), which provides the reduction of radiation dose via X-ray tube mA modulation for superficial tissues such as breasts and crystal lenses.

OptiDose

Dose reduction with ASiR is combined with GE's proven Optidose technologies that deliver dose reduction at the source. SmartTrak dynamic collimation keeps the X-ray beam tightly focused on the active detector cells, while Dynamic Z-Axis tracking blocks unused X-ray at the beginning and at the end of the helical scan. Volume Image Space Reconstruction (ViSR) techniques are highly optimized to improve image quality at lower dose.

Short gantry design improves X-ray utilization. The more compact a CT scanner's geometry—the distance from the X-ray tube to the detector—the more efficient the performance of the system's tube and generator.

Auto mA modulates mA during both axial and helical scanning, maintaining image quality on each slice. That improves signal-to-noise ratio and optimizes dose by adapting the current to the absorption coefficient for each slice.

3D Filter assesses tissue through quick, quantitative analysis of blood flow disturbances in the brain, including cerebral blood volume, cerebral blood flow, and mean transit time.
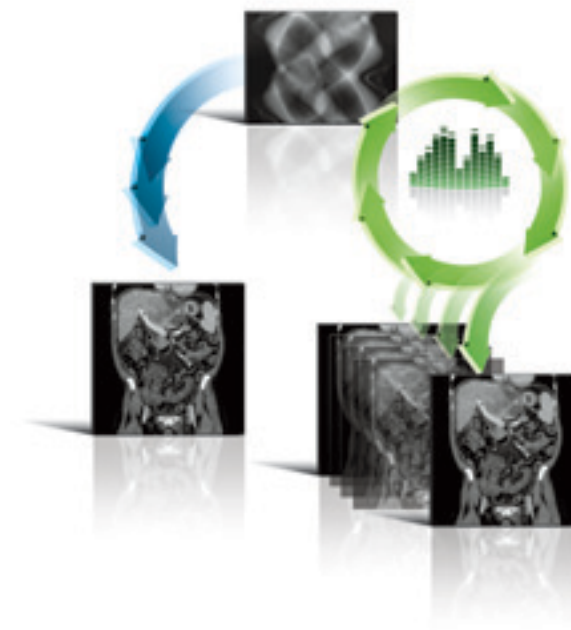
Simply advanced.

Incorporating the latest technologies from GE Healthcare's advanced CT platforms, Brivo CT385 delivers essential functionality to meet your current and future clinical needs.

Brivo CT385 allows **enhanced analysis of vascular features** by automatically determining the vessel centerline. Tracking multiple paths allows you to measure angles between branches. You can also view true oblique cross-sections of vascular images, and rotate curved views to more clearly visualize vascular lesions.

IQ Enhance boosts your pitch with outstanding spatial and low-contrast resolution that allows a detailed study of arterial vascular disease, including calcified plaque and occluded or lumen reduction.

3D Dose Modulation automatically adjusts the mA as you scan along the x-y-z axes. The modulation maintains CT image quality, via a noise index to optimize the mA to only what is needed to deliver the image quality you choose.

Built for what you need to do.

Scan. Acquire. Post-process. Reformat.
On one console.

Volume Viewer Application with Direct MPR

Direct MPR with Auto-Batch feature, affords automatic real-time direct reconstruction and transfer of fully corrected multi-planar images. It allows you to move from routine 2D review to prospective 3D image review of axial, sagittal, coronal, and oblique planes while enabling automated protocol-driven batch reformats to be created and networked to your desired reading location.

Multi-Planar Volume Reconstruction

Enhance contrast accurately and improve visualization of structures with Multi-Planar Volume Reconstruction (MPVR), a quick, easy way to generate volumetric images. Apply MIP (Maximum Intensity Projection) for vascular anatomy; MinIP (Minimum Intensity Projection) for airways and bronchi; or Average for head or abdominal examinations. View the selected volume from any desired plane, and combine it with variable slice thickness to analyze lesions in the pancreas, renal arteries, and spine more clearly.

3D Surface, 3D MIP, and 3D Volume Rendering

Utilize Volume Rendering to enhance three-dimensional visualization of imaged tissue using a translucent rendering. Get more information about the spatial relationships of different structures than with standard 3D surface rendering, to interpret CT exams accurately and confidently.
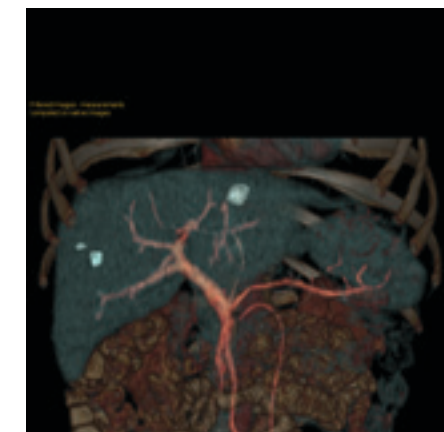
Virtual Endoscopy

Use Virtual Endoscopy to visualize intra-luminal structures such as airways, sinuses, or vascular structures. A virtual "fly-through" mode lets you view images dynamically.
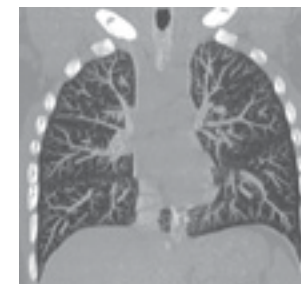

AutoBone with auto vessel tracking on volume reconstruction
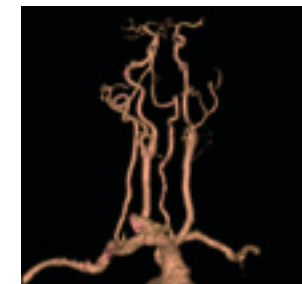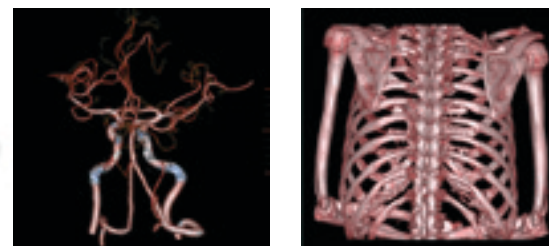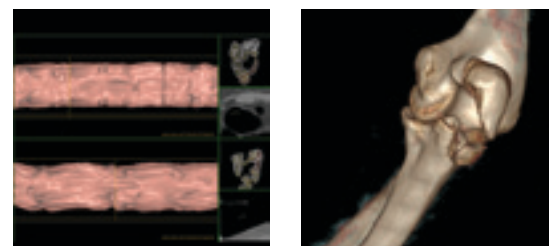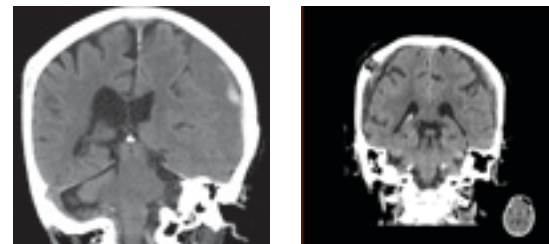
AutoBone neck and VR

MIP

3D volume reconstruction in transparency mode

VR transparency mode

CT Perfusion

Enables stroke management through quick quantitative analysis of blood flow disturbances in the brain, including cerebral blood volume, cerebral blood flow, and mean transit time.

CT Colonography

Provides quick, accurate, non-invasive colon exams. Prone and supine views can be displayed and synchronized together. You can even conduct a 3D fly-through that resembles an optical colonoscopy. Bookmarking tools mark polyp location, and distance and ROI tools quantify size and homogeneity.

Vessel Analysis

Allows enhanced analysis of vascular features by automatically determining vessel centerline. Tracking multiple paths allows you to measure angles between branches. You can also view true oblique cross sections of vascular images, and rotate curved views to more clearly visualize vascular lesions.

DentaScan

Creates a comprehensive set of cross-referenced composite axial, panorex, and oblique planar reformations of the mandible and/or maxilla. DentaScan gives you the information you need to plan dental implants or orthodontic surgery.

From head to toe.
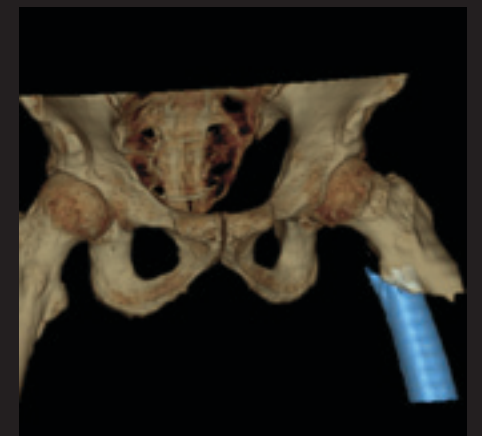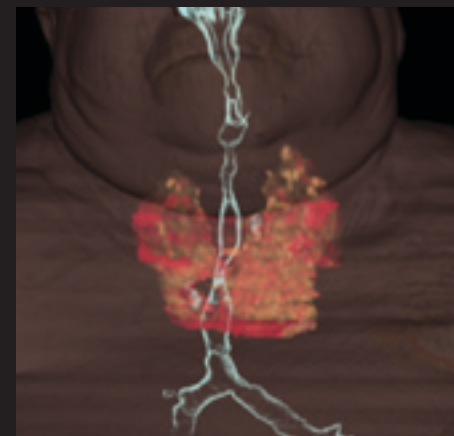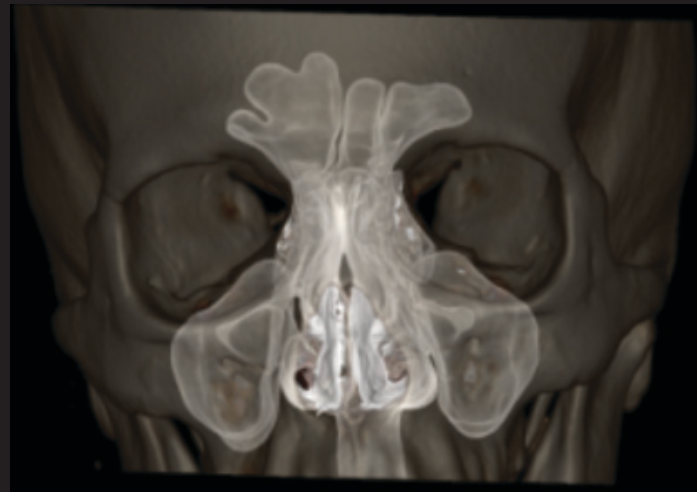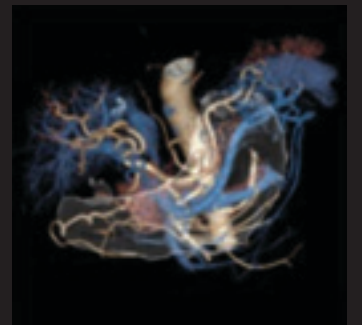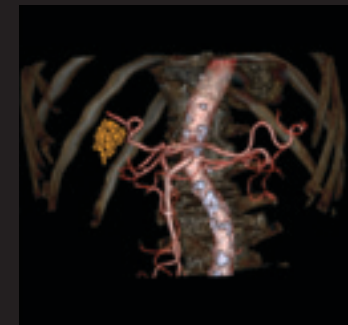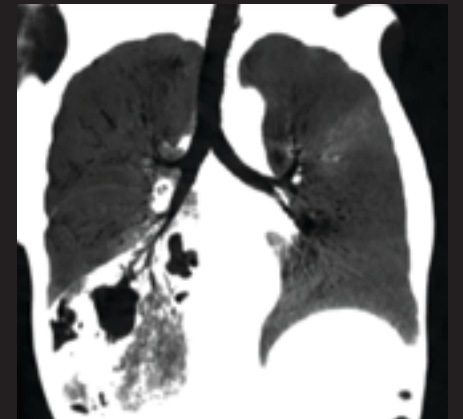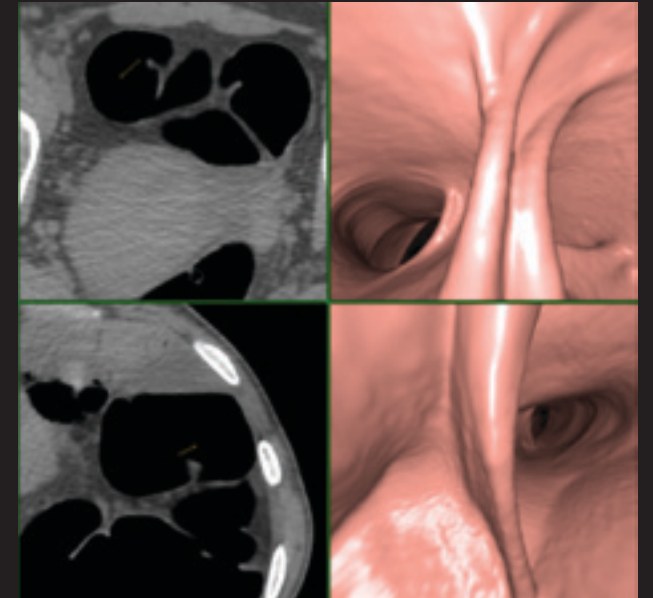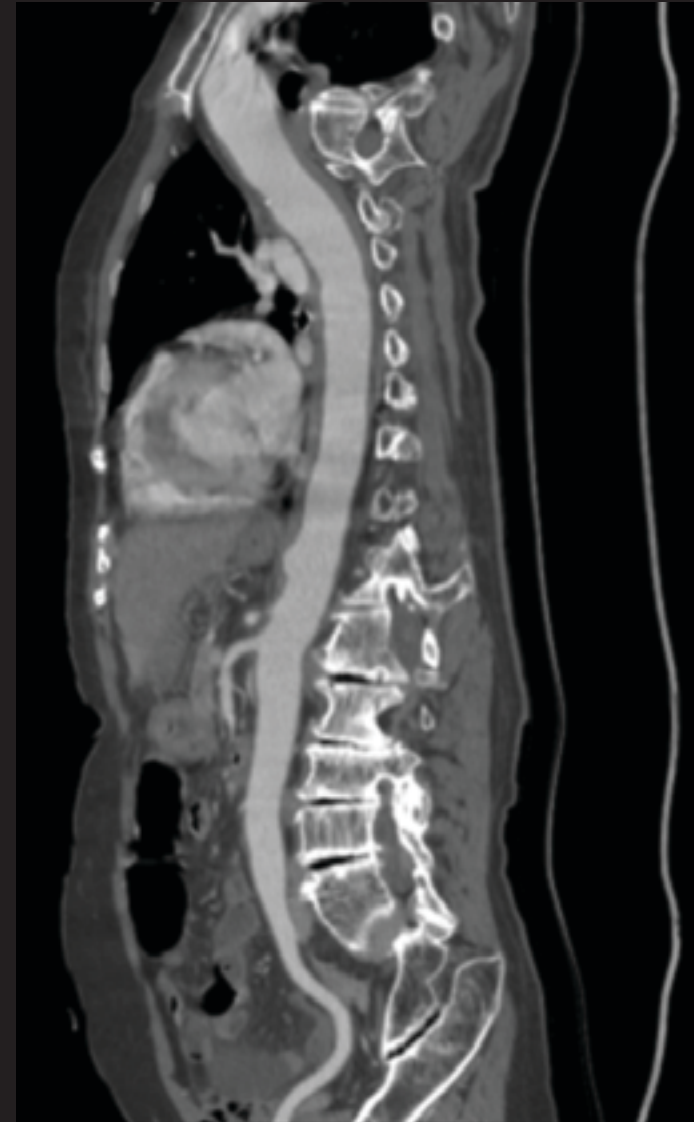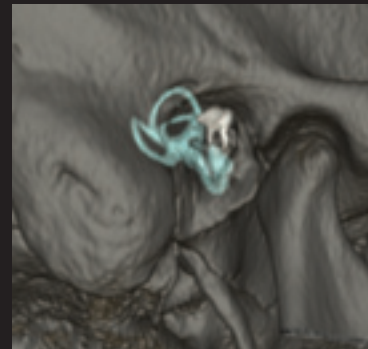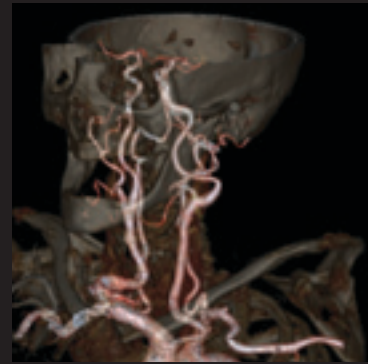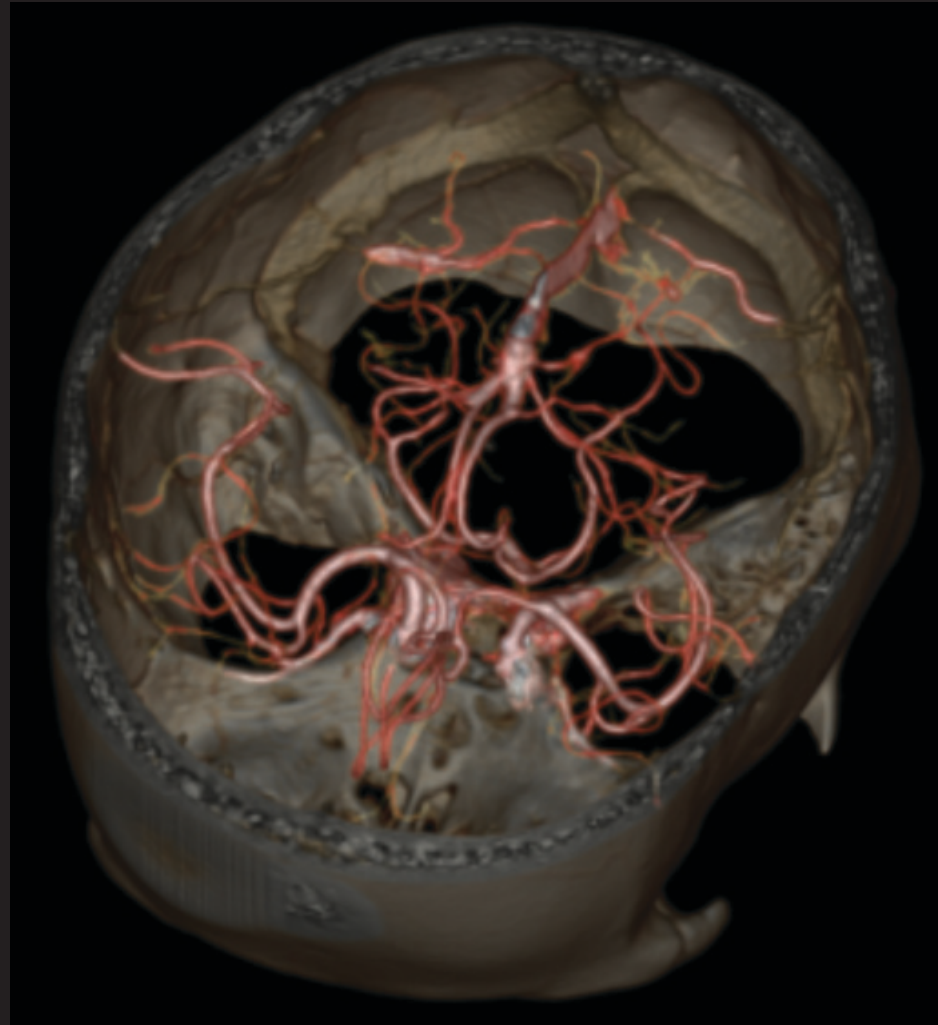
Built to enhance your efficiency.

Enabling high workflow throughput and increased productivity.

Brivo CT385 is designed with the user in mind. By streamlining workflow, technologists and radiologists can complete exams with ease and confidence.

Enhanced workflow efficiency.

SmartPrep with dynamic transition software offers real-time contrast tracking, with scanning automatically triggered by a user-defined IV contrast enhancement value.

User-friendly **Filming Workflow** provides more layout choices, so you can choose the number of images on each film or even customize the layout.

Emergency Scanning Mode lets you complete emergency exams faster than normal CT procedures. Technologists can set up exams with easy-to-understand symbols, automatically position the bed with the touch screen and foot pedal, and scan the patient within seconds.

The **Xtream Integrated Injector** lets you synchronize the start of an injection-and-scan acquisition by pressing a button. Injector device parameters are set automatically and protocols can be preprogrammed.

Push a button, and the **Adjustable Patient Table** moves to its low position for senior patients, patients on emergency beds, and patients in wheelchairs, to streamline exams and increase throughput.

Enhanced installation efficiency.

With the smallest footprint of any 16-slice CT in the world, the Brivo CT385 fits your available space, even in a very small room, with no renovation costs.

Enhanced energy efficiency.

The Brivo CT385's energy-saving mode reduces electricity consumption for operation and ambient cooling by up to 40,600 kWh per machine annually. The result: CO_2 reduction and potential energy savings up to 68% compared to previous-generation GE technology, benefiting the environment and your hospital's bottom line.

Efficiency from positioning to post-processing.

Pushbutton, pre-scan positioning of the Adjustable Patient Table makes exams easier for elderly, young, or immobile patients.

Automatic bed positioning with the intuitive gantry control panel and foot pedal.

Powerful software tools such as Direct MPR streamline post-processing.

Build on our support and service.

Get the most return from your imaging investment.

GE Healthcare offers you continuous care through various innovative technologies and education opportunities to ensure that your Brivo CT385 meets your demanding clinical needs.

We back you with **a large and experienced team of field service engineers** to help increase your system uptime and access. Your organization will be assigned a primary field engineer fully acquainted with your system's service history.

Speedy remote serviceability.

Your Brivo CT385 scanner comes with **broadband connection** capability, so GE service engineers can diagnose and fix your system remotely. Built-in self-check systems connect your CT scanner directly to our technical centers. Remote serviceability lets your field engineer quickly assess the problem and spend minimal time on troubleshooting.

GE **iLinq*** connects you directly to GE Healthcare support. Touch a button on your console screen to quickly summon technical or applications help, saving you precious time. For urgent concerns, we connect you to an engineer in five minutes or less.

Our **AppsLinq*** service provides a live clinical application support and training solution, delivered remotely—a customized, cost-efficient solution that fits imaging operators' busy schedules.

The **TiP Virtual Assistant** provides your staff with interactive, real-time applications training and support right on the console from a dedicated, experienced team of application specialists.

A broadband connection lets GE service engineers assess and correct problems remotely to optimize your system's uptime and efficiency.

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access, and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com

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imagination at work

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