

**TOSHIBA
MEDICAL**



Infinix-i Sky+

Discover new horizons



The world's fastest, most flexible Angio Suite

Providers of interventional imaging systems are being challenged to improve clinical outcome, patient comfort and dose efficiency while reducing cost of ownership and environmental impact. With its unique dual C-arm Infinix-i™ Sky+ provides ultrafast whole-body coverage, free head access and a unique lateral C-arm stroke for better ergonomics, improved productivity and stunning 3D images from head to toe.



Safety is your top priority – we've got you covered.

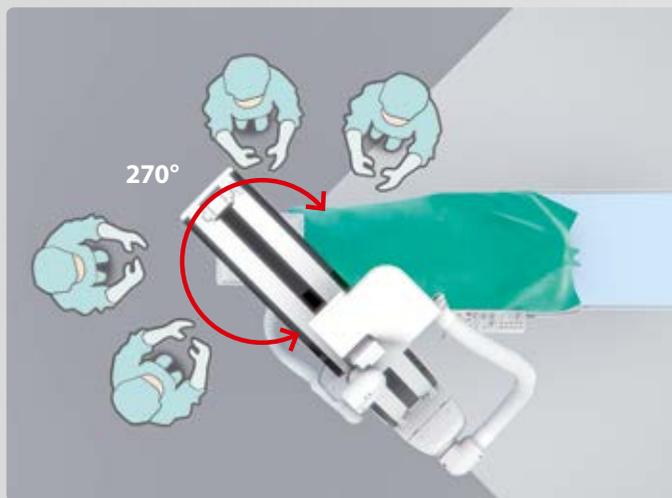
We understand that diagnostic imaging safety goes beyond radiation dose and extends to all areas of patient and staff safety. Toshiba Medical's 360 Degrees of Safety program puts you and your patients first by providing comprehensive coverage, guidance and expertise. From corporate programs that support industry safety to modality features that protect your patients and staff, at Toshiba Medical we have made safety a priority in everything we do.



With 270° isocentric rotation, Infinix-i Sky+ provides unparalleled flexibility and patient access even for the most challenging procedures. Its dual C-arm design with 210° coverage and ultrafast rotation of 80°/s enables shorter breath-hold times, reduced contrast medium and outstanding 3D imaging from head to toe without the need for moving the patient or the table.

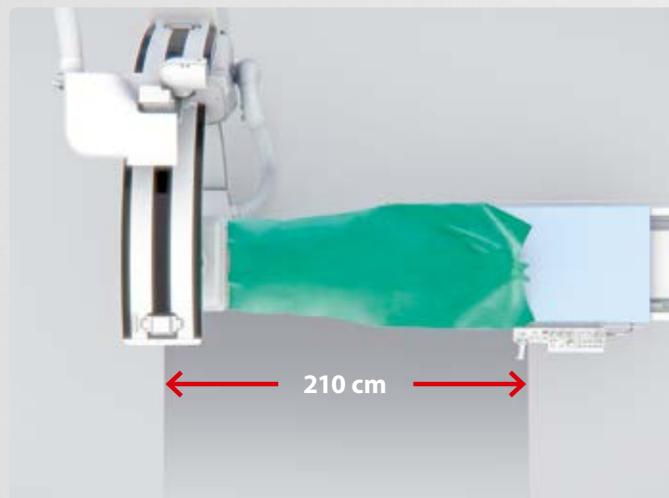
Unparalleled flexibility and patient access

Infinix-i systems are designed around physicians, staff and patients in order to maximize flexibility, minimize exposure and optimize image quality for interventional radiology. So whether you are performing an embolization, angioplasty, shunt repair or any other image-guided procedure, you're always perfectly positioned for greater efficiency and patient safety.



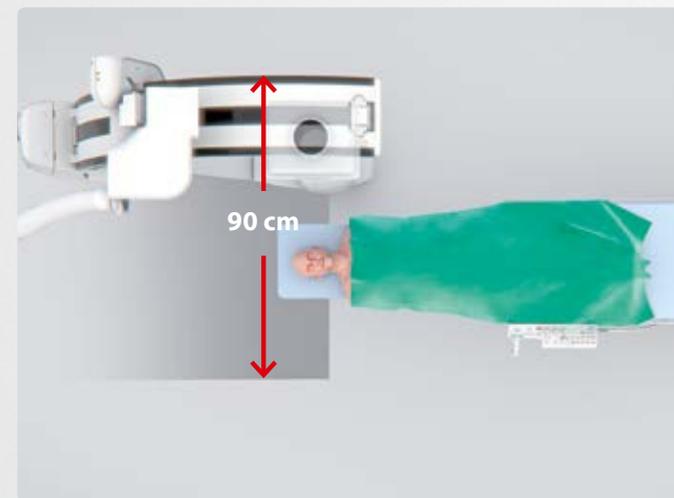
Free head access

Infinix-i's 270° isocentric C-arm rotation capability assures a smooth workflow even during the most complex interventional procedures.



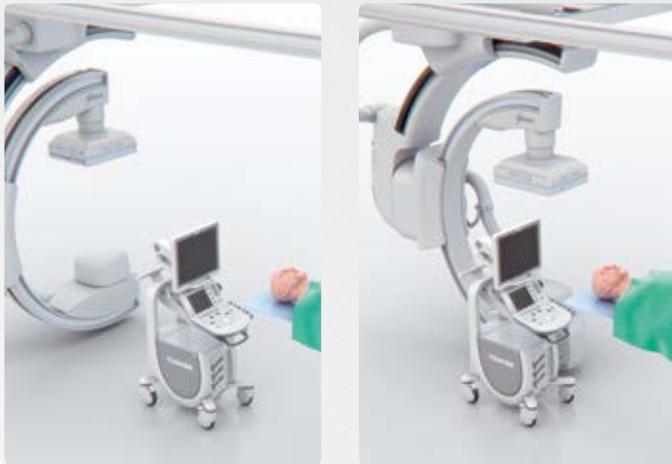
Whole-body coverage

Infinix-i can cover the vast majority of patients from head to toe without table movement, ensuring peripheral access at high patient safety and comfort.



Extended lateral C-arm stroke

The system's unique lateral C-arm stroke expands and simplifies catheter access routes for the radial/brachial approach, shunt angio, venography or port implants.



Smart parking

Infinix-i' dual-track ceiling suspension enables you to create and automate customized parking routes including circumnavigating obstacles.



Fully automated head-up display

The system provides fully automated synchronization of the flat panel detector and collimator for correct head-up display regardless of the C-arm position to simplify orientation while carrying out a procedure.

A flexible system – tailored to your specific needs

The Infinix-i platform provides unprecedented access to the patient and enhances the multi-disciplinary approach to patient care. With a wide range of specialists involved in a range of procedures, the system accommodates multiple clinicians and ancillary equipment to provide unsurpassed flexibility and patient safety.



Supporting hybrid procedures

Today's high volume and variety of procedures make shared labs essential for better departmental throughput. Infinix-i supports hybrid procedures when combined with a tilting cradle table.



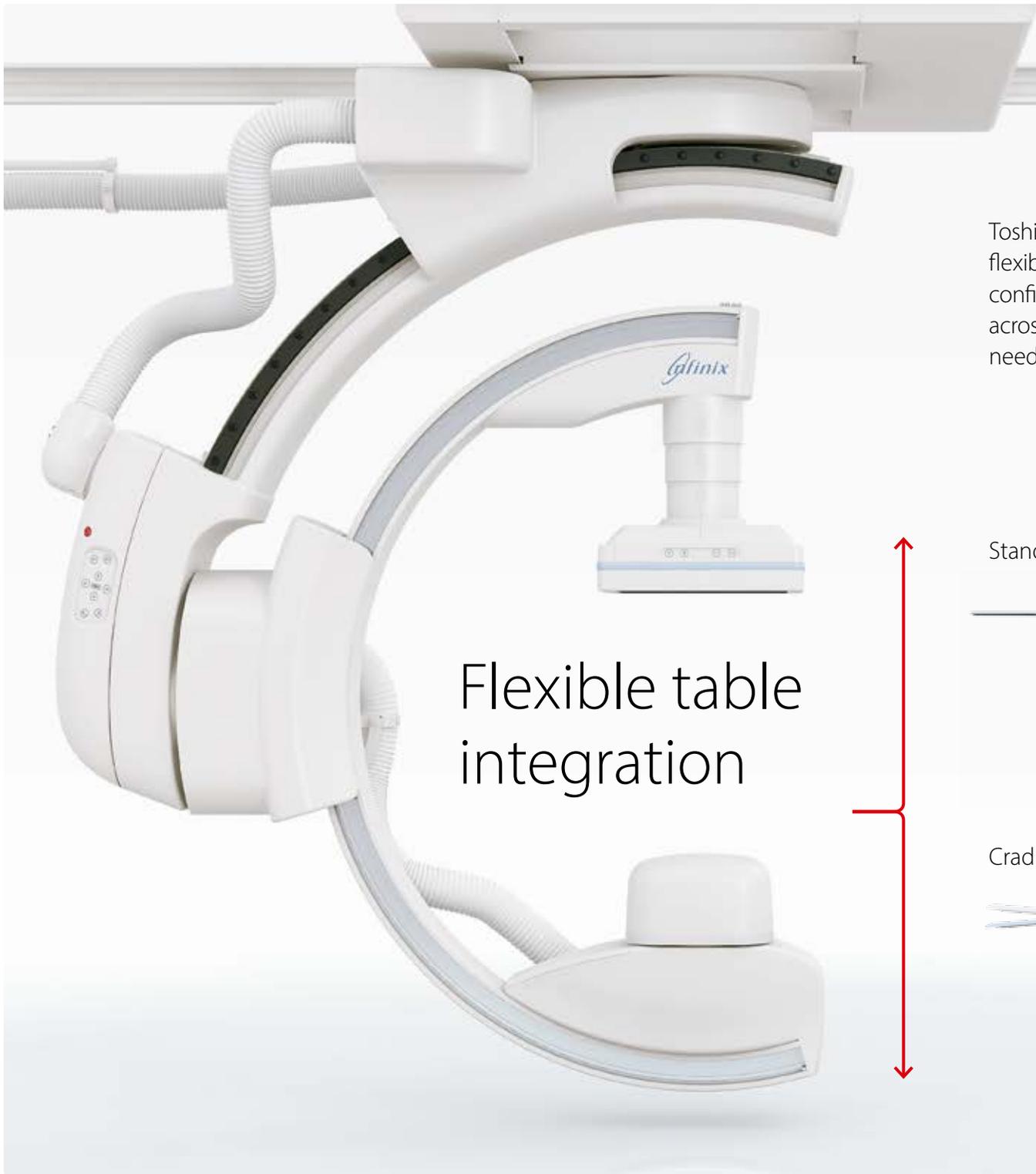
PA/AP flip provides extra space

Infinix-i provides outstanding workflow support. A simple flip of the C-arm into AP orientation allows you to gain additional access space when needed, for instance for long needle lung biopsies.



Local controls for safe operation

Main positioning switches and programmable function keys are provided on all four sides of the flat panel detector and on the C-arm to allow safe operation close to the patient at any time.



Flexible table integration

Toshiba Medicals Infinix-i systems are designed for mechanical flexibility and clinical versatility. The wide range of supported configurations allows you to drive efficient resource utilization across multiple clinical disciplines to precisely meet your clinical needs.

Standard table for interventional lab



Cradle table for hybrid lab



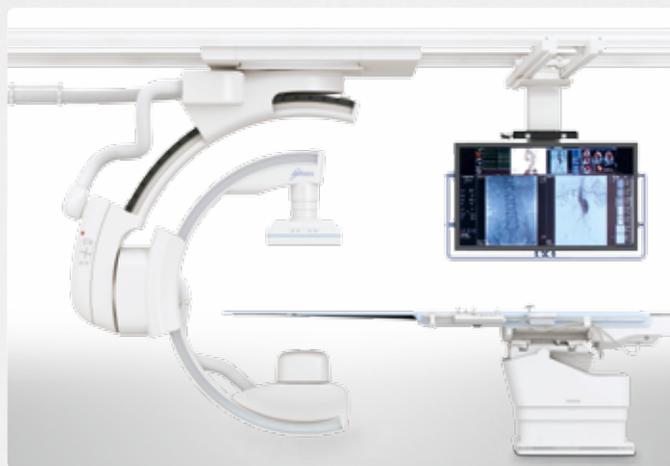
High resolution 3D imaging from head to toe

Infinix-i provides a broad range of advanced 3D applications to create even greater confidence in the ability to carry out image-guided therapies more accurately and efficiently. The revolutionary stacked dual C-arm of Infinix-i Sky + delivers unmatched rotational speed and coverage to produce outstanding 3D image quality with significantly less dose and reduced contrast medium.



Ultrafast C-arm rotation

With an amazing speed of 80° per second and a coverage of 210°, Infinix-i Sky+ is able to acquire outstanding 3D images in less than 3 seconds regardless of the anatomical region.



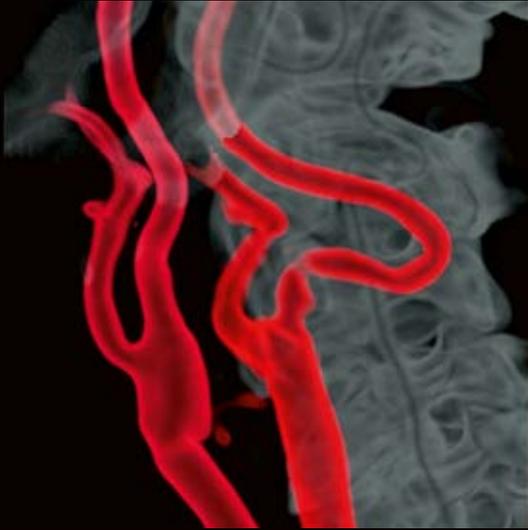
High-speed image acquisition

The system's advanced imaging chain acquires high-resolution cone beam CT volumes in just 10 seconds. Selective ROI reconstruction further helps maximizing visualization.



Enhanced comfort, better patient safety

Faster volume acquisition also leads to minimizing radiation dose, shorter breath-hold times and a significant reduction of contrast medium required to perform an examination.



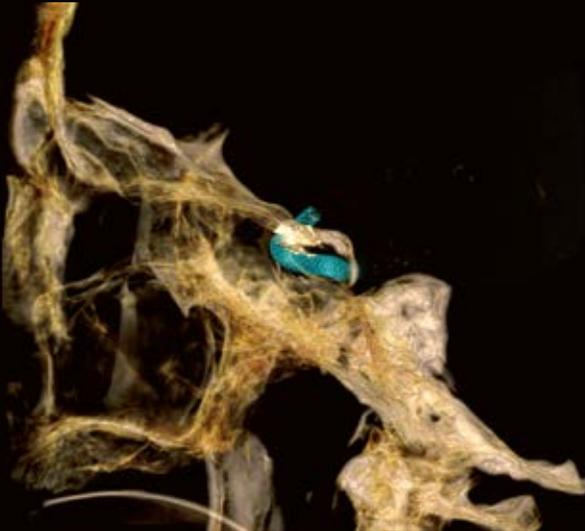
External carotid arteries



Iliac arteries



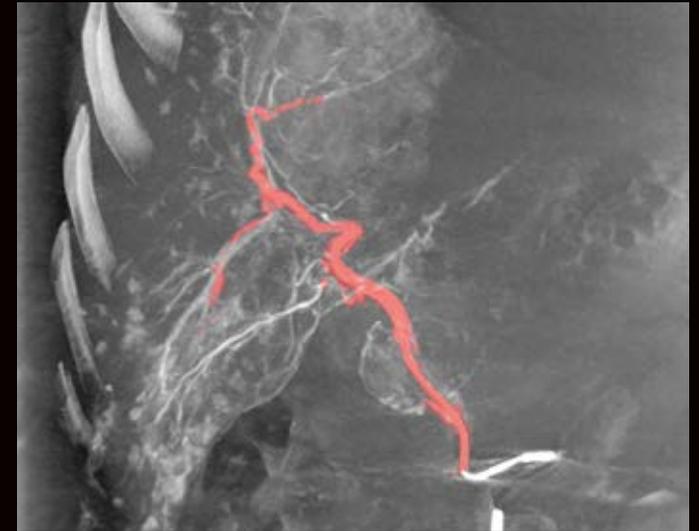
Superior mesenteric artery



Intracranial pipeline stent



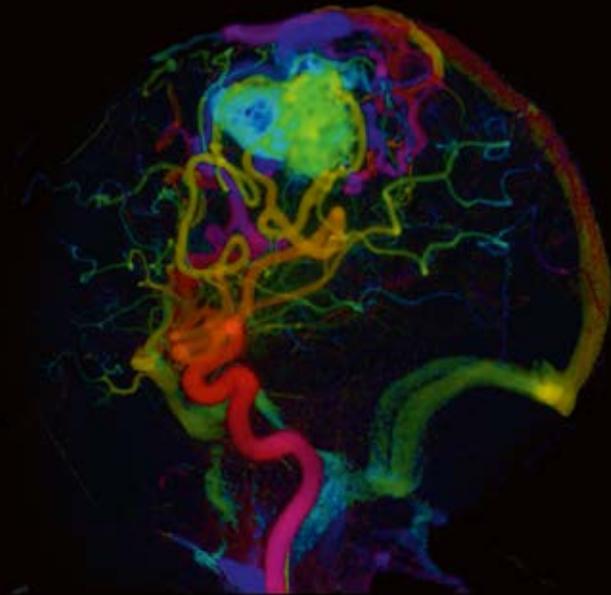
Renal aneurysm



Feeding artery identification during TACE procedure

Advanced tools simplify complex exams

Working in tandem with high-speed C-arm acquisition, high-resolution detectors and a powerful workstation, advanced and exclusive Infinix-i software applications help you achieve the highest image quality at the lowest possible dose. Cutting-edge software packages provide advanced visualization and interventional guidance tools for better and more secure treatment planning.



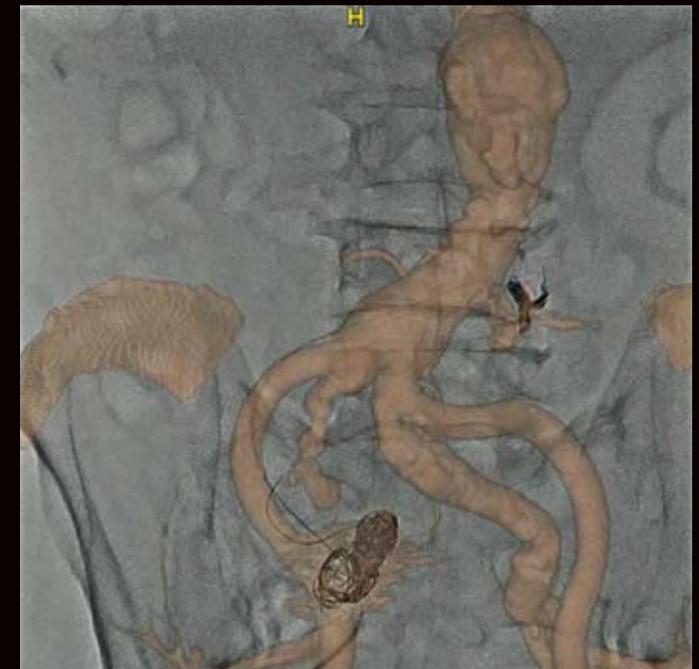
RiteFlow change parametric imaging

Parametric imaging allows you to display an entire image sequence as a single composite image for easier visual evaluation and characterization of contrast media dynamics.



Advanced 3D roadmapping

3D roadmapping enables you to superimpose a reconstructed, device-enhanced 3D image of vessels on the fluoroscopic image, enabling guidewire manipulation or catheterization to be performed while observing the course of the vessels.

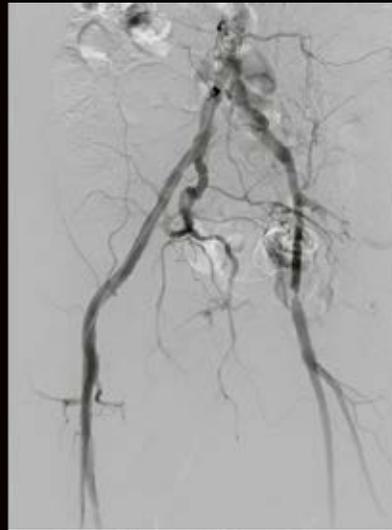


Multi-modality roadmapping

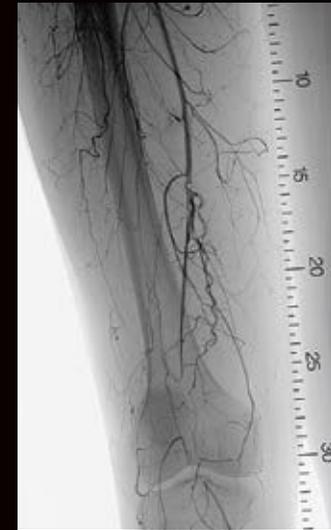
CT/MR modality fusion enables 3D volume data to be superimposed on the live fluoro display, providing additional views of the vascular anatomy to aid you during interventional procedures.



3D image of a spinal artery



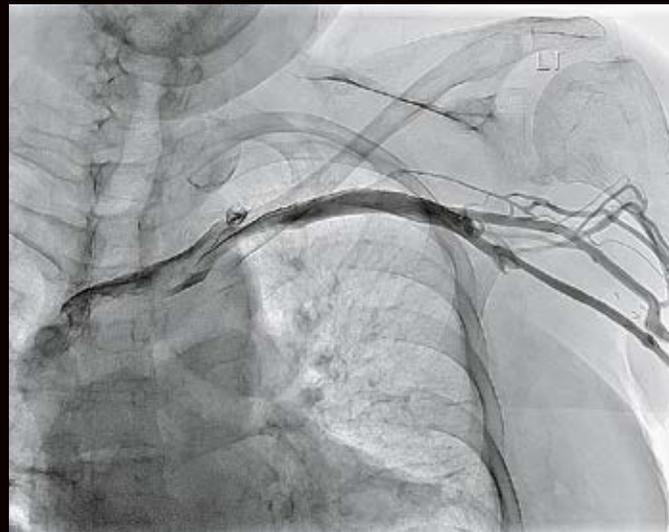
DSA of iliac artery in oblique projection



DSA of lower limb with anatomical landmark



DSA of the liver during TACE procedure



Dynamic trace of subclavian vein



RiteFlow parametric imaging of lower limb

Infinix-i Sky+

Fast, efficient and safe from acquisition to archiving

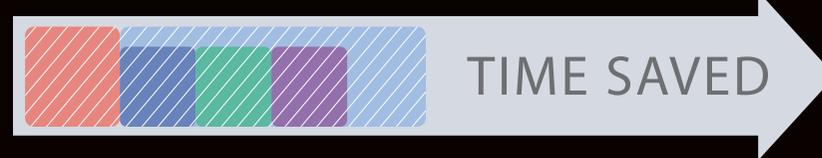
Patient and operator safety, as well as uninterrupted workflow are top priorities for us at Toshiba Medical. In addition to its comprehensive dose reduction and monitoring system, Infinix-i is equipped with a full range of tools and redundancy features to ensure uninterrupted and safe examinations. Post-processing tasks such as image processing and analysis, image transfer or archiving can be carried out at any time without disturbing the ongoing examination.



Conventional



Infinix-i



Patient registration



Imaging procedure



Filming and analysis



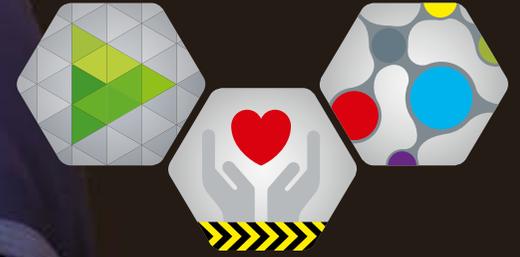
DICOM storage



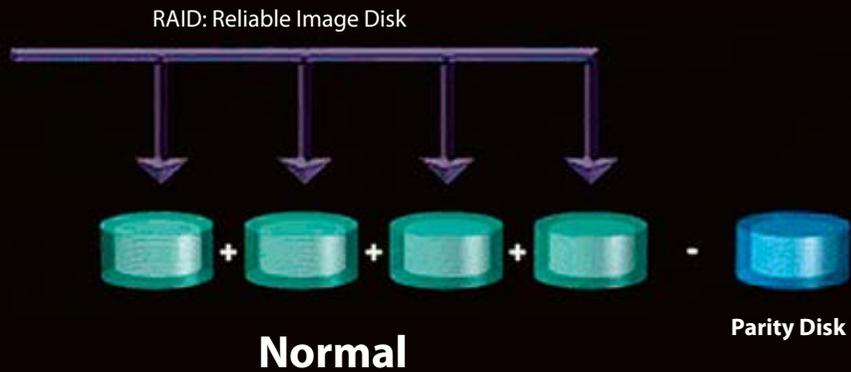
HIS/RIS

Multi-tasking architecture for faster processing

The true multi-tasking architecture of Infinix-i enables you to work in parallel on the console in the control room while carrying out a procedure. This reduces your overall procedure time significantly and therefore saves patient and operator dose.



Fail-Safe Operation



Uncompromized data security

Advanced RAID-5 storage technology is used on the Infinix-i system console to protect clinical data against loss or damage. Should a hard disk fail during the examination, no data is lost thanks to its intelligent mirroring function.

Fail-Safe Operation

Small Focus

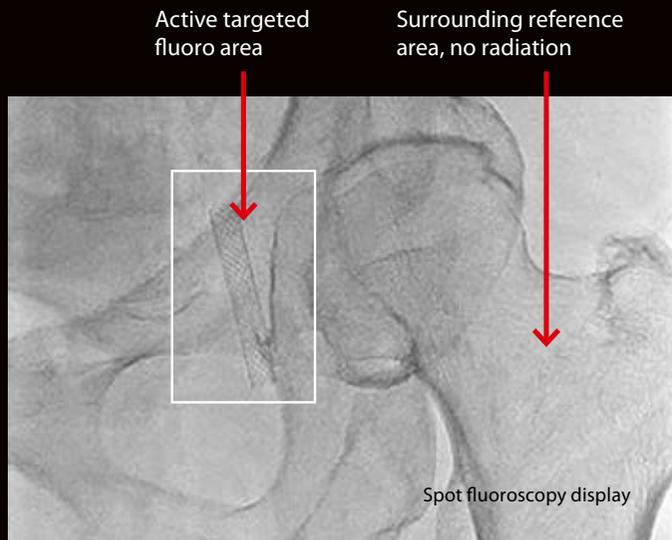


Fail-safe operation with backup focus

Toshiba Medical's unique safety concept for the X-ray tube allows the system to automatically switch to a backup focus in case of a malfunctioning focus during an intervention. Thus, you can immediately continue working without interruption.

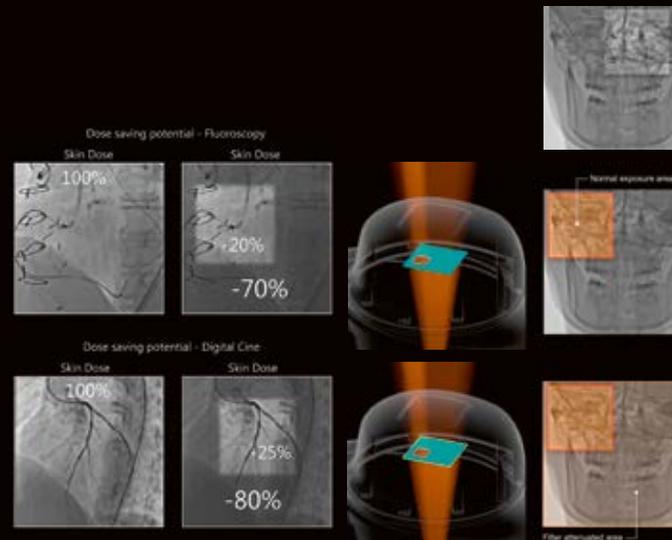
Better protection for patients and clinicians

Dose management is an important issue for everyone. Toshiba Medical has optimized every step of the imaging chain to reduce radiation dose while improving workflow and image quality. DoseRite™ is Toshiba Medical's comprehensive dose management solution. Combining advanced detector design with an array of powerful software features, it provides you with an extensive host of dose-saving and dose management functions.



Spot Fluoro

Spot Fluoro provides asymmetric, lesion-focused collimation while maintaining the full field of information with dose savings of up to 70%.



Spot ROI

Spot ROI helps you minimize the radiation exposure around a fixed ROI without restricting your total field of view. It is easy to use and for Fluoro, DA, DSA and single shot.



Live Zoom

Live Zoom allows magnifying anatomy while performing an intervention without increasing the detector input dose.

Awareness is key for dose-conscious treatment

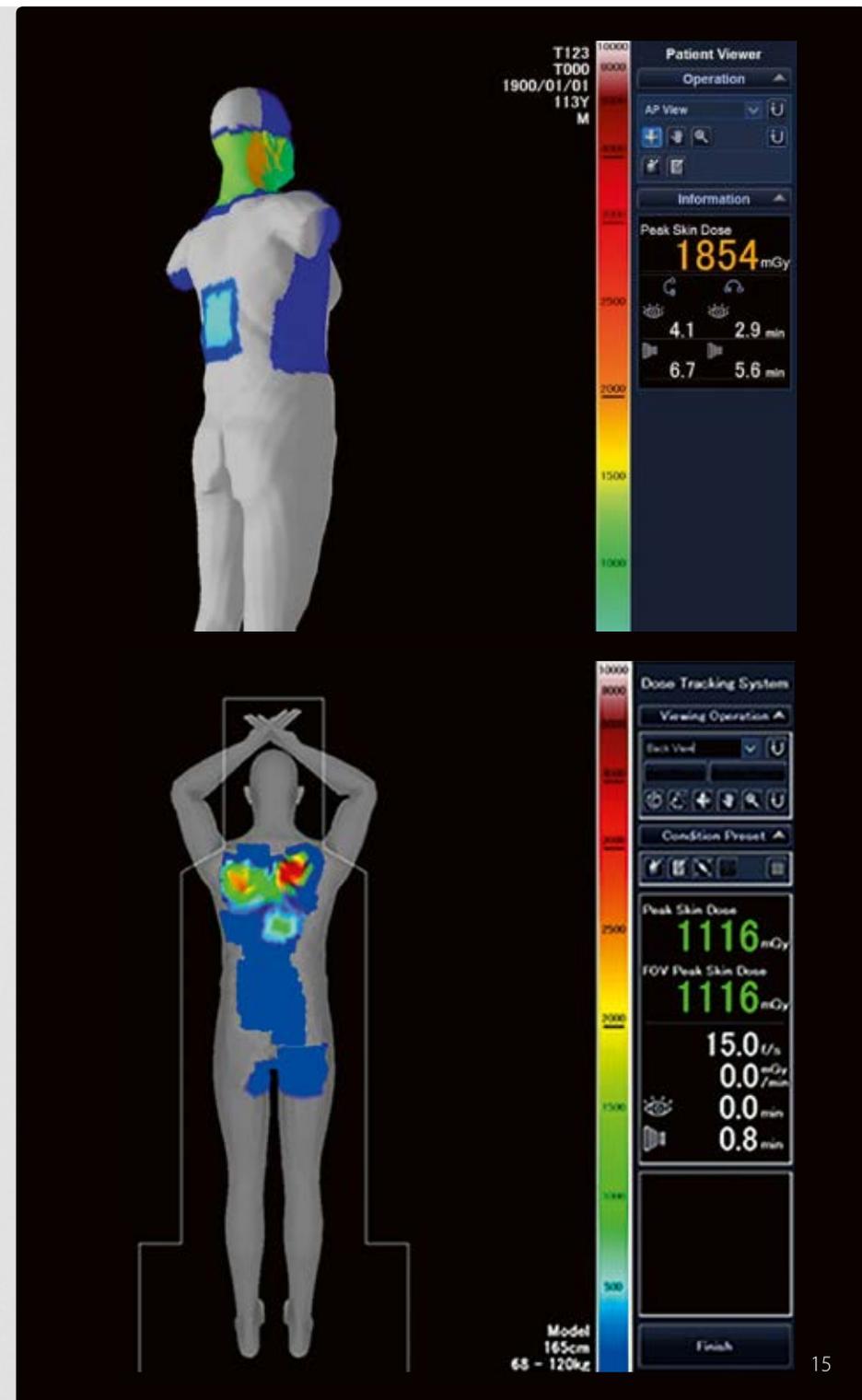
Dose Tracking System (DTS)

Gradual, incremental development of skin reaction with underlying tissue involvement is a typical feature of local radiation injury. In general, the higher the dose received, the more rapid the development of pathological symptoms and the more severe the prognosis.

The revolutionary dose tracking system calculates and displays the skin dose applied to the patient in real-time. It is an awareness tool that helps physicians to avoid the risk of radiation skin injury during a procedure by changing the projection, SID, frame rate or dose rate once predefined dose thresholds have been reached.



Dose Tracking System
Toshiba Medical's unique Dose Tracking System provides continuous real-time information on skin dose delivered to the patient.



Infinix-i Sky+

TOSHIBA MEDICAL SYSTEMS EUROPE

www.toshiba-medical.eu

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