GLOBAL INNOVATION BY DESIGN

For over 130 years Toshiba's research and development has improved the health and welfare of people around the world.

Today, Toshiba Medical Systems offers a full range of diagnostic imaging products and is a reliable service partner in more than 110 countries.

In accordance with our **Made for Life™** commitment, we will continue to develop innovations that improve patient care and provide lasting quality for a lifetime of value.

TOSHIBA – A HISTORY OF LEADERSHIP

1875	Founding of Toshiba
1915	First X-ray tube
1966	First diagnostic ultrasound system
1973	First real-time echocardiograph
1983	First laptop PC
1985	First color Doppler system
1989	First helical CT scanner
1993	First fully digital ultrasound system
1997	First open, superconducting magnet
2003	First 64-slice CT scanner
2004	F&S Technology of the Year award
2007	Shipment of the 190,000th ultrasound unit
2007	World's first Dynamic Volume CT scanner Aquilion ONE

TOSHIBA
Leading Innovation >>>

Xario XG
Prime Ultrasound

Made for Life

TOSHIBA MEDICAL SYSTEMS CORPORATION

http://www.toshibamedicalsystems.com

www.tuv.com
TÜV Rheinland
ID:0091005673

JAB
EMS Accreditation
RE 009

ISO 14001
JACO
EC98J2019

UKAS
ENVIRONMENTAL
MANAGEMENT
051

Toshiba Medical Systems Corporation meets internationally recognized standards for Quality Management System ISO 9001, ISO 13485.

Toshiba Medical Systems Corporation Nasu Works meets the Environmental Management System standard, ISO 14001.

Designed in Europe, printed in Japan.

ULTRASOUND MRI X-RAY CT SERVICES

Smaller footprint.
More punch.

Streamlined workflow, increased performance and reduced footprint. Xario™ XG, the next generation of Toshiba's premium class ultrasound product line, combines optimized design and stunning technology for the most demanding clinical environment.

Xario XG offers premium performance and outstanding utility in a very compact and ultra-portable housing. The system combines the highest level of performance with ergonomic design to meet the high demands of your clinical practice with speed and diagnostic confidence. And its fully featured 3D/4D imaging package extends your diagnostic capabilities into the next dimension of imaging and intervention.

Unrivalled image quality, on-the-fly calculation and complex advanced applications in less time, with better clinical performance. The outstandingly high efficiency of Xario XG is the result of the Intelligent Component Architecture which allows individual system components to operate autonomously while directly communicating for the highest efficiency of real-time data processing.

Featuring the unique iStyle™ ergonomics and workflow package, Xario XG brings new levels of efficiency and convenience to your clinical practice. A fully configurable user interface and an abundance of features that promote operator comfort, ease of movement and streamlined workflow result in faster, more accurate studies and ultimately in a more productive lab.

Toshiba's workstation solution gives you full access to your clinical data and diagnostic tool set for convenient review, reporting and analysis wherever and whenever needed. With full DICOM connectivity including embedded 4D raw data functionality and IHE compliance, Xario XG integrates seamlessly into all networked clinical environments.

Inspiration comes standard with Xario XG.

Xario XG offers uncompromised imaging perform-ance, backed by an abundance of unique, clinically proven technologies. Its full range of advanced imaging functions lets you visualize minute tissue details with precision for a faster, more accurate diagnosis.

Designed to minimize operator stress and to increase efficiency, Toshiba's lightweight trans-ducers feature outstanding clinical versatility, ergonomic shapes and thin, super-flexible cables.

ApliPure™ real-time compounding delivers ultra-sonic images of outstanding clarity and detail in all modes, while preserving clinically significant markers. ApliPure+ further enhances image smoothness and detail delineation to an unrivalled level. Both techniques can be combined with other imaging modes, such as color or spectral Doppler for even greater uniformity within the application.

Differential Tissue Harmonic technology provides images of unsurpassed spatial resolution and contrast, along with greatly increased penetration.

Advanced Dynamic Flow™ adds superior spatial resolution to color Doppler imaging to reveal minute vasculature and complex flow patterns, such as around plaques, with unprecedented accuracy and detail.

With SmartFocus Toshiba is the first to introduce genuine 4D technology to conventional 2D imag-ing transducers. A significantly finer and more uniform ultrasonic beam in all three dimensions results in superb image quality from the very near to the far field.

Xario XG's transducers deliver superb image quality and respond with outstanding flexibility to a wide range of applications.

Xario XG's full-featured 3D/4D imaging package extends your diagnostic capabilities into the next dimension of imaging and intervention by provid-ing accurate renderings and arbitrary volume cuts in real time or offline.

Trapezoid Imaging extends the field of view of transducers to provide a better overview of the region of interest in both greyscale and color Doppler modes.

Panoramic View helps you create wide-view images for improved visualization of widespread regions and anatomical relationships.

Low MI Pulse Subtraction™ provides real-time contrast imaging with outstanding sensitivity in an easy-to-use package for daily practice. MicroFlow Imaging traces small bubble populations resulting in contrast images of stunning resolution and detail.
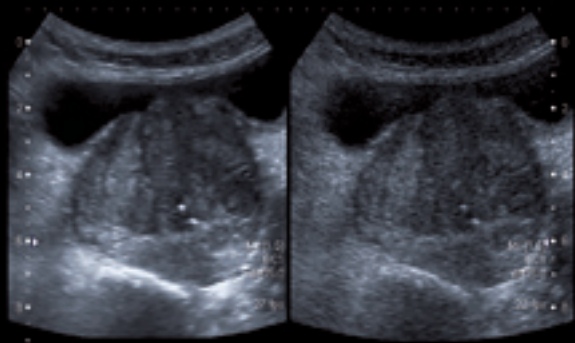
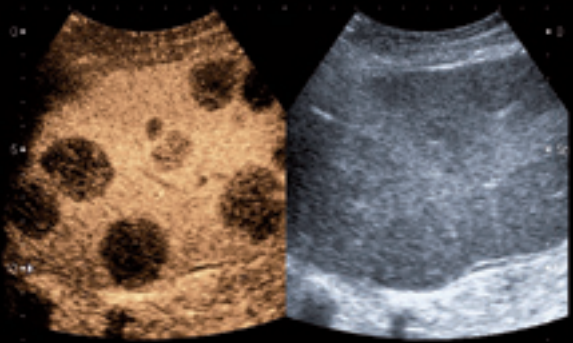3D rendering of a fetal face.
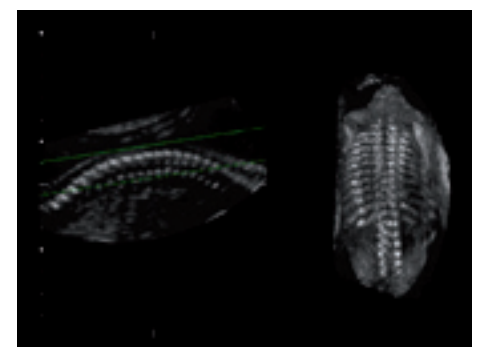
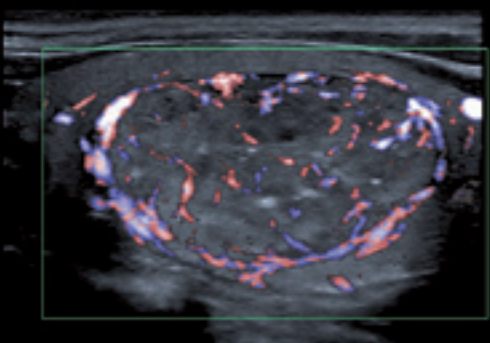VolPure C reconstruction of the fetal spine.

Prostate tumor: ApliPure+ (left) delivers the most coherent tissue information while improving detail definition significantly.


Liver metastases: Real-time contrast imaging (left) facilitates the detection of lesions. The monitor mode (right) helps to maintain the scan plane throughout the entire study.


Thyroid lesion: While ApliPure+ delivers outstanding detail definition of the lesion, ADF depicts its vascularization with great resolution.
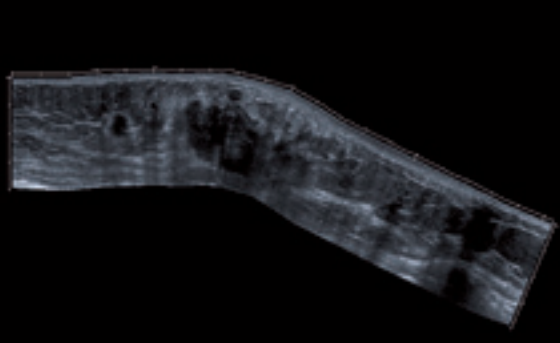

Breast tumor with satellites: Panoramic view facilitates the visualization and documentation of widespread regions of interest in a single image.
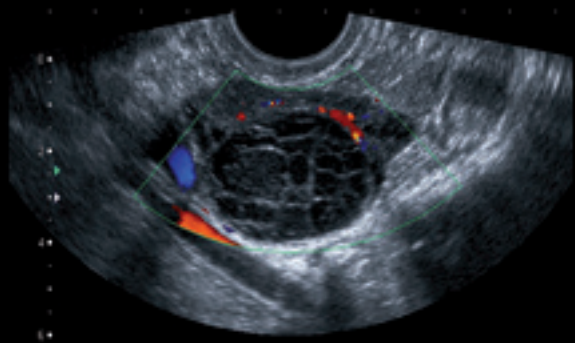

Ovary with corpus luteum cyst: Toshiba's 4D endocavitary transducer delivers excellent performance and quality in all 2D imaging modes as well.
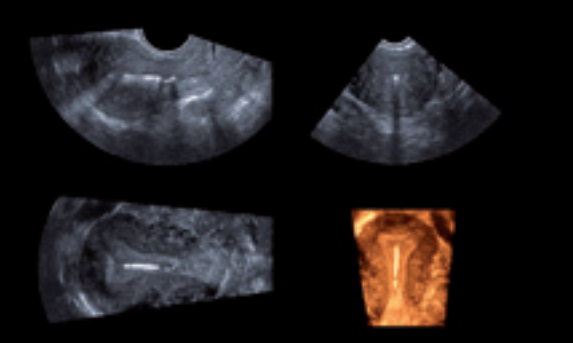
Intra-Uterine Contraceptive Device (IUCD): Correct placement of the UICD can be verified quickly and reliably with Toshiba's state-of-the-art 4D imaging package.
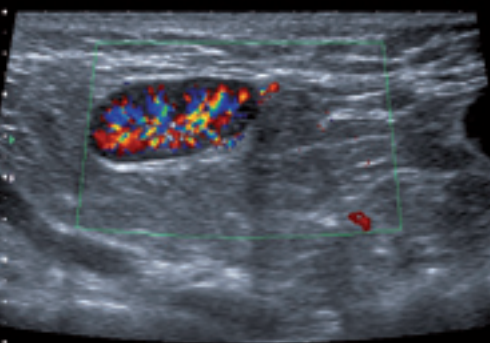

Reactive enlarged lymph node: Trapezoid scan offers an extended field of view in both 2D and color Doppler modes with uncompromised image quality.
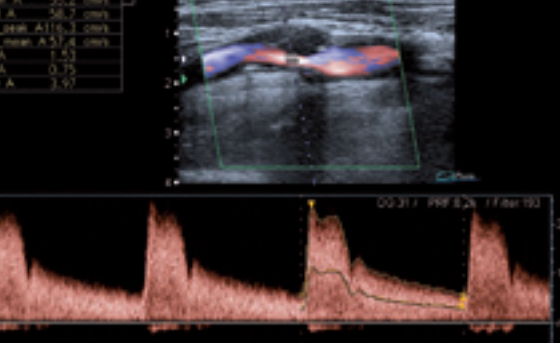

Carotid stenosis: Triplex mode provides easy access to the region of interest; while the automatic Doppler trace feature delivers reliable measurements instantaneously.


Fetal profile: The dedicated high-frequency convex transducer reveals images of outstanding resolution and detail definition.
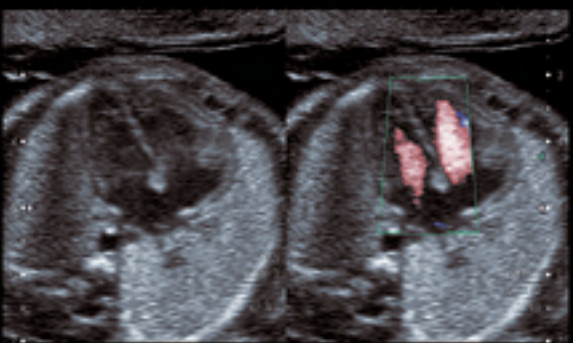
Fetal heart: Xario XG's TwinView™ feature allows for simultaneous assessment of structural defects in B-mode and hemodynamic properties with Advanced Dynamic Flow.
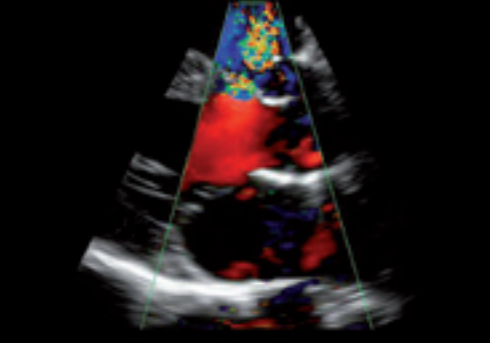
Ventricular septal defect (VSD): Toshiba's exclusive Adaptive Flow Processing technology picks up small turbulent jets with outstanding sensitivity.
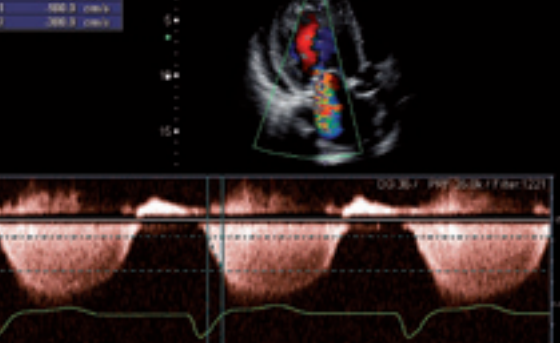
Mitral regurgitation: Complete sets of dedicated measurements allow rapid evaluation and documentation of valve hemodynamics.

Built more intelligently to make your work easier.

With Xario XG, comfort and efficiency translate into higher productivity. The system gives you abundant features that improve operator comfort and efficiency of movement while helping you streamline your workflow.

Xario XG's user interface provides ultra-fast operation with push-button simplicity. Its fully programmable console responds flexibly to user preferences or clinical needs.

Ergonomic User Interface
- High-performance 19" TFT screen with flexible arm and convenient handle
- Fully customizable main panel with exchangeable key tops
- Mode-sensitive touch screen for selecting advanced functions
- Elevating panel adjusts quickly to your eye-level and posture

QuickScan
- Optimizes image quality instantaneously with acoustic precision
- Suppresses white noise in echo-weak regions automatically
- Reduces scan time for a faster, more accurate diagnosis
- Improves consistency of workflow and overall quality of exams

IASSIST™
- Enables full remote system operation using wireless Bluetooth™ technology
- Lessens operator stress by enabling comfortable scanning positions
- Simplifies complex exams with one-button execution of user-defined protocols
- Reproduces complex and routine exams using optimum scanning conditions

Mobile Applications
- Compact, easy-to-move housing with smallest footprint in its class
- Fast standby mode ensures ease of mobility even in acute situations
- Space for integrated peripherals makes system transport safe and simple
- Integrated data management system allows onboard storage and review of exams

One-touch QuickScan helps you to achieve greater workflow consistency in less time. With a simple push of a button you can automatically optimize image quality in 2D and spectral Doppler modes with acoustic precision while suppressing white noise in echo-weak regions.

The iASSIST palm unit with Bluetooth wireless technology optimizes workflow with remote control of the user interface.

Productivity unlimited.

Xario XG's integrated data management system makes it easy for operators to review, archive and share exams. With a wide range of networking and storage functions, Xario XG integrates seamlessly into all clinical environments, improving workflow and enhancing ease of use.

Connect to a world of difference.

Toshiba's promise is simple: As a world leader, we make the extra effort to provide you with solutions that are efficient and versatile. We are reliable partners in helping you drive down costs while improving the quality of patient care.

Our comprehensive service network offers professional support and a full range of service options to help you maximize performance and control expenses.

We take a hands-on approach to education so that you will always get the best from Toshiba technology.

We provide a variety of financing options so you can take advantage of premium medical imaging equipment instantly.

As with all our products, Xario XG is designed and manufactured to meet the highest standards of reliability and environmental friendliness.

Toshiba – a partner you can rely on. Always.

Patient and Image Management System
Enables fast and efficient printing, storage and network transfer of patient data, still images, clips and structured reports.

DICOM Connectivity
Supports all seven DICOM service classes for connectivity with the broadest range of hospital networks.

Patient Browser
Allows for convenient onboard review of studies, including structured reports, and easy export of images and clips to PC-compatible formats.

External Workstation
Enables convenient reporting, storage and review of current or past exams wherever and whenever needed.

Local Documentation
Xario XG comes with a standard optical disk drive and can be equipped with an optional, fully integrated medical printer or high-resolution DVD recorder with Medical Image Viewer for patient administration and post-processing for on-board and offline use. DVI-D interfaces are available for truly digital connection to external devices such as additional monitors.