

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



Aplio XG
SIMPLY MORE INTELLIGENT



TOSHIBA MEDICAL SYSTEMS CORPORATION

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Model number: SSA-790A MCAUS0167EA 2008-01 TME/TMSE



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



Ingenious design, unmatched diagnostic accuracy.

Offering the ultimate in work- and space-saving design, Aplio™ XG is the next generation of Toshiba's reference class ultrasound products specifically designed for the most demanding clinical environments.

Aplio XG simplifies your most challenging demands of diagnostic precision and workflow optimization. A complete host of the most advanced imaging and productivity features make it today's most intelligent solution for satisfying robust imaging requirements while simultaneously boosting your efficiency.

Its award-winning Intelligent Component Architecture allows faster processing of complex data to produce unrivalled image quality and sensitivity. And while it provides sufficient horsepower to drive today's clinical applications at a matchless level of quality, it also has plenty of performance capacity for tomorrow's technology.

Featuring the unique iStyle™ ergonomics and workflow package, Aplio XG brings new levels of efficiency and convenience to your clinical practice. A fully configurable user interface and a comprehensive range of advanced imaging and workflow automation features 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 raw data functionality and IHE compliance, Aplio XG integrates seamlessly into all networked clinical environments.

Exceptional performance, simply superb image quality.

Aplio XG provides outstanding clinical performance backed by a comprehensive array of unique, clinically validated technologies. Its full range of high-performance imaging functions lets you visualize minute tissue details and vascular structures with precision for a faster, more accurate diagnosis.



Aplio XG's transducers deliver superb image quality and respond with outstanding versatility to a wide range of clinical applications.

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

ApliPure™ real-time compounding delivers ultrasonic 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 of performance. Both techniques can be combined with other imaging modes, such as color or spectral Doppler for even greater uniformity within the application.

With SmartFocus Toshiba is the first to introduce genuine 4D technology to conventional 2D imaging 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.

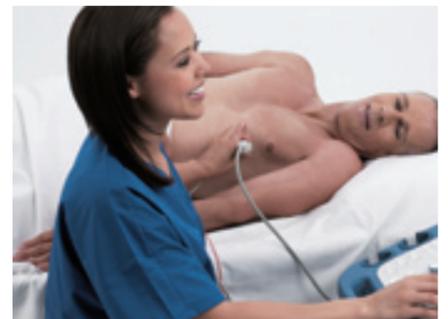
Aplio XG's comprehensive 3D/4D imaging package extends your diagnostic capabilities into the next dimension of imaging and intervention by providing accurate renderings and arbitrary volume cuts in real time or offline.

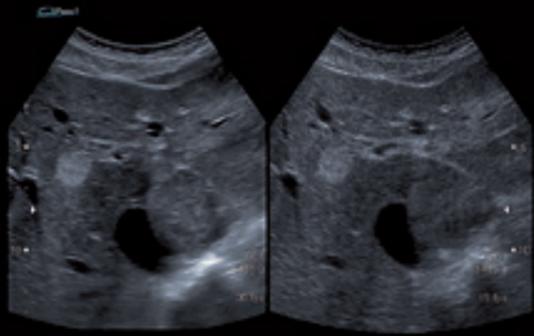
Advanced Dynamic Flow™ adds superior spatial resolution to color Doppler to reveal minute vasculature with unprecedented accuracy and detail.

A whole range of contrast imaging functions allows you to assess perfusion dynamics in a wide range of clinical applications. MicroFlow Imaging traces small bubble populations resulting in contrast images of stunning resolution.

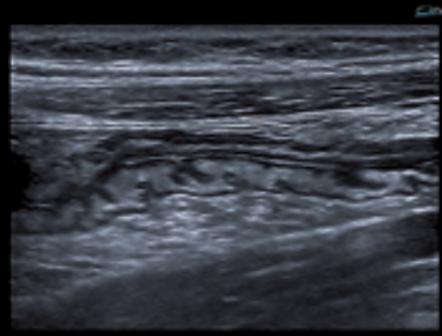
MicroPure™* is a unique technology that can assist you in identifying micro-calcifications, a potential marker for malignancy in breast tumors.

* work in progress

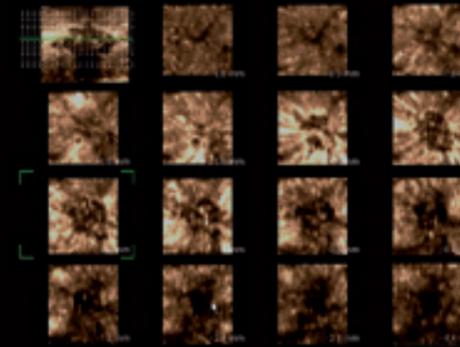




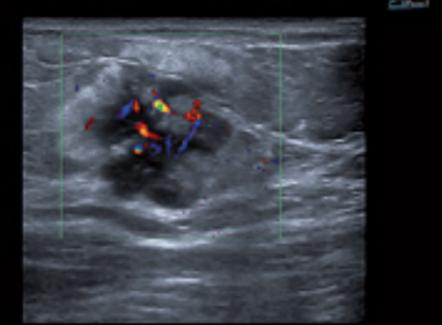
Multiple liver lesions: ApliPure+ (left) improves tissue definition and sharpens the lesions' outline significantly.



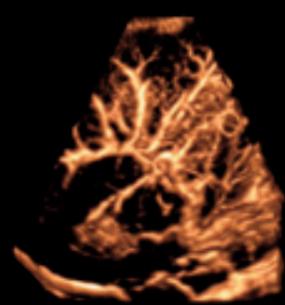
Chronic Crohn's disease: Mural thickening in this rigid segment of the lower colon is depicted with stunning detail resolution by means of ApliPure+.



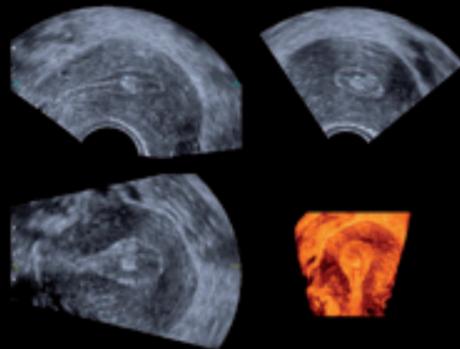
Ductal Carcinoma In Situ (DCIS): The typical stellate pattern caused by tissue retractions can easily be identified in a coronal 3D MultiView image.



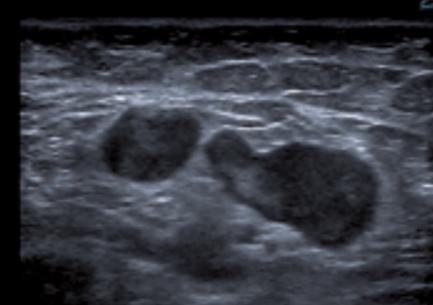
Malignant breast tumor: Color Doppler shows enhanced vascularization, while ApliPure+ brings out minute structural details in the underlying 2D image.



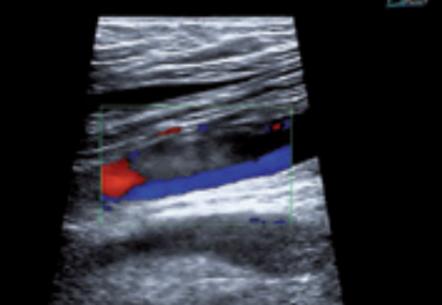
Focal nodular hyperplasia: Size, shape and position of the lesion and its feeding vessels are clearly visible with real time 3D contrast imaging in the early arterial phase.



Endometrial polyp: Multiple simultaneous scan planes enable the user to assess and document the exact size and location of the polyp quickly and reliably.



Axillary lymph nodes: Subtle tissue differences as well as contours become perfectly visible thanks to Toshiba's innovative SmartFocus transducer technology.



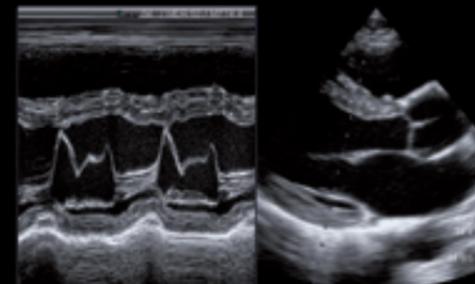
Femoral vein thrombus: Trapezoid scan offers an extended field of view for easy access to the entire region of interest.



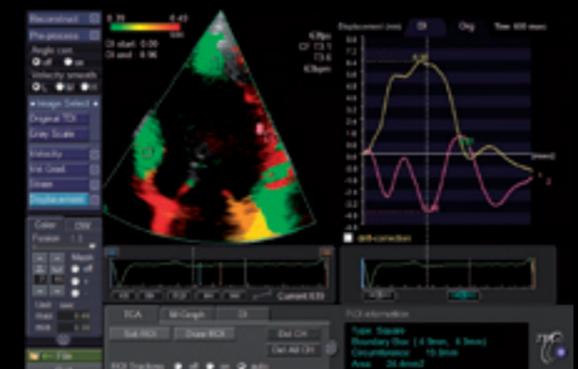
Umbilical cord: Aplio XG's lightweight 4D volume transducers also support all relevant 2D imaging modes, provide excellent performance and superior image quality, also in 2D modes.



12 weeks pregnancy: Even the smallest structural details can be depicted with Aplio XG's high frequency 4D endocavitary transducer.



Normal heart: This parasternal long axis view shows fine detail in both 2D and M modes thanks to QuickScan automated image optimization.



Asynchronous left ventricle: Dyssynchrony Imaging (DI) visualizes the delayed contraction of posterior wall as red; corresponding displacement curves are shown on the right.

Built more intelligently to make your work easier.

Featuring Toshiba's unique and innovative iStyle package, Aplio XG is designed to support you in carrying out your examinations more efficiently and with an ergonomically correct, neutral posture.

From the highly movable panel to the premium quality 19" LCD screen with articulating arm and convenient handle, every aspect of Aplio XG is designed to adjust to your clinical needs and personal preferences.

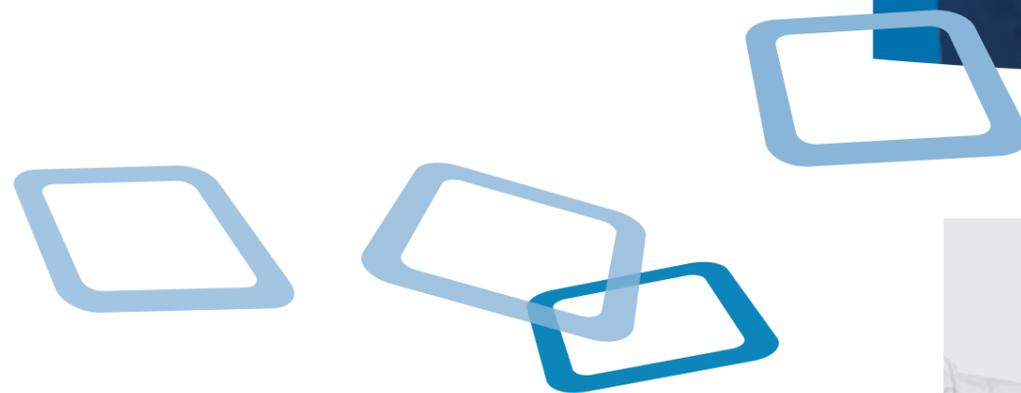
Virtually all buttons on Aplio XG's console can be reassigned to suit your specific clinical requirements and personal preferences resulting in better reach, fewer keystrokes and a shorter learning curve. The mode-sensitive color Touch Command Screen enables you to access advanced functions directly as well.

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.

iASSIST™ supports you in performing technically challenging exams by executing programmable protocols with a simple keystroke. The Bluetooth™-enabled remote control lets you operate the system from a distance.



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



Aplio XG's premium quality 19" LCD display fully rotates and articulates for better viewing and improved accessibility.



You can customize Aplio XG to suit your needs and preferences simply by reassigning functions to the keys of your choice.



QuickScan allows you to achieve greater workflow consistency by automatically optimizing the image quality simply at the touch of a button.

Productivity unlimited.

From imaging to quantification, from reporting to archiving, Toshiba provides a full spectrum solution that helps you manage routine and advanced clinical studies more efficiently.



With full DICOM connectivity and IHE compliance, Aplio XG integrates seamlessly into all kinds of networked clinical environments. Its fully integrated patient management system allows convenient on-board review of studies including structured reports, and easy export of data to PC-compatible formats.

Aplio XG's optional Video Streaming Recorder (DVD-VSR) stores up to four hours of high definition video on DVD. The appertaining Medical Image Organizer provides full patient administration and post-processing functionality for on-board and offline use.

Designed to work seamlessly within an existing network installation, Toshiba's offline workstation enables full access to all studies anytime and anyplace. With embedded raw data functionality and a host of clinical tools you can review, analyze, report and archive your data quickly and easily.

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, Aplio XG is designed and manufactured to meet the highest standards of reliability and environmental friendliness.

Toshiba - a partner you can rely on. Always.

