

## 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 190,000<sup>th</sup> ultrasound unit
- 2007** World's first Dynamic Volume CT scanner Aquilion ONE™



**Nemio XG**  
PREMIUM COMPACT ULTRASOUND



**TOSHIBA MEDICAL SYSTEMS CORPORATION**

<http://www.toshibamedicalsystems.com>

©Toshiba Medical Systems Corporation 2008 all rights reserved.  
Design and specifications are subject to change without notice.  
Model number: SSA-580A MCAUS0186EC EC 2008-06 TME/TMSE

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

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

Made for Life, Nemio, Dynamic Flow, ApliPure, iStyle and Aquilion ONE are trademarks of Toshiba Medical Systems Corporation.

Printed in Europe

**Nemio XG**

# Diagnose with speed - decide with confidence

Nemio™ XG, the next generation in premium compact ultrasound, is designed to help you get the information you need to make the right decisions quickly and with ease.



Outstanding image quality, streamlined workflow and a wide range of clinically validated high-performance features give you the power to carry out your exams with more safety and efficiency. Nemio XG's fully digital architecture provides outstanding image quality with superb resolution and excellent sensitivity in a small package that delivers big performance.

Featuring the unique iStyle™ ergonomics and workflow package, Nemio XG brings new levels of efficiency and convenience to your clinical practice. Nemio XG's integrated data management system makes it easy for you to review, archive and share your exams. With a wide range of networking functions, Nemio XG integrates seamlessly into any clinical environment.

A complete range of broadband, multifrequency transducers fits a wide variety of clinical settings. Proprietary chip-in-the-tip technology optimizes the signal-to-noise ratio to provide superb image quality and Doppler sensitivity.



Nemio XG offers premium performance backed by unique, clinically validated technologies for a fast and secure diagnosis. A wide range of advanced clinical applications further expands your diagnostic capabilities.

ApliPure™ real-time compounding delivers images of excellent resolution and unmatched penetration while preserving all clinically significant markers.

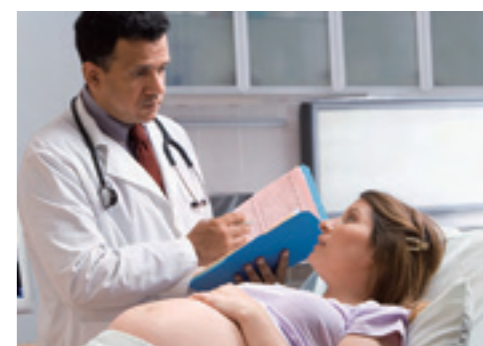
Advanced Dynamic Flow™ adds superior resolution to color Doppler and depicts even tiny vessels or flow around plaques with outstanding accuracy and detail.

Panoramic View reconstructs a single wide-view frame from continuous images for improved visualization of widespread regions and anatomical relationships.

Trapezoid Imaging extends the field of view for a better overview of the region of interest in both grayscale and color Doppler modes.

3D/4D Imaging extends your diagnostic capabilities into the next dimension of imaging by providing accurate renderings and arbitrary volume cuts in real time or offline. The extensive 3D measurement and annotation package allows for advanced assessment and comprehensive documentation.

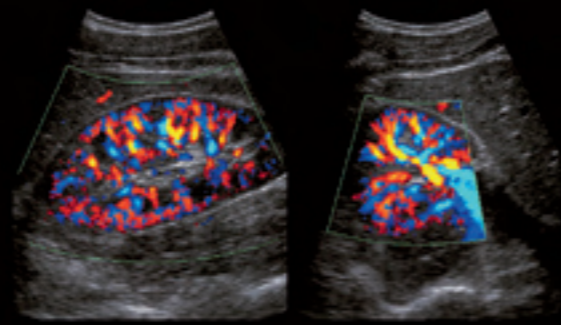
Tissue Doppler Imaging and Stress Echo are valuable tools for an in-depth investigation of cardiac function.







**Pancreas:** Imaging at 6 MHz provides excellent spatial resolution and clear delineation of the pancreatic head.



**Native kidney:** Normal perfusion can be imaged with outstanding sensitivity using Directional Color Angio.



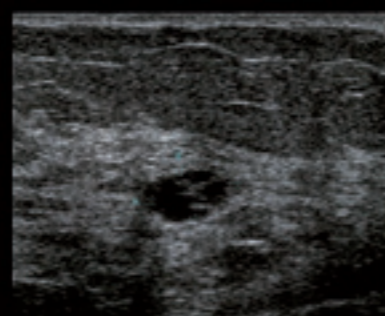
**Pericallosal artery in 3rd trimester of pregnancy:** Advanced Dynamic Flow depicts flow with outstanding resolution and sensitivity.



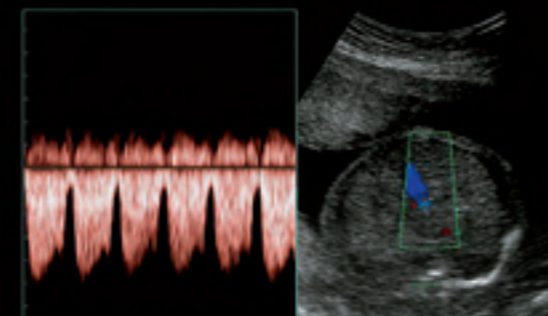
**Fetal head and arms:** Fine details of the fetal anatomy come to life when presented in easy-to-obtain 3D/4D renderings.



**Aorta, celiac trunk and SMA:** Tissue Harmonic Imaging and QuickScan provide optimal image quality instantaneously.



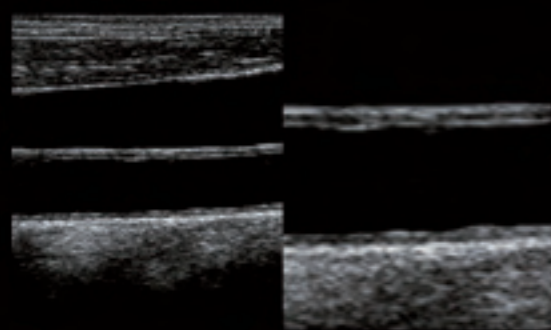
**Mammal cyst:** Depicted with high resolution and fine detail using a 14 MHz transducer.



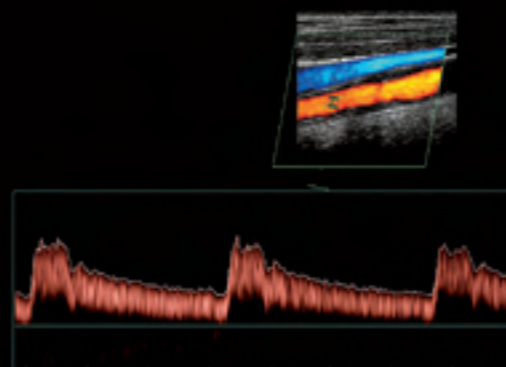
**Ductus venosus:** Color Doppler permits the sample volume to be placed quickly and precisely in this 22-week pregnancy.



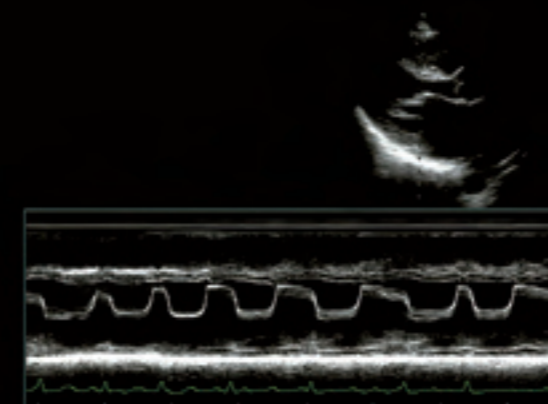
**Fetal renal flow:** Advanced Dynamic Flow shows flow in the renal arteries, aorta and bifurcation with unparalleled resolution.



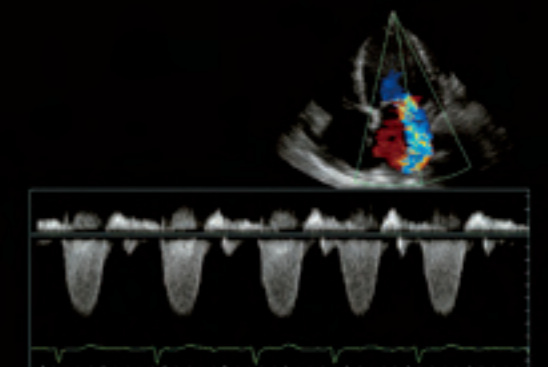
**CCA with irregular intimal layer:** Freeze zoom and ApliPure maintain excellent resolution to allow in-depth assessment.



**ICA soft plaque:** The normal Doppler spectrum confirms that there are no hemodynamic effects due to the decreased lumen.



**Mitral stenosis:** Tissue Harmonic Imaging provides superb resolution and detail in both 2D and M mode images.



**Mitral regurgitation:** XBT transducer technology offers exceptional sensitivity as demonstrated in the CW Doppler trace.

# Boost your productivity and accomplish more



Nemio XG combines ultra-fast operation with push-button simplicity. It is very compact and mobile, boots up in just seconds and fits perfectly the way you work. Its fully programmable user interface responds flexibly to your preferences and clinical needs to help you streamline your workflow. Finally – a system that adapts to your needs, and not the other way around.

Nemio XG's 15" high resolution TFT screen with flexible arm and convenient handle provides state of the art display technology combined with outstanding ergonomics.

Nemio XG's unique SonoSet feature lets you carry out routine exams by executing freely programmable protocols simply with the touch of a button. SonoSet also combines multiple operations into a single keystroke. This unique tool can make standard scans easier and a lot faster.

QuickScan optimizes the image quality at the touch of a button. This reduces scan time and improves the consistency and quality of exams.

The convenient on-board reporting function with user-definable templates lets you document your findings immediately, directly on the system.

Nemio XG stores clinical data to hard disk, DVD, USB or network drives in both DICOM and PC compatible formats to integrate seamlessly into any clinical environment.

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

Toshiba - a partner you can rely on. Always.

