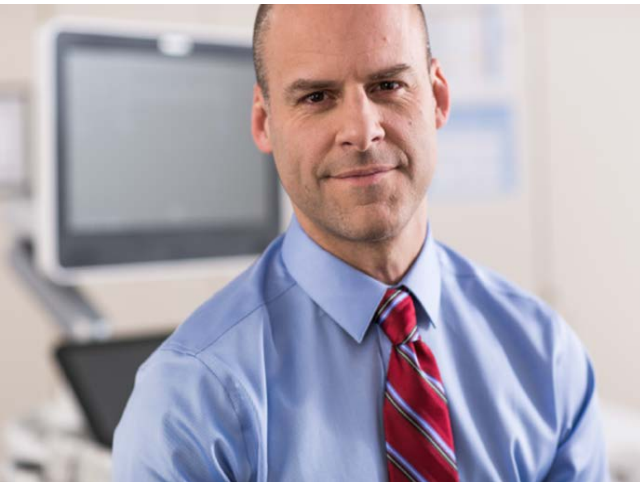




Affiniti 70

It understands your everyday

You always go above and beyond to provide the best care to your patients. But you are expected to do so with less time, fewer resources, and higher patient volumes. The care you want to provide deserves tools that can set you ahead and stay ahead.



Introducing Philips Affiniti 70

It understands your everyday

Engineered for efficiency and reliability, and powered by Philips proven performance, Affiniti 70 brings you outstanding image quality, advanced features, and walk-up usability. All in an elegant, easy-to-use design with the broad applicability you need.

New Philips Affiniti 70

It understands your everyday.



Philips Affiniti 70

Superb Clinical Versatility



Philips Affiniti supports a wide range of small, light-weight transducers that can be shared across our premium EPIQ, Sparq, CX30, and CX50 compact systems.

- Abdominal
- Obstetrical
- Fetal echo
- Cerebrovascular
- Peripheral vascular
- Abdominal vascular
- Temporal TCD
- Gynecological and fertility
- Small parts and superficial
- Musculoskeletal
- Pediatric general imaging
- Prostate
- Adult echocardiography
- Pediatric echocardiography
- Stress echocardiography
- Adult transesophageal
- Surgical imaging
- Interventional imaging
- Contrast imaging
- Bowel imaging
- Elastography

Philips Affiniti 70

Workflow meets wow



**CONFIDENT
THROUGHPUT**

EXPERIENCE

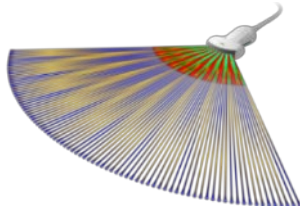
**TOTAL COST
OF OWNERSHIP**

Affiniti 70 for General Imaging

A powerful combination of performance and workflow to help you make a quick confident diagnosis



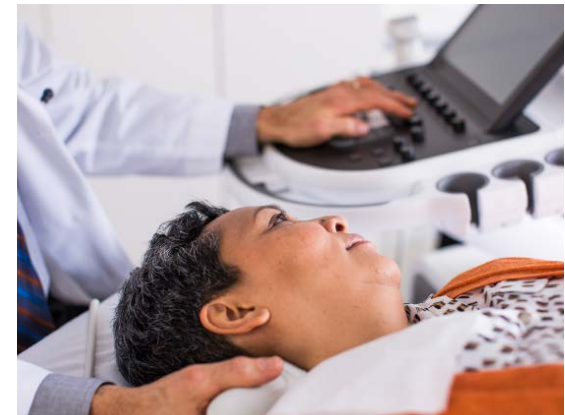
CONFIDENT
THROUGHPUT



Transducer technology

C5-1, C9-2,
L12-3, S5-1,
C10-3v
PureWave

C6-2, L18-5,
L12-5, L12-4,
S4-2, C9-4v



PureWave

Increased penetration in technically difficult patients (TDP) so that **one transducer can provide detailed resolution and diagnostic confidence on easy patients as well as TDPs.**

Broadband

Great image quality and detailed resolution for **diagnostic confidence at a low price point.**

Tissue-Specific Preset (TSP)

The combination of transducer optimization for specific exams, along with Affiniti 70 precision beamforming provide excellent image quality with **little or no need for image adjustment.**

All the capabilities needed for day-to-day applications, plus advanced features and automation that enhance exam efficiency and simplify workflow.

- **Elastography, CEUS**
- **Auto Doppler, AutoSCAN, SmartExam**

Improving Diagnostic Confidence on Technically Difficult Patients



CONFIDENT
THROUGHPUT

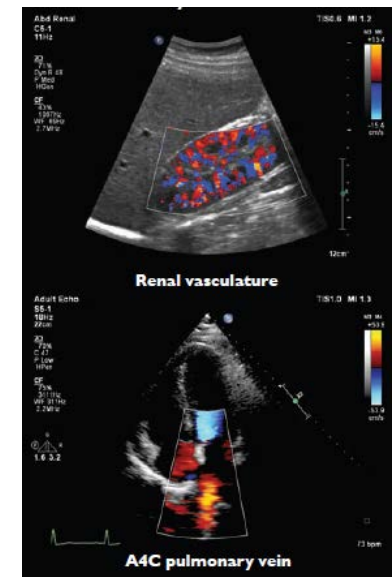
Philips Affiniti 70 ultrasound system delivers PureWave imaging across all major clinical segments

Affiniti 70 is the only system in its class with PureWave imaging across all major clinical segments. PureWave transducers are designed to increase penetration in technically difficult patients, so that each transducer can provide diagnostic confidence on easy patients as well as difficult patients.



Transducers include:

- PureWave C5-1 and C9-2 for abdominal and OB exams
- PureWave S5-1 for cardiology and transcranial applications
- PureWave C10-3v for early obstetrical and gynecological exams



Philips Affiniti 70

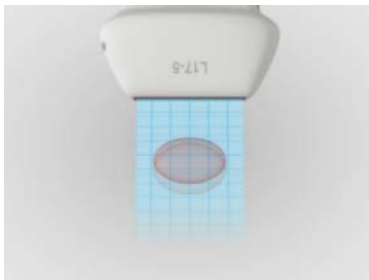
Elastography



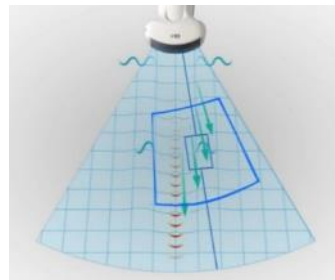
CONFIDENT
THROUGHPUT

More definitive clinical information about tissue stiffness

- Affiniti 70 is the only system in its class that supports both strain and shear wave elastography to assess tissue stiffness; highly sensitive strain imaging requires no external compression and can be used to assess relative tissue stiffness across a variety of applications, including small parts, breast, and gynecology
- ElastPQ shear wave elastography utilizes unique pulsing schemes to generate and measure the propagation speed of shear waves through tissue, which produces an absolute measure of tissue stiffness that has proven helpful to clinicians in assessing diseases such as liver fibrosis; easy to use and reproducible, ElastPQ shear wave is a simple and easy method to help monitor patients at risk for liver disease and potentially reduce the number of painful and expensive biopsy procedures



Strain elastography



Shear wave elastography



Philips Affiniti

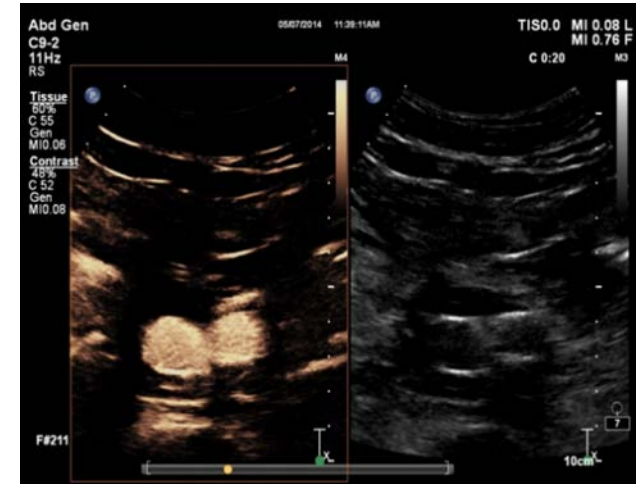
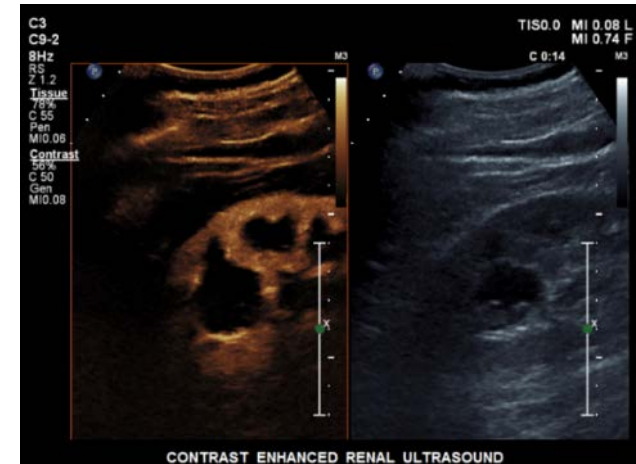
Contrast enhanced ultrasound (CEUS)*



CONFIDENT
THROUGHPUT

Dynamic organ and tumor assessment in real time

With Affiniti 70, you can easily add contrast-enhanced ultrasound (CEUS) to nearly any exam. Affiniti 70 provides immediate optimization of CEUS studies and exceptional performance across multiple agents and applications, which allows for dynamic assessment of organ and tumor perfusion in real time.



Philips Affiniti 70



CONFIDENT
THROUGHPUT

2D Anatomical Intelligence

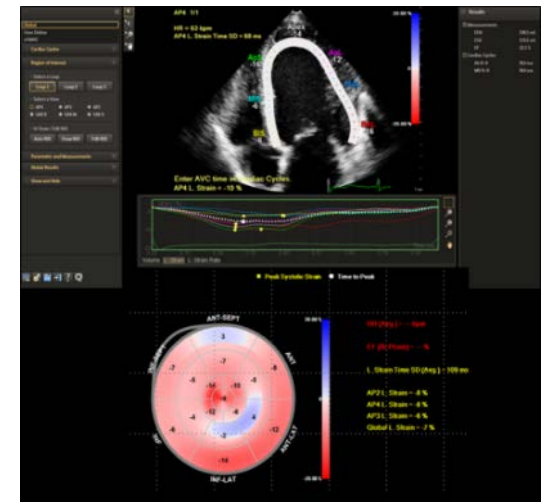
Automation that leads to everyday efficiency.

a2DQ^{A.I.} for AutoEF

- Rapid access to validated 2D EF and volumes—calculated using Biplane Simpsons Method of Disks
- Fast—10 seconds to get EF

aCMQ^{A.I.} for GLS and EF

- Rapid access to Global Longitudinal Strain from all 3 apical views
- AutoEF calculated simultaneously with no extra steps



Philips Affiniti 70

Comfort meets competence



**CONFIDENT
THROUGHPUT**



**CONFIDENT
THROUGHPUT**

EXPERIENCE

**TOTAL COST
OF OWNERSHIP**

Philips Affiniti 70

Designed around your everyday with walk-up usability, ergonomics, and mobility



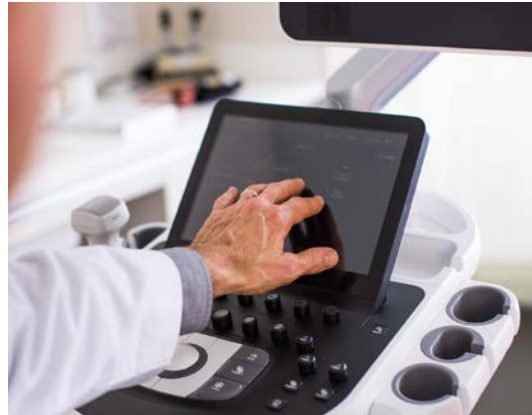
EXPERIENCE



Walk-up usability

Users with ultrasound experience **require minimal training on system use** to be able to complete an exam.

Intuitive tablet-like interface **reduces reach and button pushes.**



Ergonomics

180 degrees of articulation for the control panel and **largest in its class 21.5" monitor (54.6 cm)** allow for scanning comfort.

Library quiet.

Easy clip, our innovative cable management solution, keeps cables **tangle- and damage-free**, while decreasing cable strain for improved comfort while scanning.



Mobility

One of the **lightest in its class**, at just **184 pounds (83.5 kg)**, Affiniti 70 can be easily transported.

Wake the system from **sleep mode** and start scanning in just seconds.

Philips Affiniti 70

A smart investment



**CONFIDENT
THROUGHPUT**

EXPERIENCE

**TOTAL COST
OF OWNERSHIP**

Philips Affiniti 70

Reliability, sustainability, and support services to enhance your ownership experience



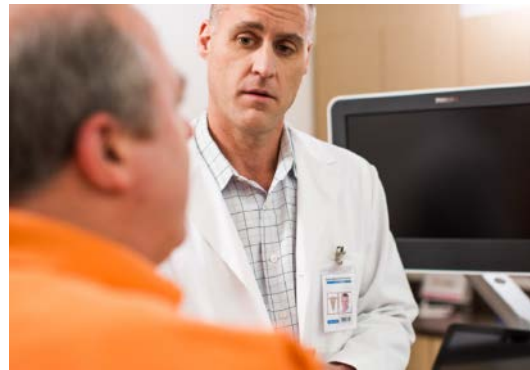
TOTAL COST
OF OWNERSHIP



Enhanced serviceability and durability

Affiniti features a **superior modular design** for improved reliability, rapid repair, and enhanced system uptime.

The system is built to last for the daily rigors of high patient volume with 4,500 hours of **rigorous system testing**.



Support services*

Predictive service models such as proactive monitoring, remote desktop provide high system availability and enhanced workflow.

Service support, financing programs and educational offerings give you peace of mind to get the most out of your system.



Energy-efficient

Affiniti 70 consumes **less energy than a toaster**, and may help you save on energy and cooling costs.

It consumes nearly **60% less energy** than its predecessor.



Philips Affiniti 70

It understands your everyday.

PHILIPS



Abdominal

Abd Gen
C6-2
50Hz
RS

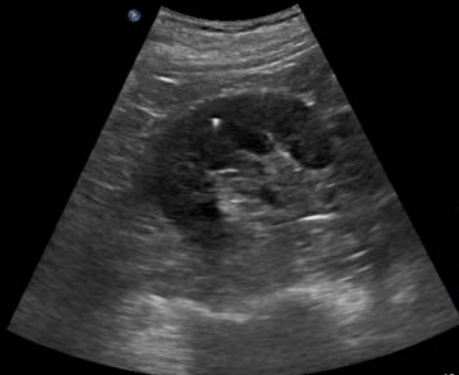
2D
48%
Dyn R 55
P Low
Gen

TIS0.2 MI 0.8

M3

T2
L12-5
26Hz
RS

2D
33%
Dyn R 65
P Low
Res



RENAL CALCULI

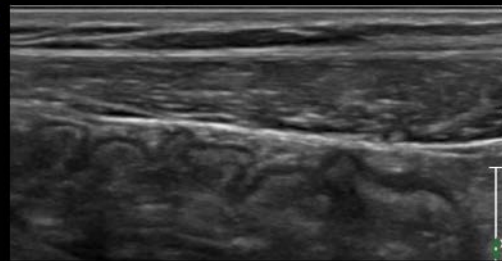
12cm

TIS0.0 MI 0.7

M2

Abd Gen
C6-2
49Hz
RS

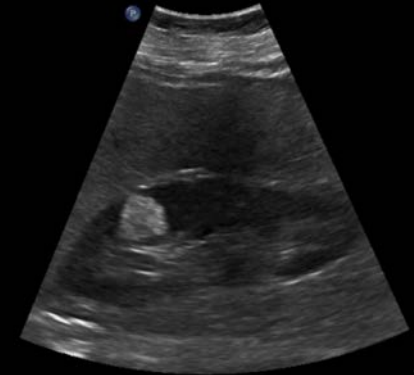
2D
50%
Dyn R 55
P Low
Gen



BOWEL WALL

TIS0.2 MI 0.9

M3



RIGHT KIDNEY

14cm

Abd Gen
C6-2
38Hz
RS

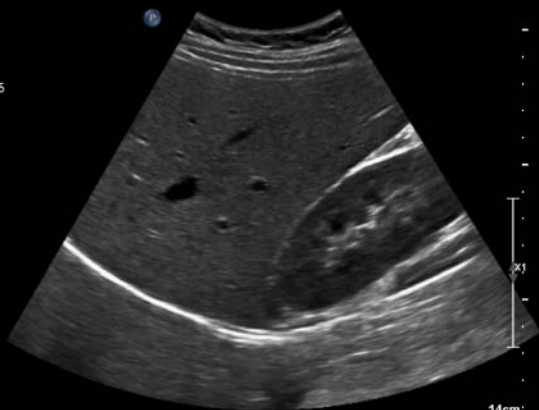
2D
51%
Dyn R 55
P Low
Gen

TIS0.1 MI 0.9

M3

Abd Gen
C9-2
29Hz
RS

2D
55%
Dyn R 55
P Low
Gen



LIVER

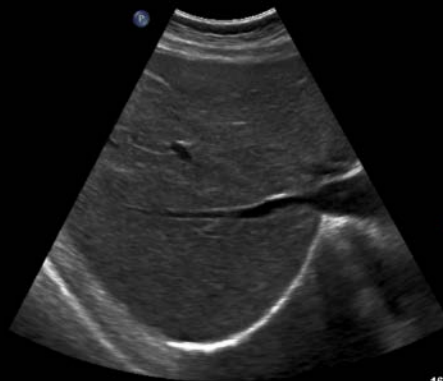
14cm

TIS0.6 MI 0.9

M3

Abd Gen
C6-2
37Hz
RS

2D
52%
Dyn R 55
P Low
Gen



LIVER

16cm

TIS0.2 MI 0.9

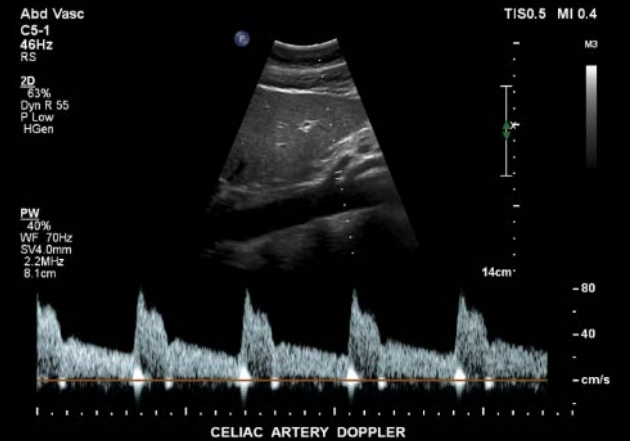
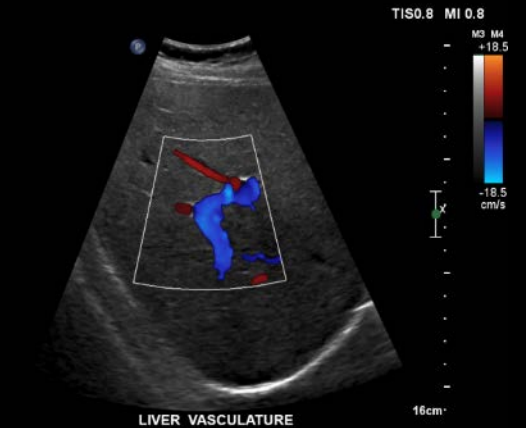
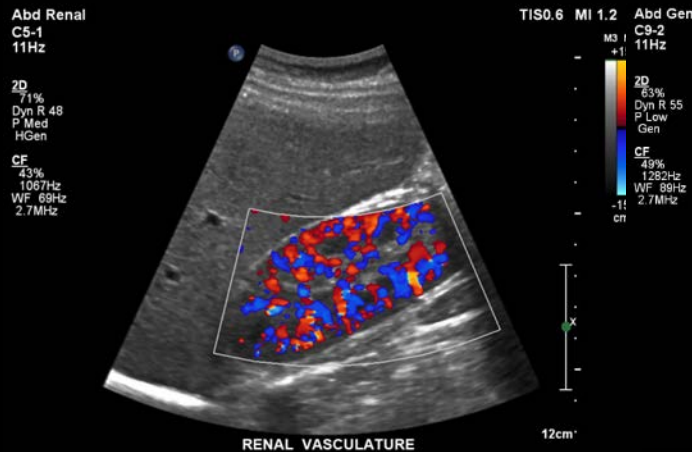
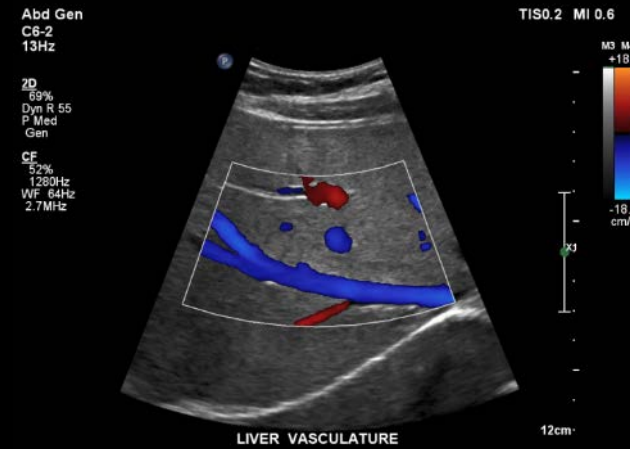
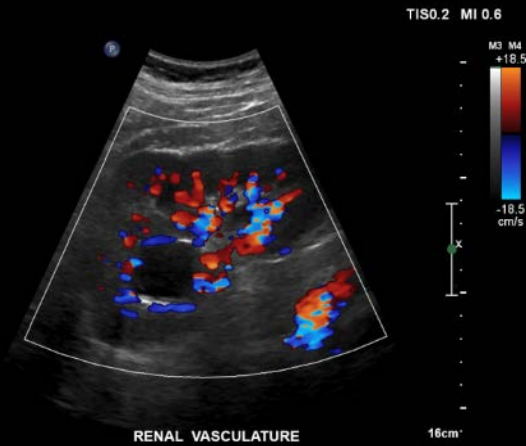
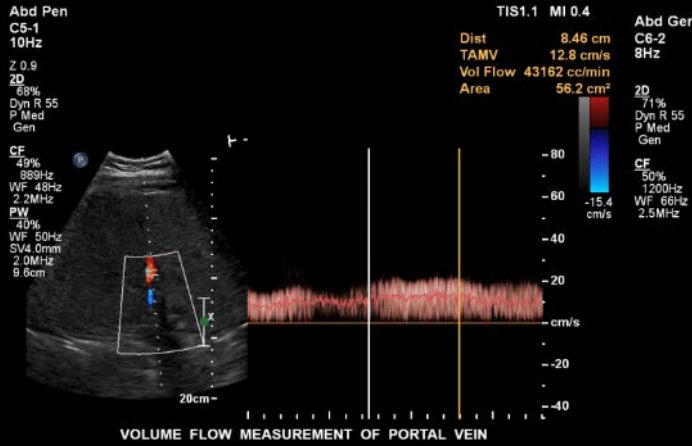
M3



KIDNEY / LIVER INTERFACE

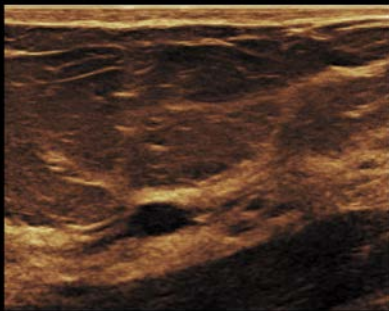
16cm

Abdominal Vascular



Breast

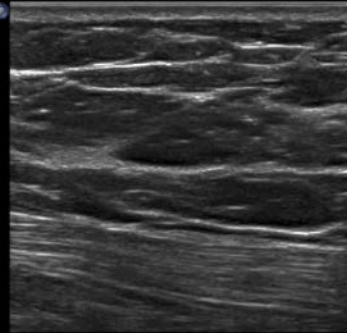
Breast
L18-5
16Hz
RS
2D
53%
Dyn R 70
P Med
Res



BREAST LESION

TISO.1 MI 0.8

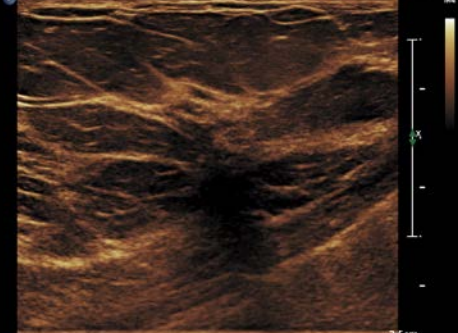
Breast
L12-4
47Hz
RS
2D
60%
Dyn R 59
P Med
Res



BREAST

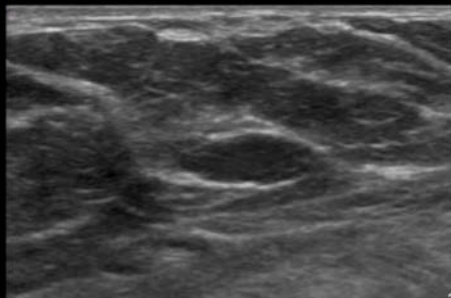
TISO.1 MI 0.6

Breast
L18-5
16Hz
RS
2D
51%
Dyn R 68
P Med
Res



BREAST LESION

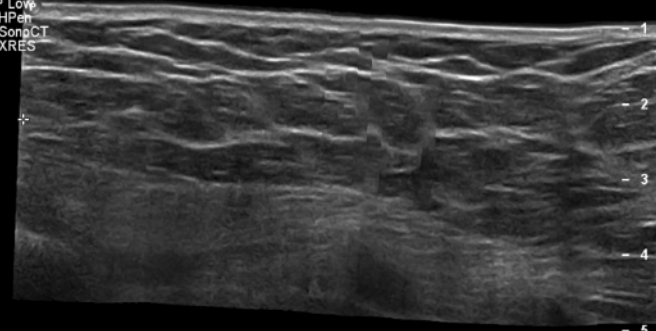
Breast
L12-5
61Hz
R1
Z 1.1
2D
38%
Dyn R 58
P Med
Res



FIBROADENOMA

TISO.0 MI 0.7

Breast
VL13-5
32Hz
RS
2D
C 67
P Low
HPen
SonoCT
XRES



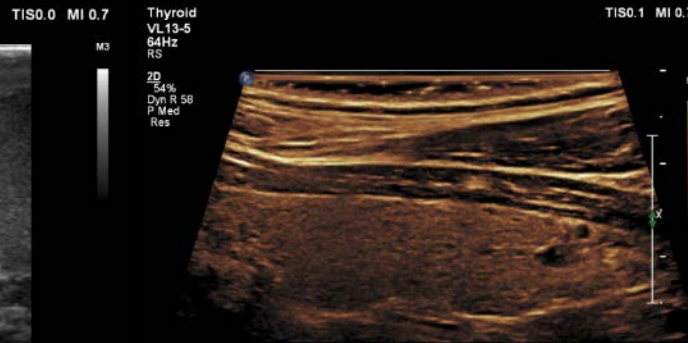
PANORAMIC BREAST IMAGING

TISO.0 MI 0.6

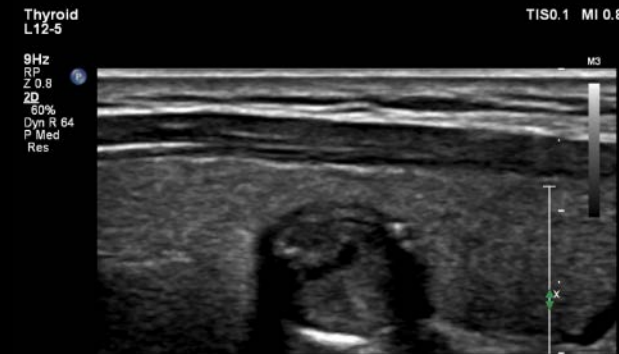
Small Parts



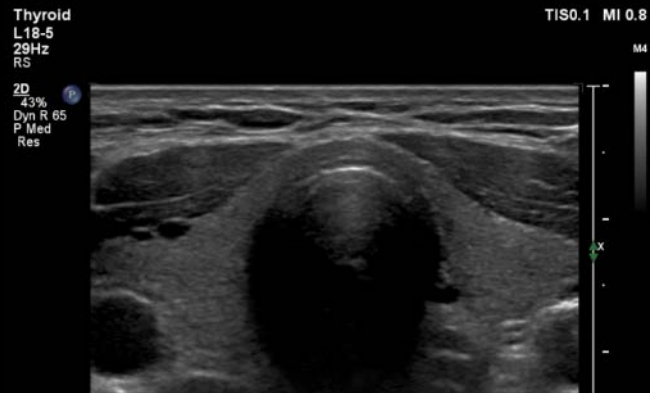
TESTICLE



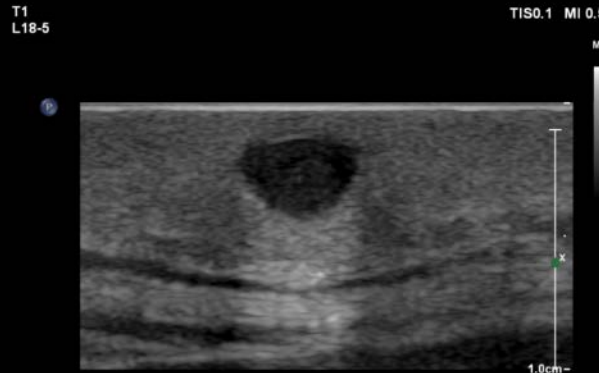
THYROID



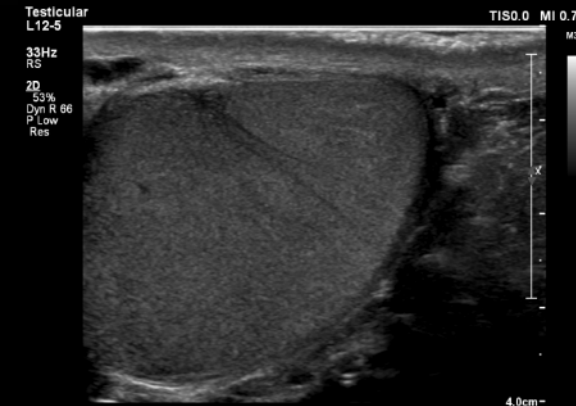
THYROID



THYROID

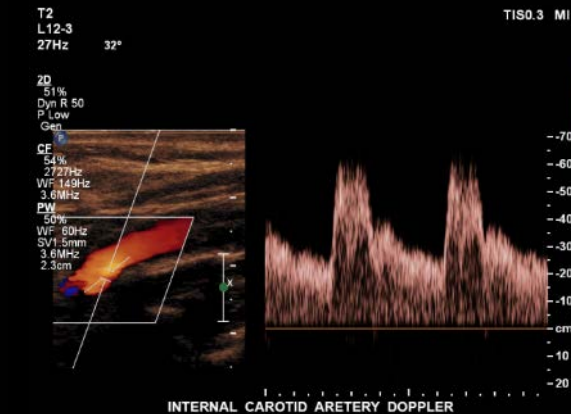
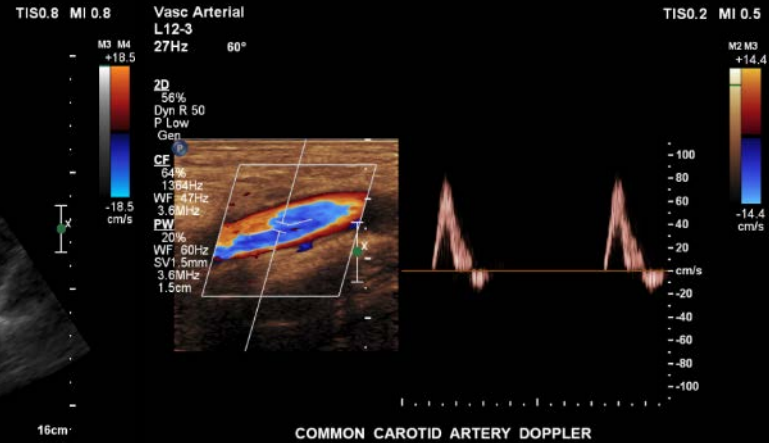
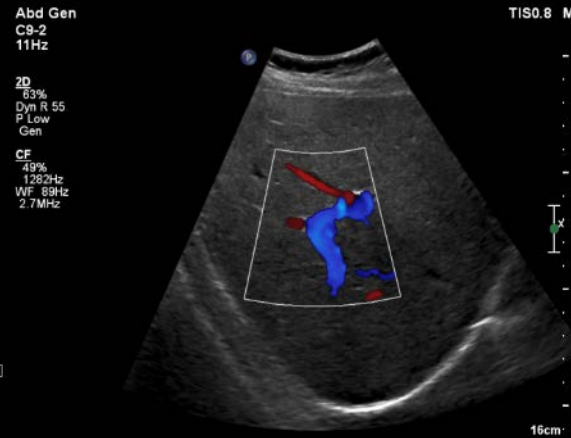


4mm SEBACEOUS CYST



TESTICLE

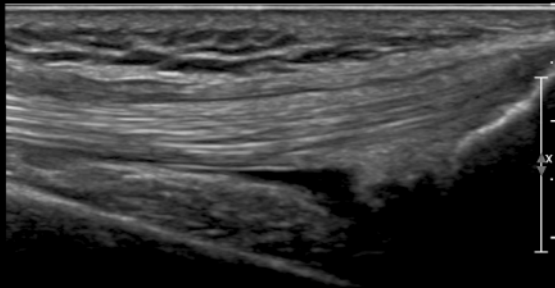
Vascular



Musculoskeletal

MSK Superfic
L12-5
48Hz
RS

TIS0.0 MI 0.7



BICEPS TENDON

2.5cm

M2

IO



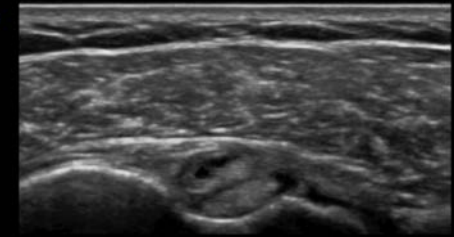
ACHILLES TENDON

M3

TIS0.1 MI 0.7

MSK Superfic
L12-5
40Hz
IS

ID
29%
Dyn R 55
P Low
Res



BIFID BICEPS TENDON

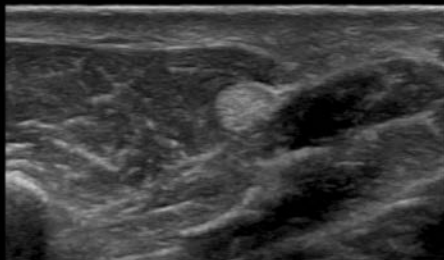
2.4cm

TIS0.0 MI 0.7

M2

MSK Superfic
L18-5
22Hz
RS
Z 1.1
2D
24%
Dyn R 60
P Med
Res

TIS0.1 MI 0.8



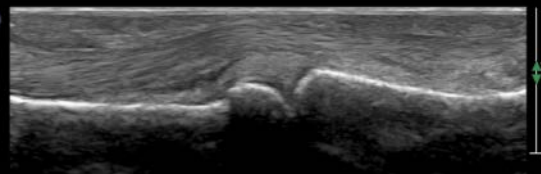
WRIST TENDON

1.8cm

M3

IO

Superfic
5
33Hz
RS
Z 0.9
2D
27%
Dyn R 60
P Med
Res



SUPERFICIAL FINGER

TIS0.1 MI 0.6

MSK Superfic
L18-5
57Hz
RS

2D
55%
Dyn R 60
P Med
HRes



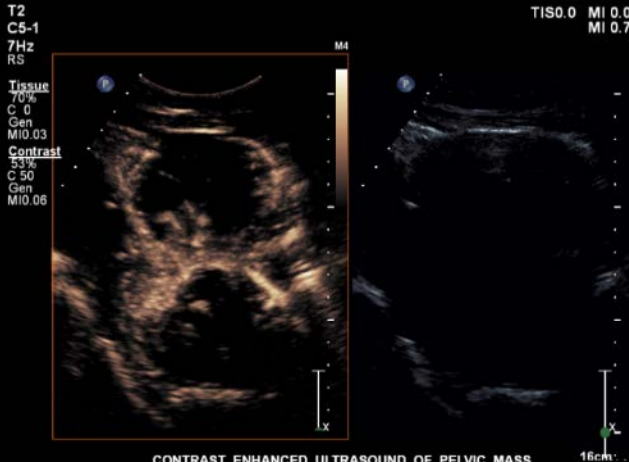
SUPERFICIAL FINGER

TIS0.1 MI 0.5

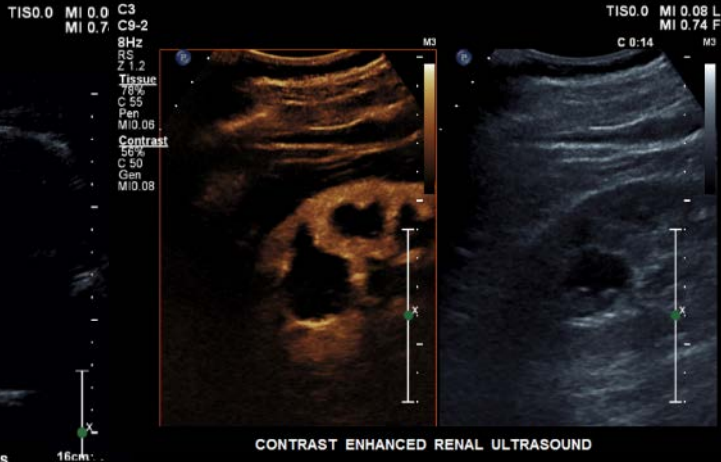
M3

*** bpm

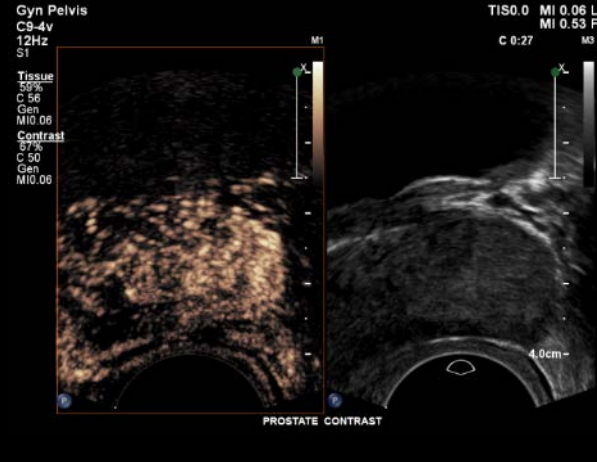
GI Contrast



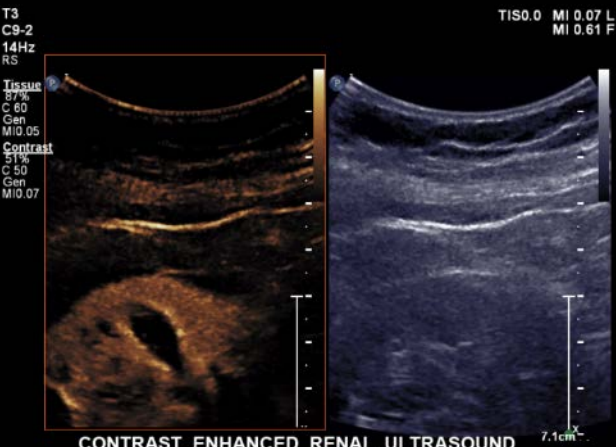
CONTRAST ENHANCED ULTRASOUND OF PELVIC MASS



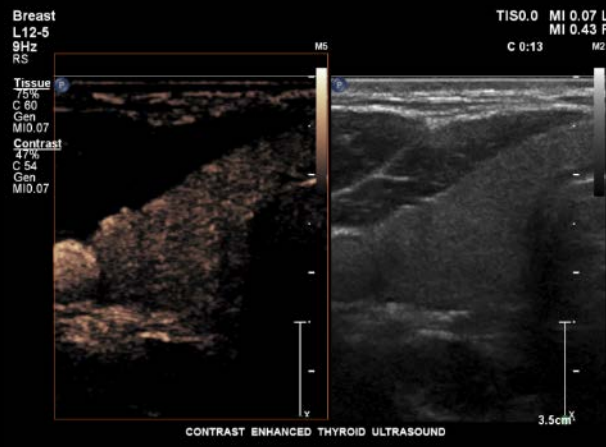
CONTRAST ENHANCED RENAL ULTRASOUND



PROSTATE CONTRAST



CONTRAST ENHANCED RENAL ULTRASOUND



CONTRAST ENHANCED THYROID ULTRASOUND

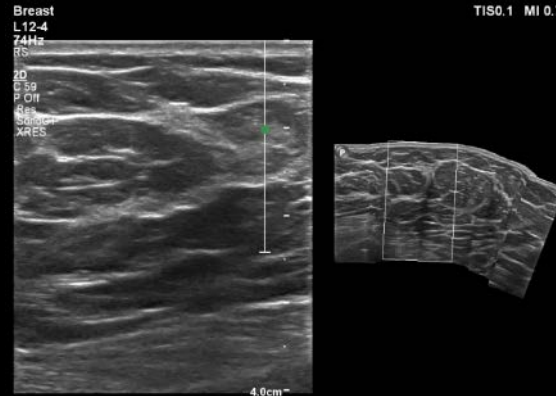


CONTRAST ENHANCED ULTRASOUND OF KIDNEY

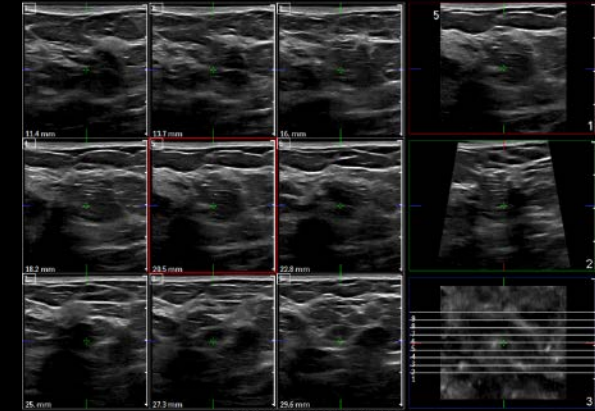
Advanced Features



MULTIPLANAR IMAGES OF THE SHOULDER



PANORAMIC BREAST IMAGING

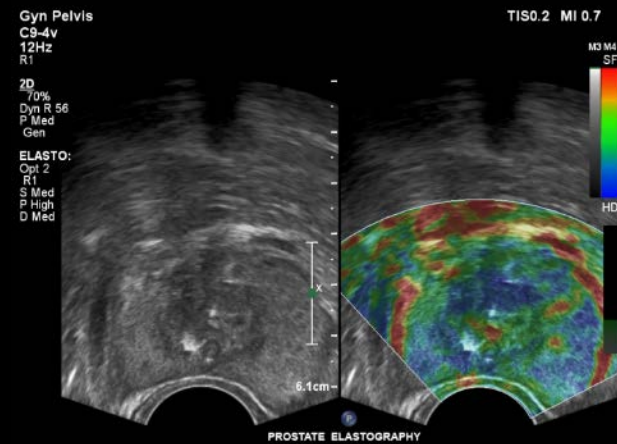


BREAST VOLUME ISLICE



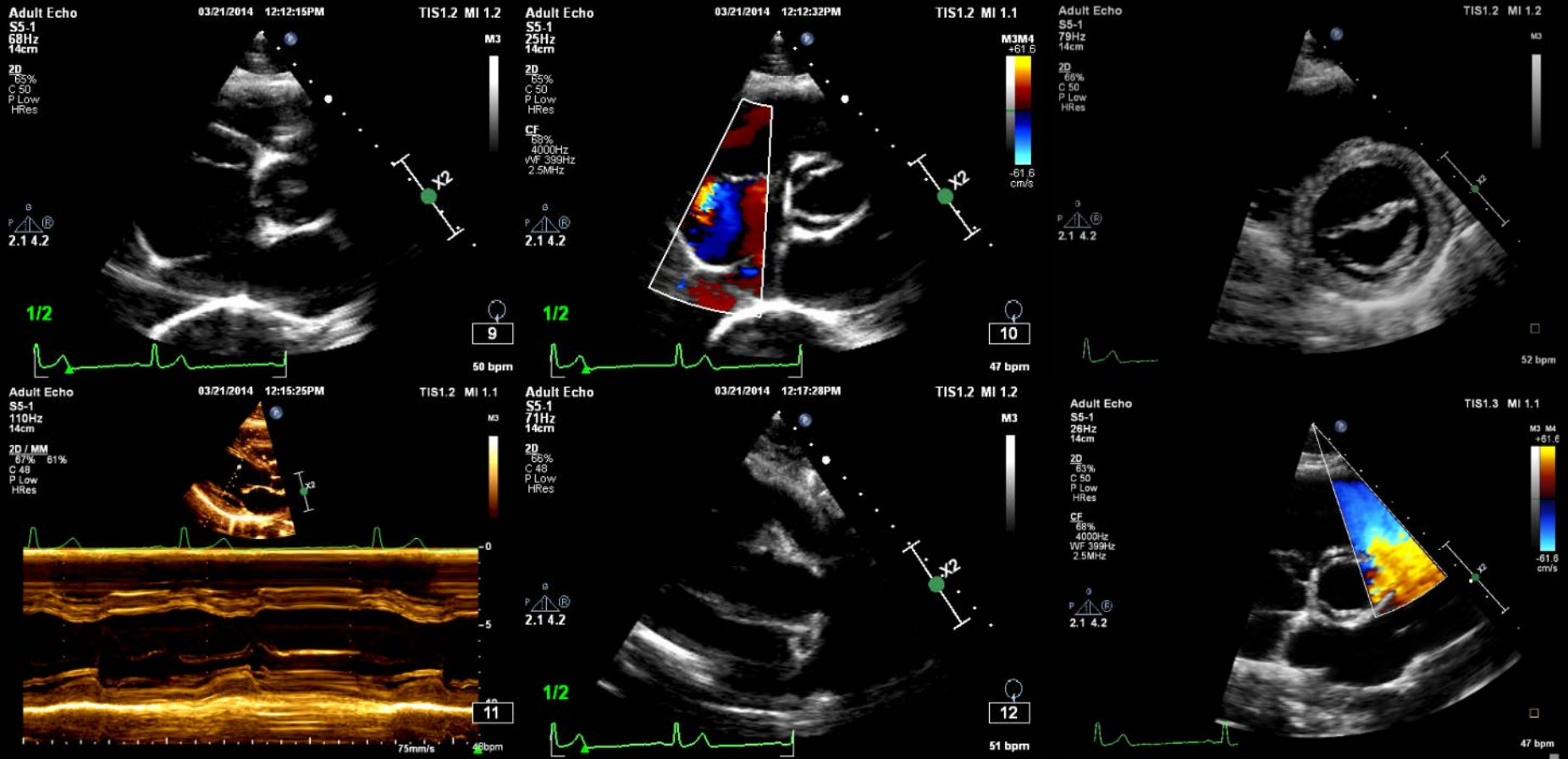
LIVER ELASTOGRAPHY

1.00 ± 0.05 m/s

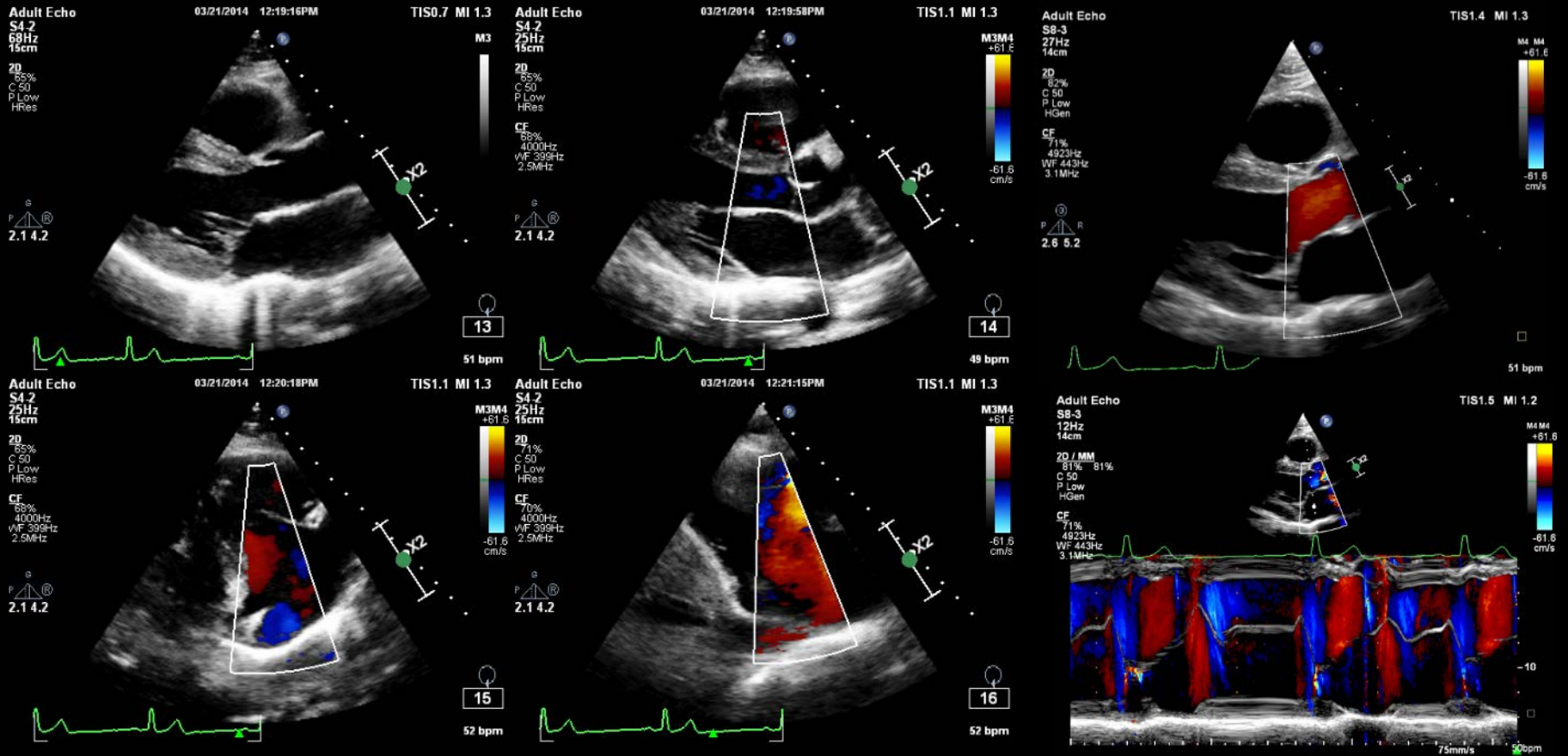


PROSTATE ELASTOGRAPHY

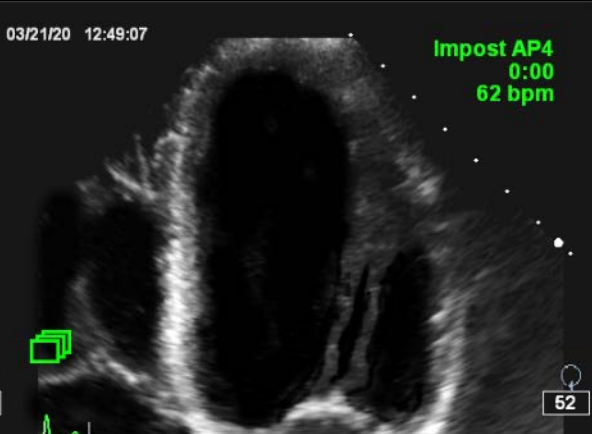
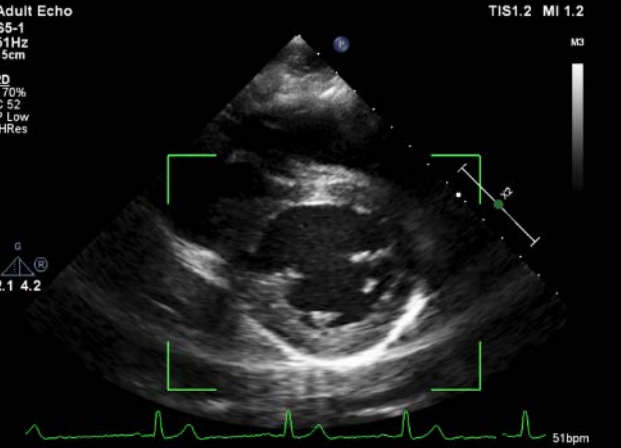
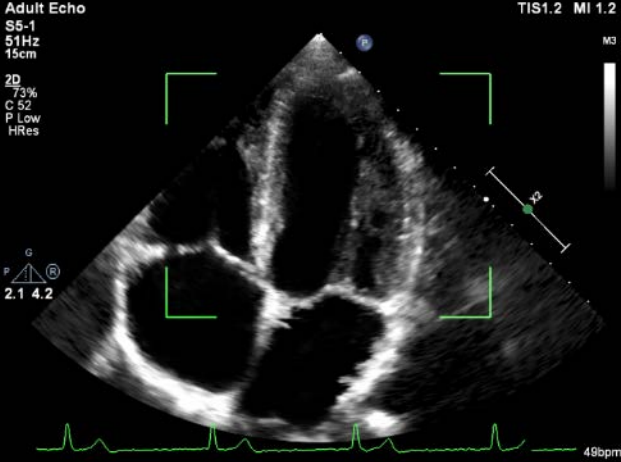
Adult Echo



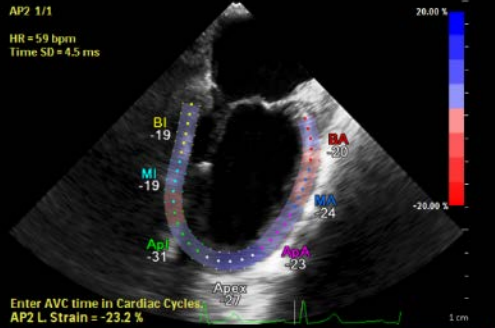
Pediatric Echo



Stress Echo



Advanced Features— Quantification



Peak Systolic Strain

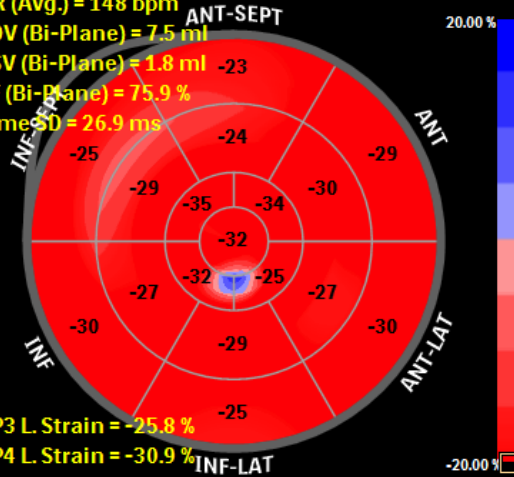
HR (Avg.) = 148 bpm

EDV (Bi-Plane) = 7.5 ml

ESV (Bi-Plane) = 1.8 ml

EF (Bi-Plane) = 75.9 %

Time SD = 26.9 ms

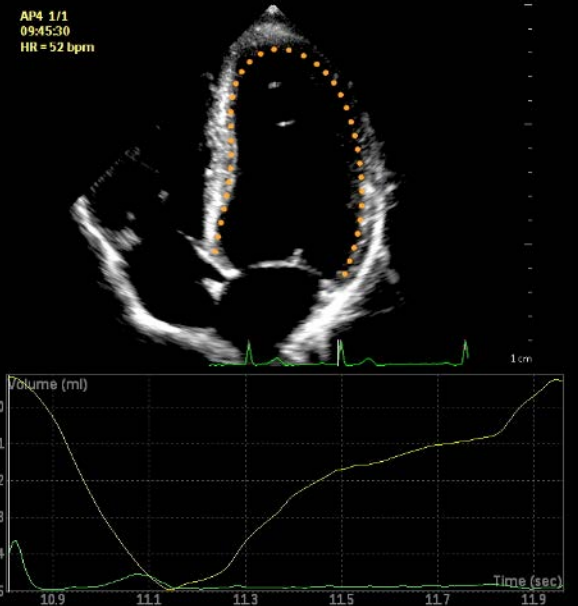


AP3 L Strain = -25.8 %

AP4 L Strain = -30.9 %

AP2 L Strain = -30.4 %

Global L Strain = -29.0 %



Vascular

