

# CHISON



# i3

4D Color Doppler

-  1 Design Concept & Market
-  2 Same Platform, Higher Performance
-  3 Powerful Function & Accessories
-  4 Intelligent Workflow

# They Want.....

# CHISON



I need OB/GYN system with Professional OB package

Time is limited, we want to use it easily and quickly



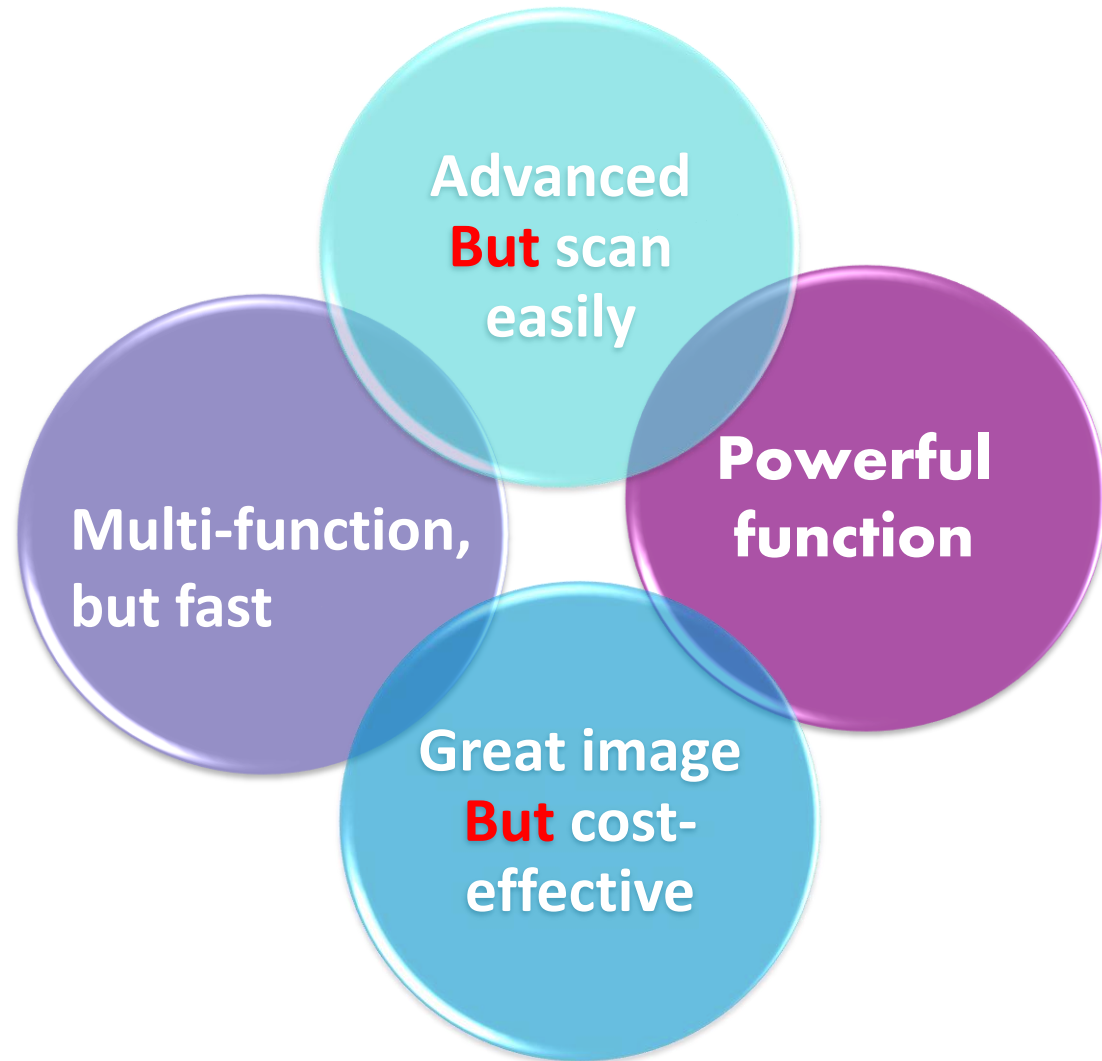
we need a trolley color doppler with 4D, affordable price

I need a radiology system with great performance



# So We Designed.....

# CHISON



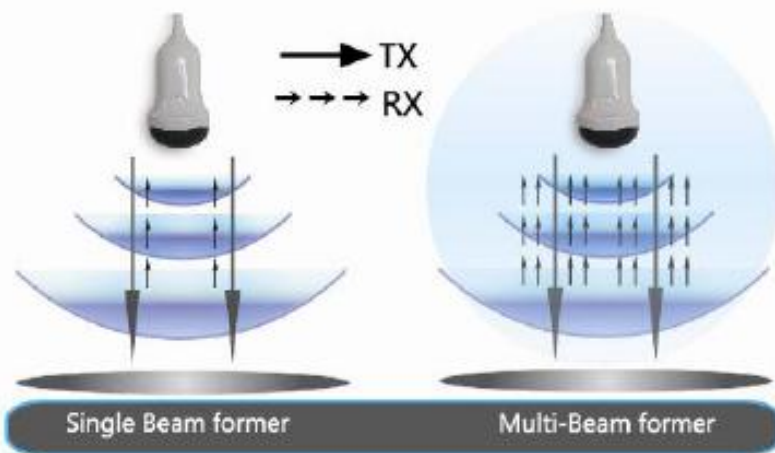
## Same Platform, Higher Performance



- Multiple beam former
- Compound imaging
- i-Image: image optimization
- SRA: Speckle reduction algorithm
- THI: Tissue Harmonic imaging
- **Color X-sense technology**
- **PW automatical trace and correction**
- 4D real-time volume imaging

# Advanced Imaging Technologies

## Multi-beam former technology



- Enhance signal processing speed
- Enhance time resolution
- Improve picture frame rate
- Improve spatial resolution

## Integrated compounding imaging



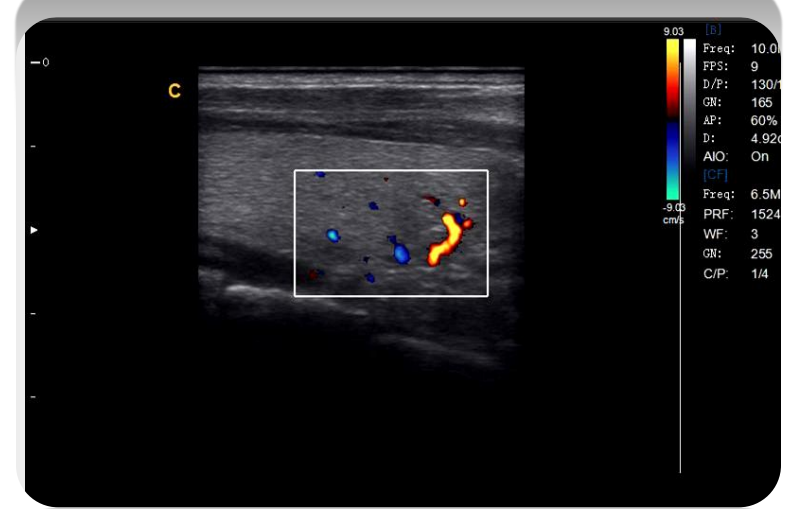
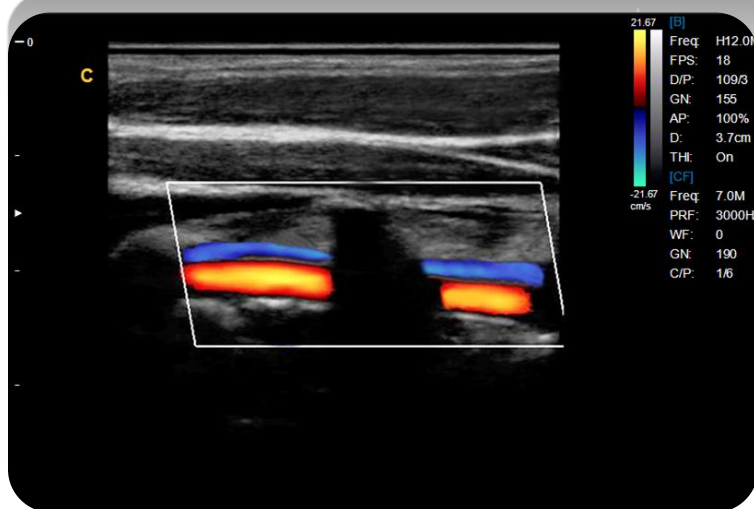
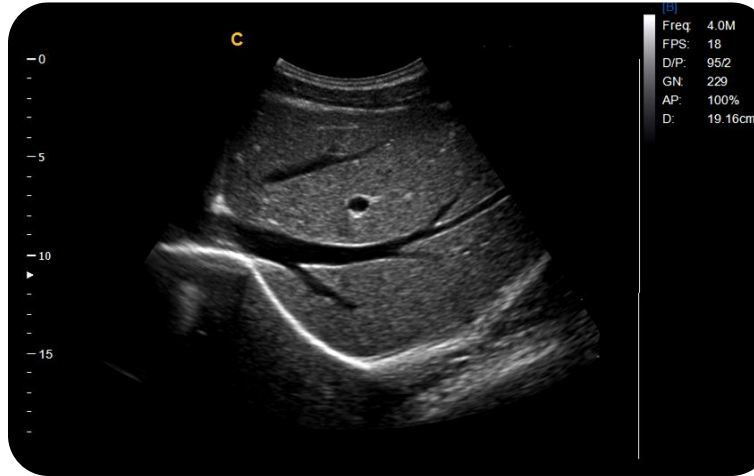
Before

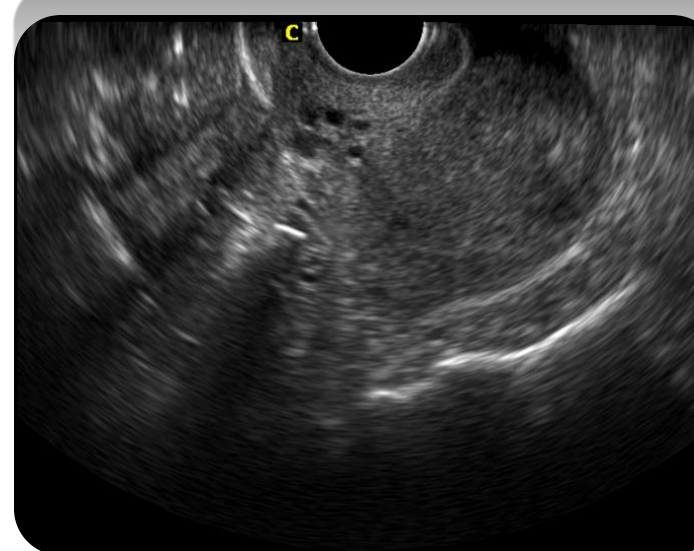
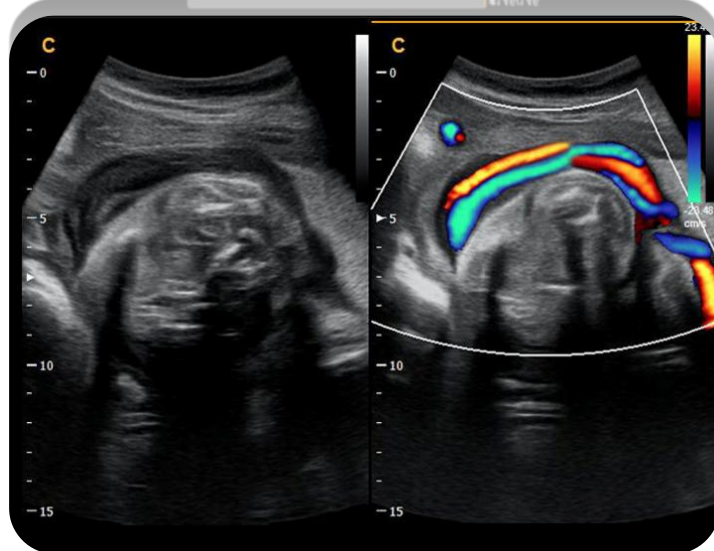
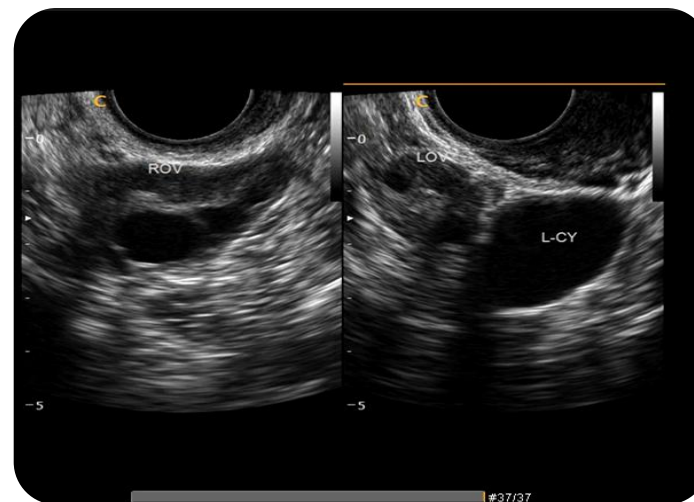
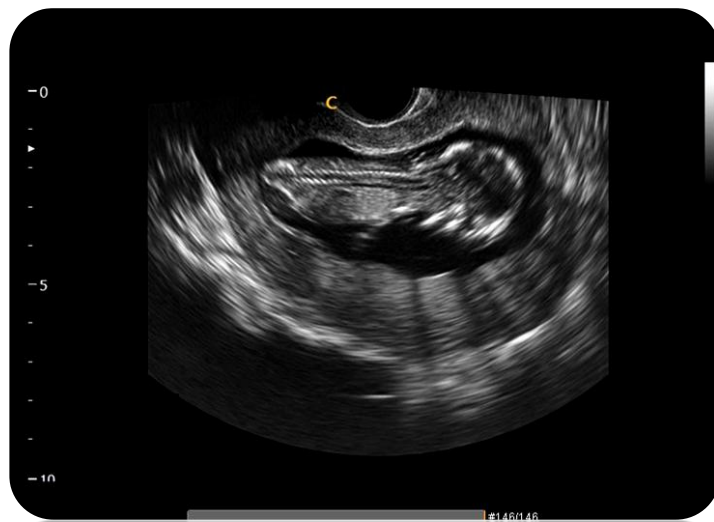


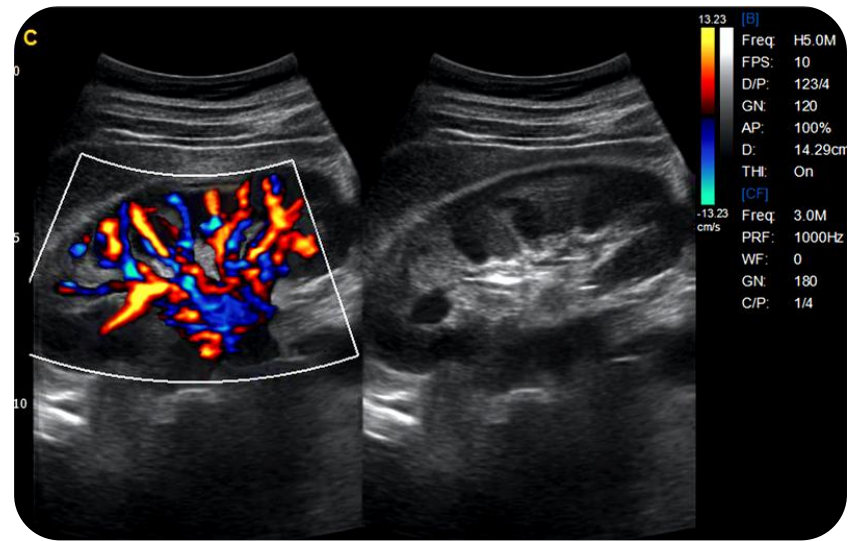
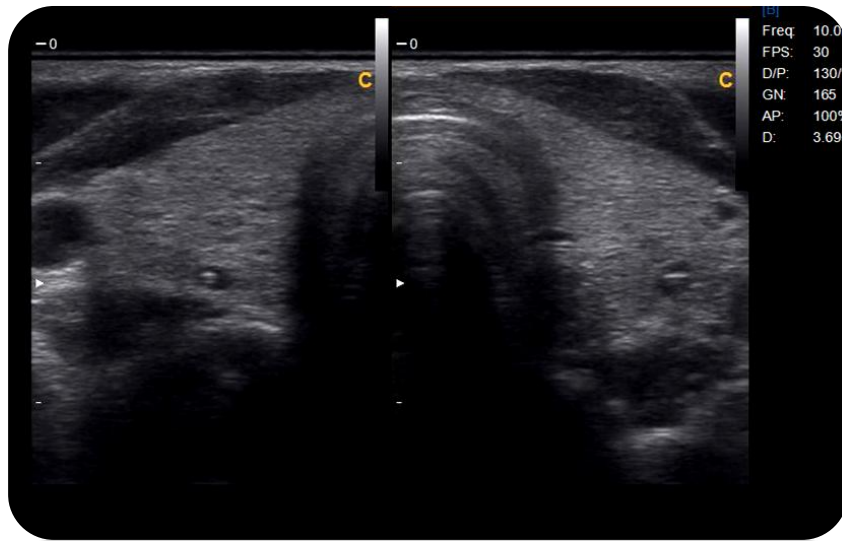
After

**Improve image resolution and penetration**

## Image Gallery



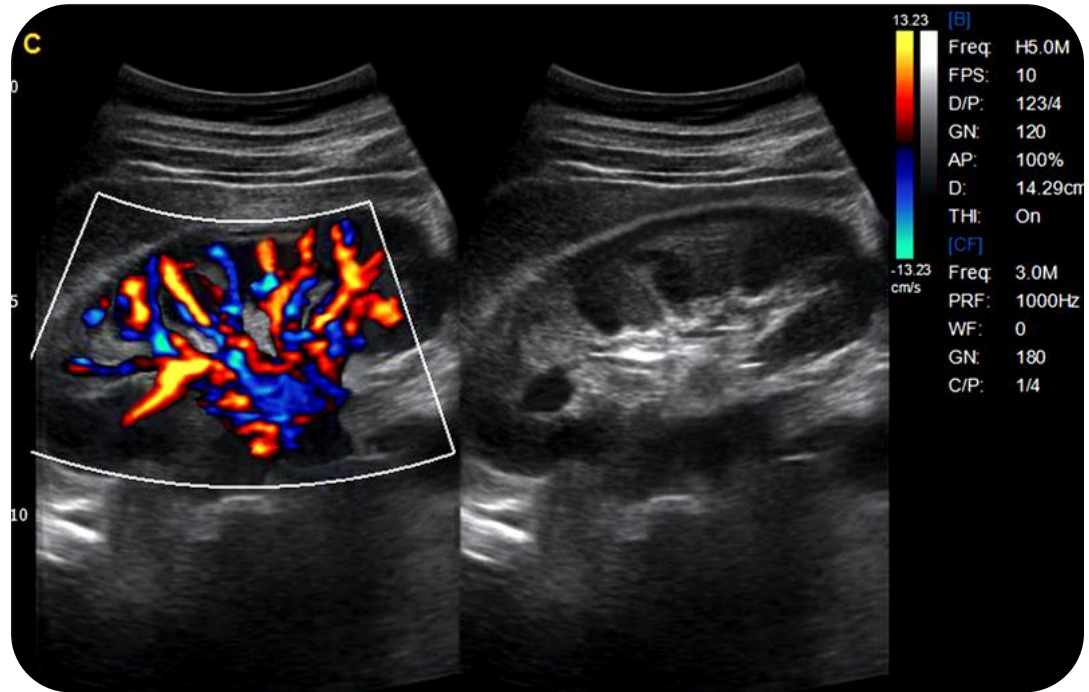




## New Technology for Color Mode

### Color X-sense technology

➤ color x sense can help you detect the tiny vessel easily



## 4D Real-time Volume Imaging

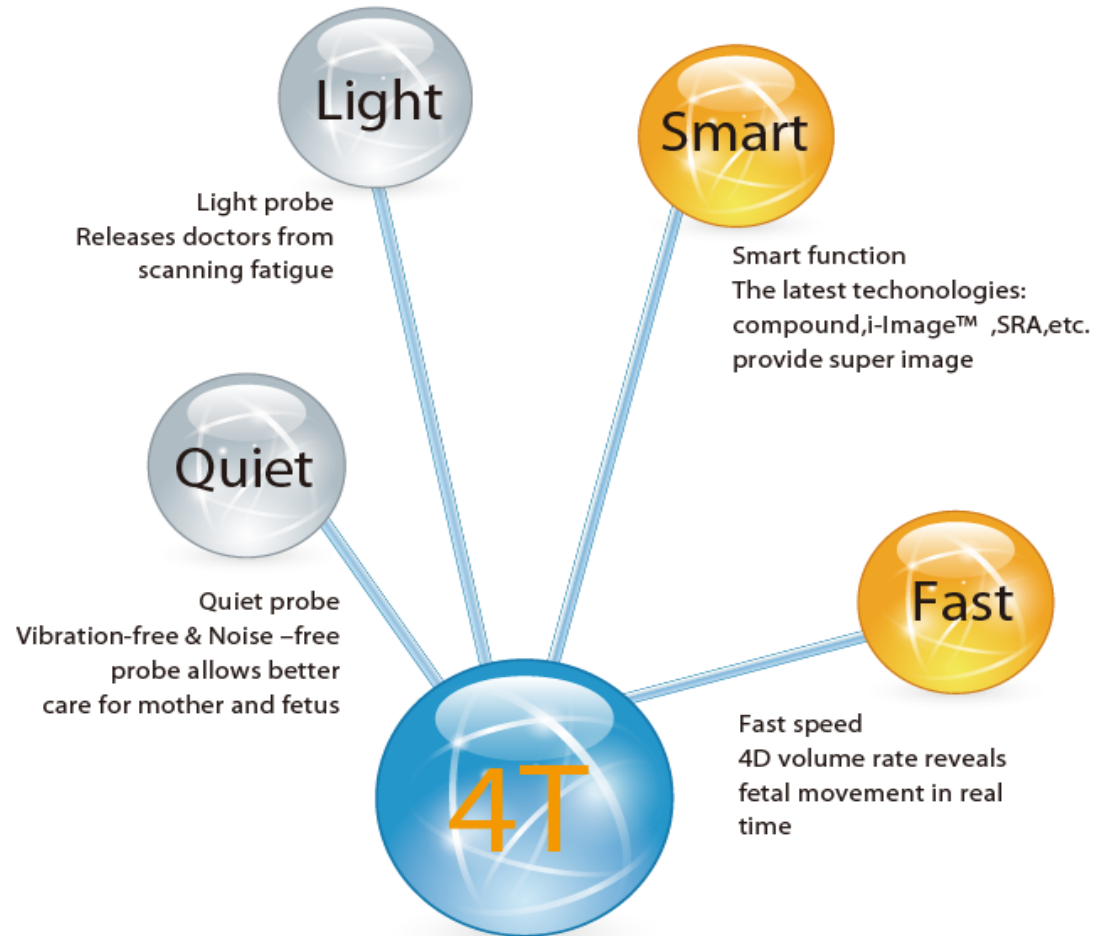
---4D function with  
"4T" FEATURE:

Quiet

Light

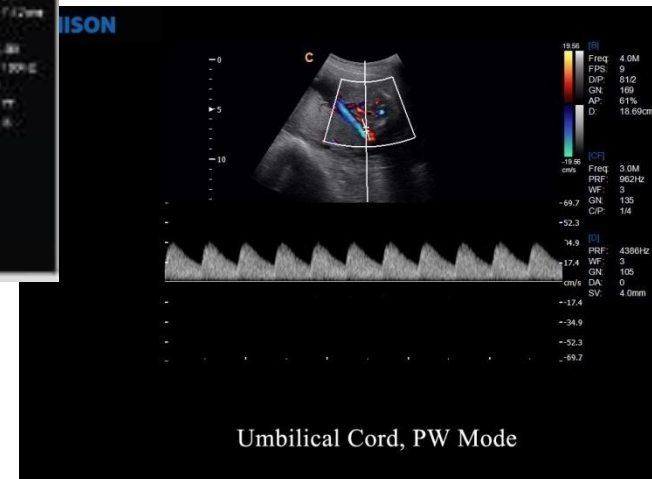
Fast

Smart



## ---4D function support color and Doppler mode

- one probe can cover all the mode: B ,C,D,4D;
- Save money;
- Save time, no need to change the probe for scanning;

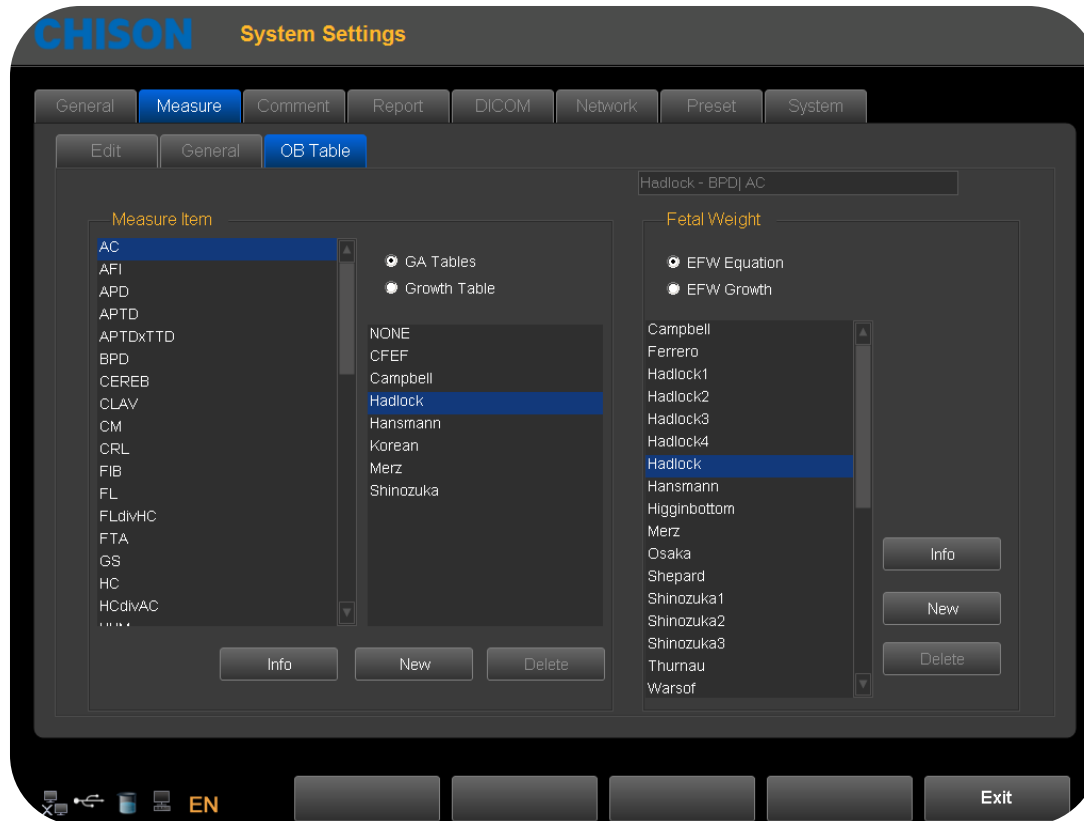




## Powerful Function

- Professional OB package:  
calculation, report, growth curve
- PW automatical trace and correction
- IMT
- Triplex mode(optional)
- User-defined calculation package
- User-defined report
- Completely new biopsy line software

## Professional OB Calculation Package



## OB Report

The screenshot shows the CHISON Report interface. At the top left, the CHISON logo is displayed in blue, followed by the word "Report" in orange. Below this, there are two dropdown menus: "Report" set to "OB" and "Fetal" set to "A". A red cross icon is positioned to the left of the patient information fields. The patient information includes "Name:", "Age: 0", and "Gender:". Below this is the "Patient ID: 2014-10-28-134129". The main content area is divided into three sections: "Diagnostic Conclusion", "Description", and "Ultrasound Tips", each with a corresponding text input field. On the right side, there is an "Image Select" panel with a vertical scrollbar and a close button. Below the image select panel are four buttons: "Edit Meas.", "Clear Meas.", "Graph", and "Input Template". At the bottom of the interface, there is a toolbar with icons for zooming, a printer, and a document, followed by the text "EN". Below the toolbar are five buttons: "Preview", "Print", "Save", "Undo", and "OK".

CHISON Report

Report: OB Fetal: A

Chison Hospital

OB Report

Name: Age: 0 Gender:

Patient ID: 2014-10-28-134129

Diagnostic Conclusion

Description

Ultrasound Tips

Image Select

Edit Meas.

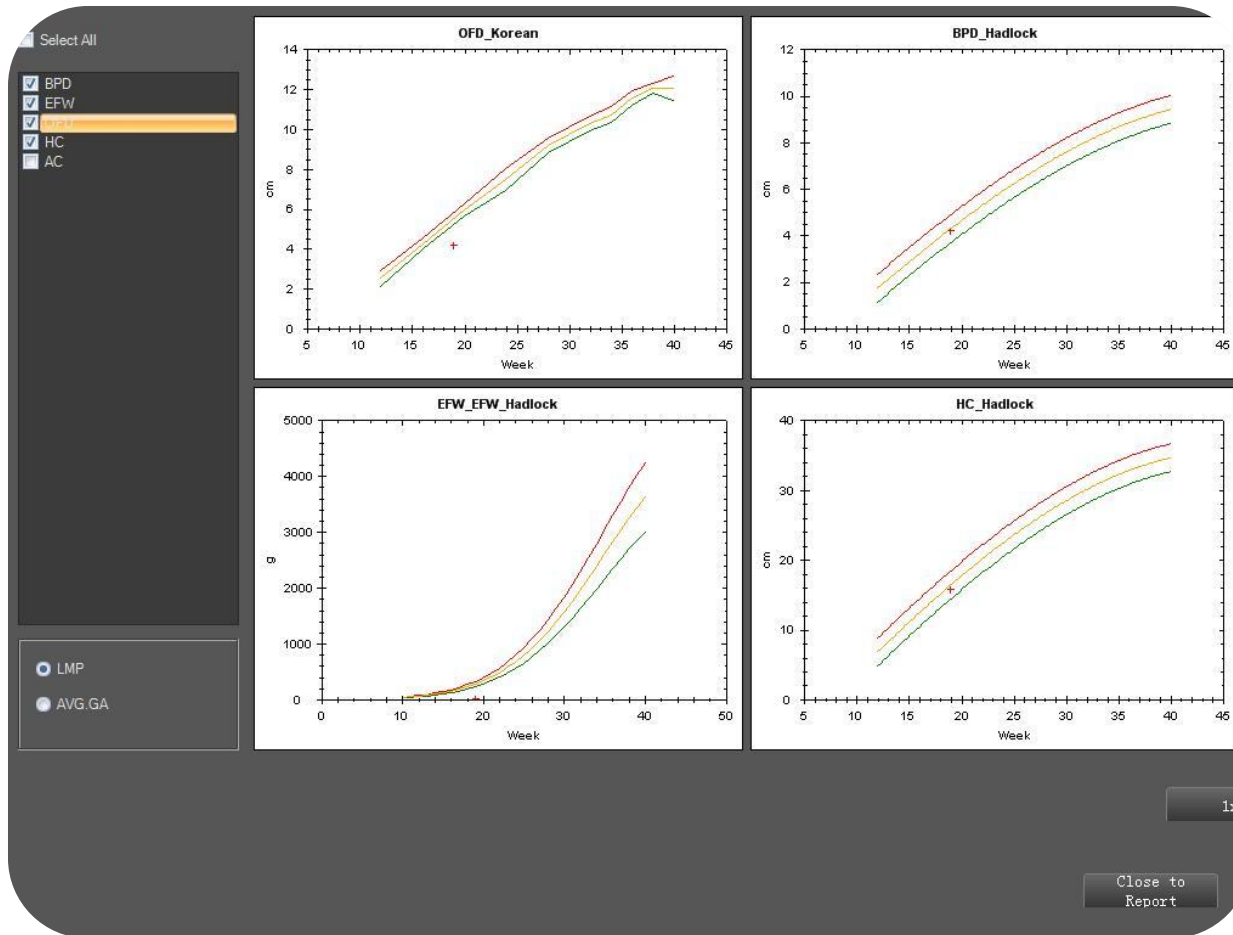
Clear Meas.

Graph

Input Template

Preview Print Save Undo OK

## Fetel Growth Curve

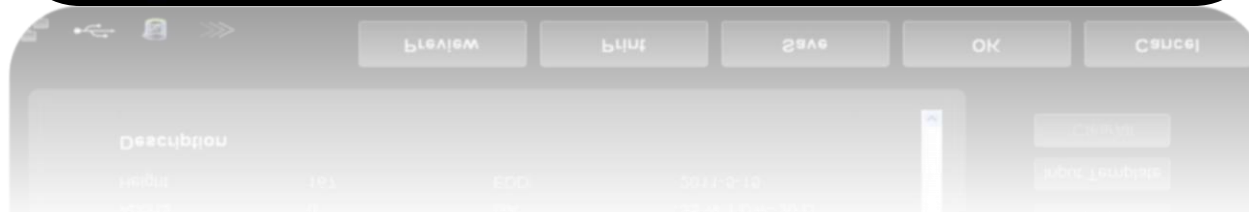


## Four Fetus Measurement

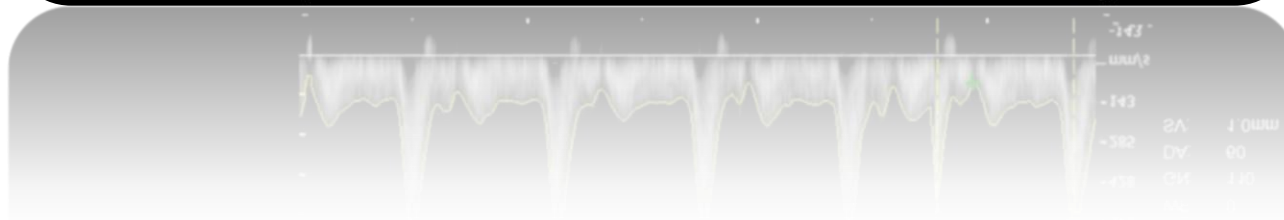
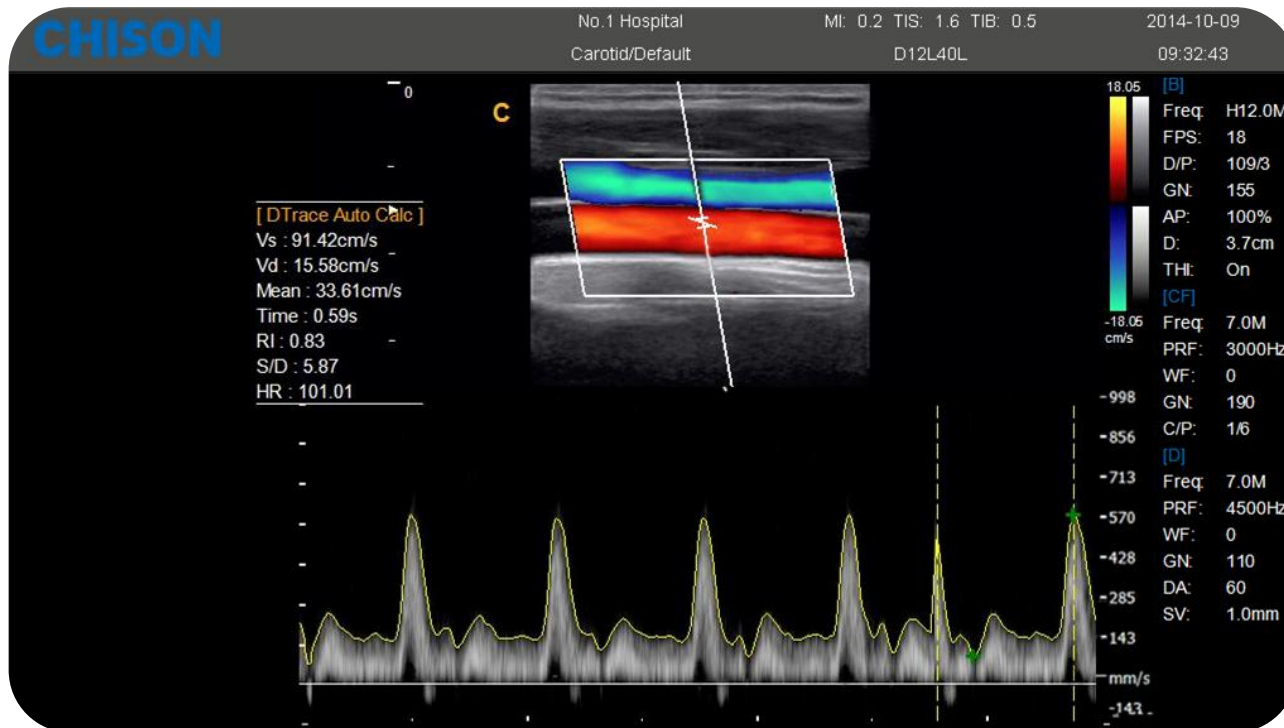
The screenshot displays the CHISON Report application interface. At the top, the 'CHISON Report' header is visible. Below it, there are navigation and selection controls including 'Report', 'OB', 'Fetal', and a dropdown menu currently showing 'A'. A red box highlights this dropdown menu, which lists options A, B, C, and D, with 'BPD' selected below the list. The main area contains a table of fetal measurements and their corresponding values.

Measurement	Value	Measurement	Value
LMP	2010-8-24 0:00:00	BPD:	8.39 cm [Aver]
LMP_GA	32 W 6 D	GA:	33 W 5 D+/- 21 D
LMP_EDD	2011-5-31	EDD:	2011-5-25
BBT	0001-1-1 0:00:00	<b>OFD</b>	
AverGA	30 W 6 D	OFD:	6.28 cm [Aver]
AverEDD	2011-6-14	GA:	20 W 6 D
LMPCycle	0	EDD:	2011-8-23
EFW	2035.92 g	<b>AC(Ellipse)</b>	
TXL	102.82 bpm	AC(Ellipse):	27.78 cm [Aver]
EstablDueDate	0001-1-1 0:00:00	GA:	31 W 5 D+/- 20 D
OvulDate	0001-1-1 0:00:00	EDD:	2011-6-8
Gestations	0	<b>FL</b>	
DayofCycle	0	FL:	6.85 cm [Aver]
Ectopic	0	GA:	35 W 1 D+/- 20 D
Gravida	0	EDD:	2011-5-15
Para	0		
Aborta	0		
Height	167		

At the bottom of the interface, there are several buttons: 'Preview', 'Print', 'Save', 'OK', and 'Cancel'. On the right side, there is an 'Image Select' panel with a vertical scroll bar and buttons for 'Measurement', 'Graph', 'Input Template', and 'ClearAll'.



## PW Automatical Trace and Correction

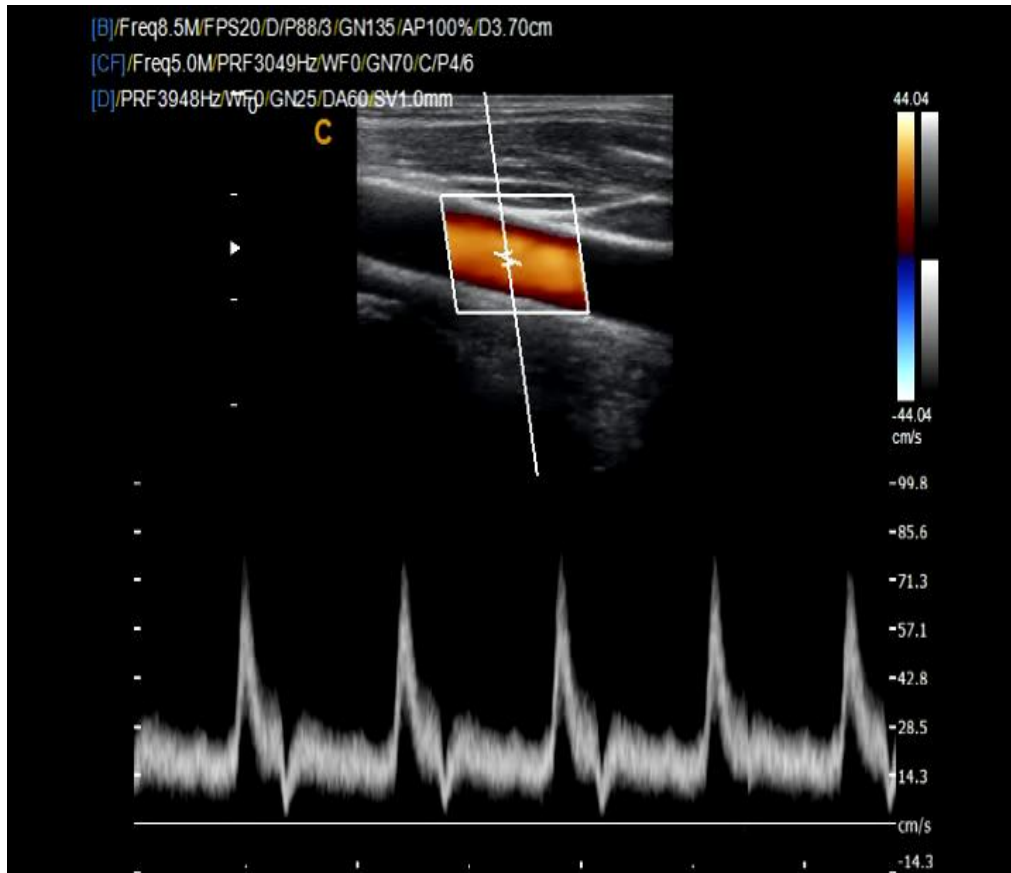


## IMT

- Trace intima automatically
- Provide three results at the same time
- Greatly simplify the work flow
- A sign for diagnose the atherosclerosis



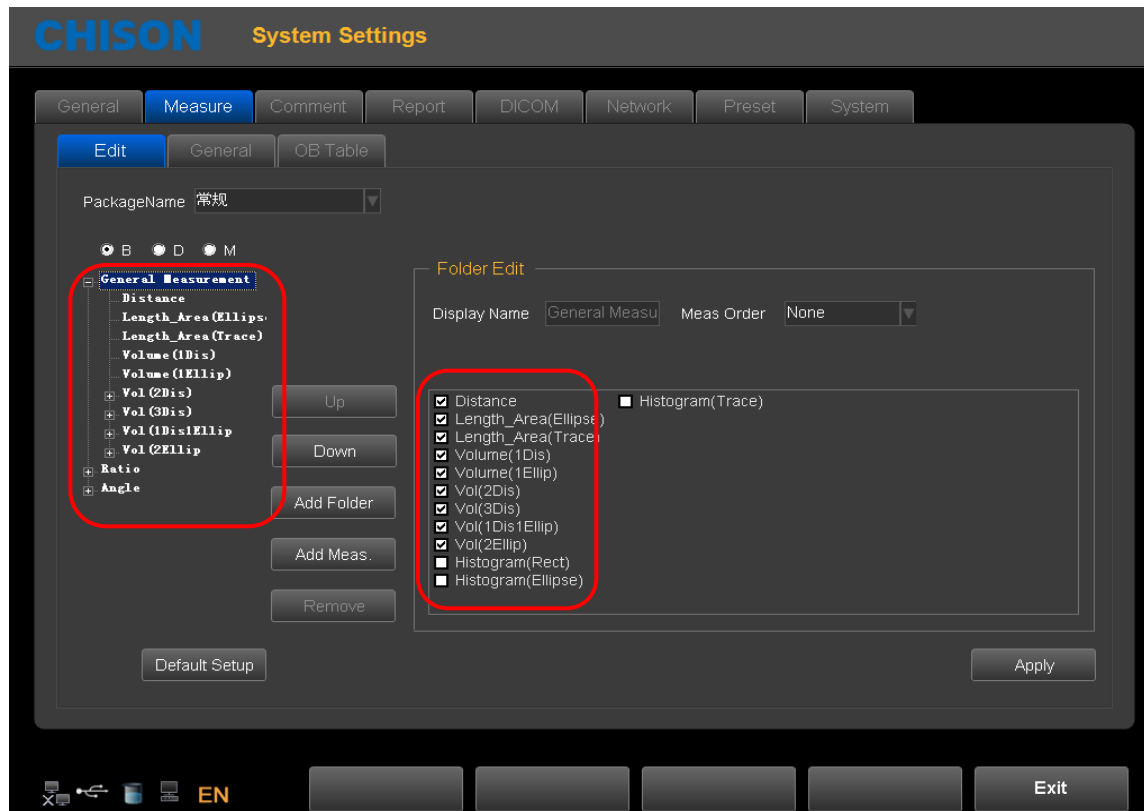
## Triplex Mode



- High frame rate
- Sharp Doppler spectrum

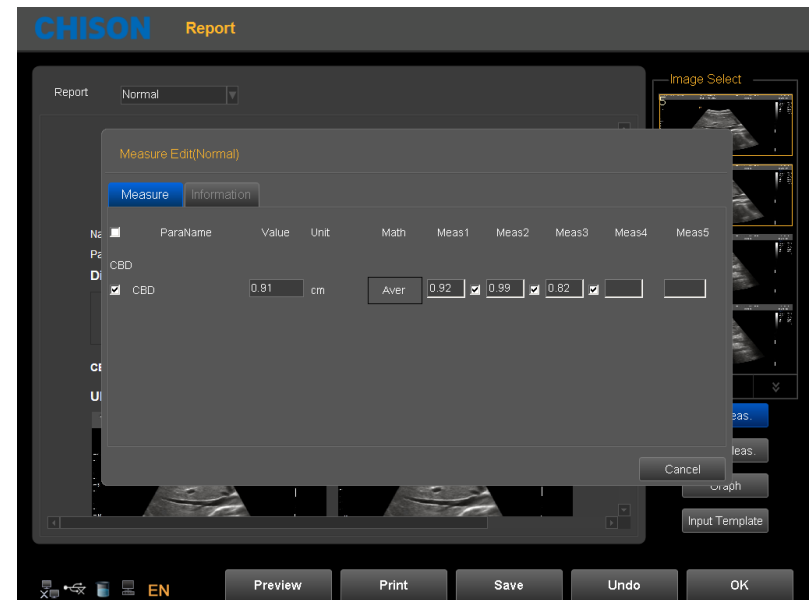
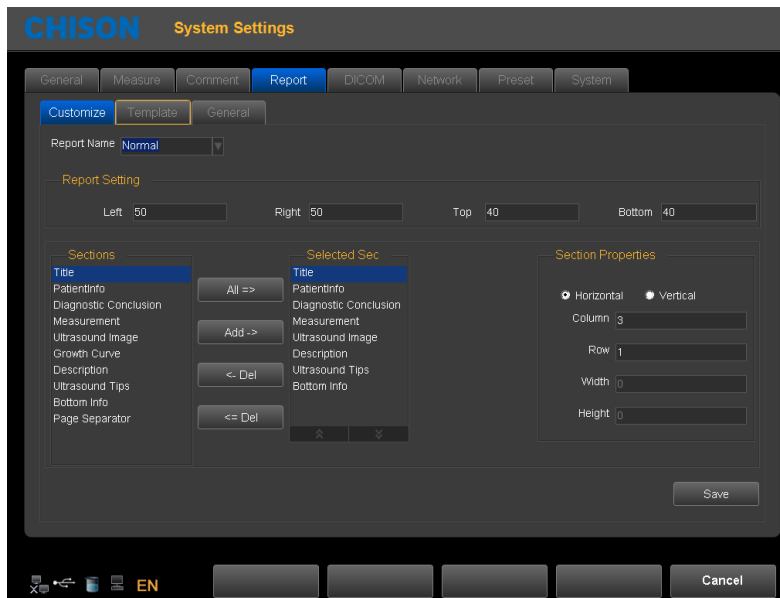
## User-defined calculation package

---add/remove items, sequence your way



## User-defined Report

--- add/remove items, column your way



## Completely New Biopsy Line Software

CHISON 2014-10-28-143645 Chison Hospital Mt: 0.2 TIS: 0.1 2014-10-28  
 Carotid/Default D7L40L 17:23:58

**B Menu**

Scan Width	100%
Image Rotate	0
Gamma	1
Smooth	0
Edge Enhance	2
A. Power	100%
TrapezoidalMode	Off
Biopsy	
Super Needle	Off
NeedleAngle	-30
2D Steer	0
Elastography	Off
Brightness	61%
ECG	Off
UD Invert	Off
LR Invert	Off
ECG Gain	3
ECG Pos	3
ECG Velocity	1
Utility	

0

C

[B]

Freq	H9.0M
FPS	62
D/P	116/3
GN	145
AP	100%
D	3.7cm
TH	On

[Enter]. Edit the biopsy line

B Menu





TB: Biopsy






<b>NO.1</b>	<b>NO.2</b>	<b>NO.3</b>	<b>NO.4</b>	<b>NO.5</b>
Freq. H9.0M	Focus Num 2	Compound On	SRA Off	Density High
Dynamic 116	Focus Pos.	i-Image 3	Persistence 3	Noise Reject 0

X EN






## Complete Solution of Accessories

### Probe configure

Model	Outlook	Type	Main Frequency	Frequency Range(no THI)
D3C60L		Convex R=60mm	3.5MHz	2.5/3.0/3.5/4.0/5.3
D6C12L		TV A $\approx$ 120°	6.0MHz	4.0/5.3/6.0/8.0/10.0
D7C10L		TV A $\approx$ 180°	6.0MHz	4.0/5.3/6.4/8.0/10.0
V4C40L		4D	4.0	2.5/3.0/3.5/4.0/5.3

Model	Outlook	Type	Main Frequency	Frequency Range
D7L40L		Linear L=40mm	7.5MHz	5.0/6.5/7.5/8.5/10.0
D7L60L		Linear L=60mm	7.5MHz	4.0/5.3/6.4/8.0/10.7
D3C20L		Micro Convex R=20mm	3.0MHz	2.5/3.5/4.0/5.3/6.4
D6C15L		Micro Convex R=15mm	6.0MHz	4.0/5.3/6.4/7.5/10.7
D5C20L		Micro Convex R=20mm	5.0MHz	3.5/4.0/5.3/6.4/8.0

## Biopsy kits Configure

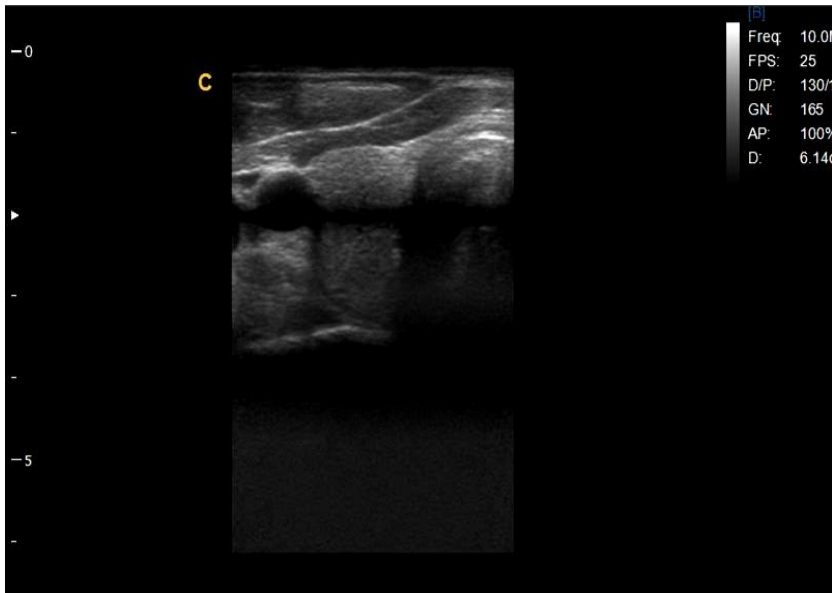
Part number	Probe type	Picture
BC04-A	D3C60L	
BL03-A	D7L40L	
BT03-A	D6C12L	
BT04-A	D7C10L	
BC06-A	D3C20L	

## Intelligent Workflow

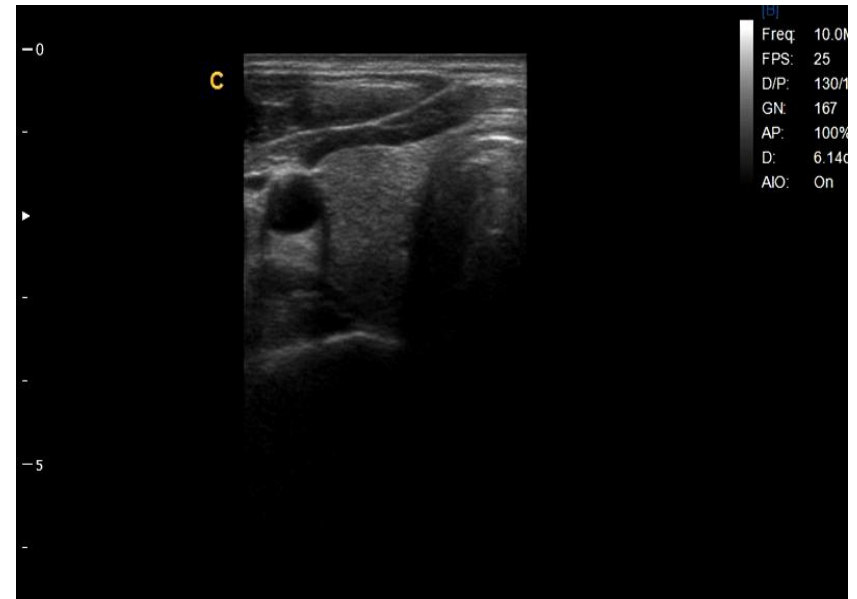
### Several one key function



## One key to **AIO**----Automatic image optimization



Before AIO





After AIO

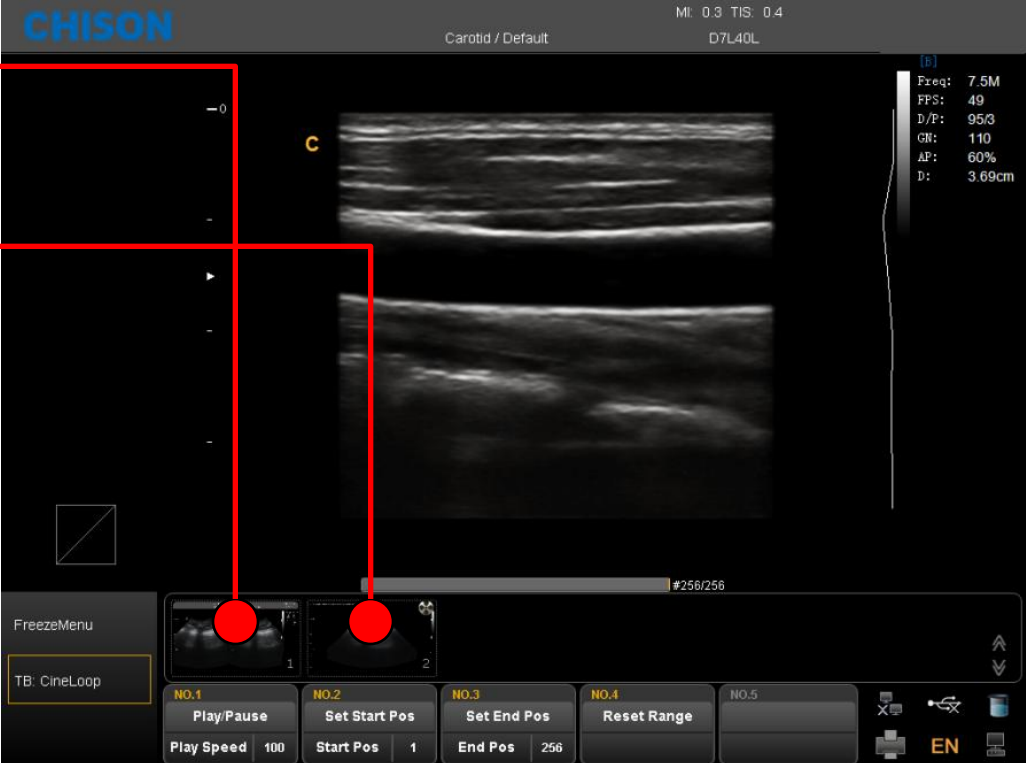
## One key to **Measure**: auto trace PW



One key to **Save**: save both in frozen mode and real time

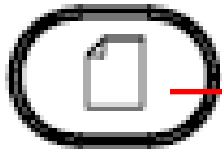
Cine 

Still image 




The screenshot shows the CHISON ultrasound interface. At the top, it displays 'CHISON' and 'Carotid / Default'. The main display area shows a B-mode ultrasound image of a carotid artery. On the right side, there is a technical data panel with the following values: Freq: 7.5M, FPS: 49, D/P: 95.0, GN: 110, AP: 60%, and D: 3.69cm. At the bottom, there is a control panel with a 'FreezeMenu' section containing 'TB: CineLoop'. Below this are five numbered buttons: NO.1 Play/Pause (Play Speed 100), NO.2 Set Start Pos (Start Pos 1), NO.3 Set End Pos (End Pos 256), NO.4 Reset Range, and NO.5. Two red circles with lines pointing to the 'Cine' and 'Still image' icons are connected to the 'NO.1 Play/Pause' and 'NO.2 Set Start Pos' buttons respectively, indicating that these buttons are used to save both cine loops and still images.

## One key to **Report**



**CHISON** Report

Report: GYN

 Chison Hospital  
GYN Report

Name: \_\_\_\_\_ Age: 0 Gender: \_\_\_\_\_  
Patient ID: 2014-10-28-143645

Diagnostic Conclusion

Description

Ultrasound Tips

Image Select


↑ × ↓

Edit Meas.  
Clear Meas.  
Graph  
Input Template

Preview Print Save Undo OK

## One key to **Print**

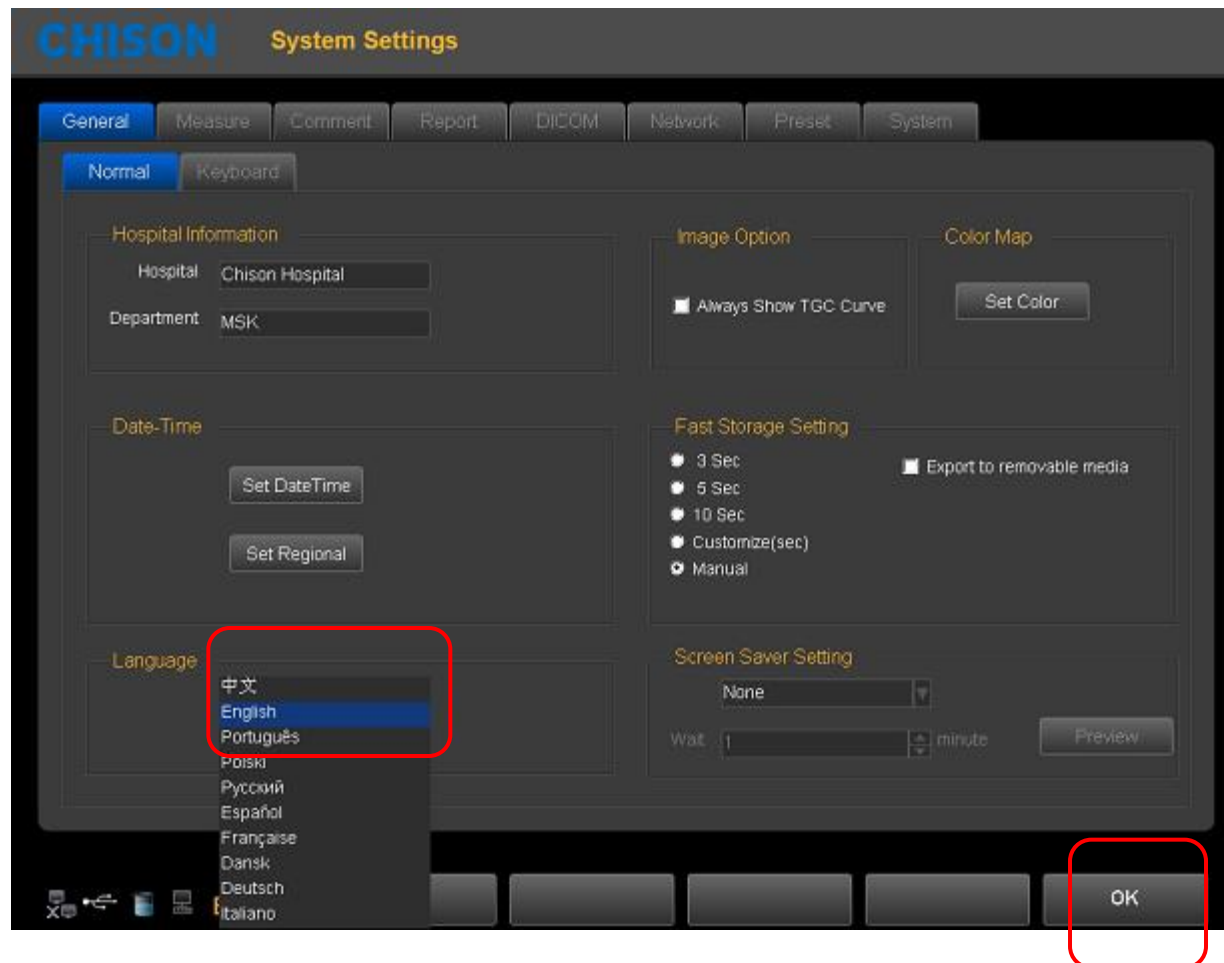


	Chison Hospital	
	GYN Report	
Name:	Age: 0	Gender:
Patient ID: 2014-10-25-174018		
Diagnostic Conclusion		
<hr/>		
<hr/>		
Description		
Ultra sound Tips		
This report is used for clinical reference only. Not used as prove material.		
Year    Month    Day		
Doctors signature (or stamp)		

## One key to **Review**

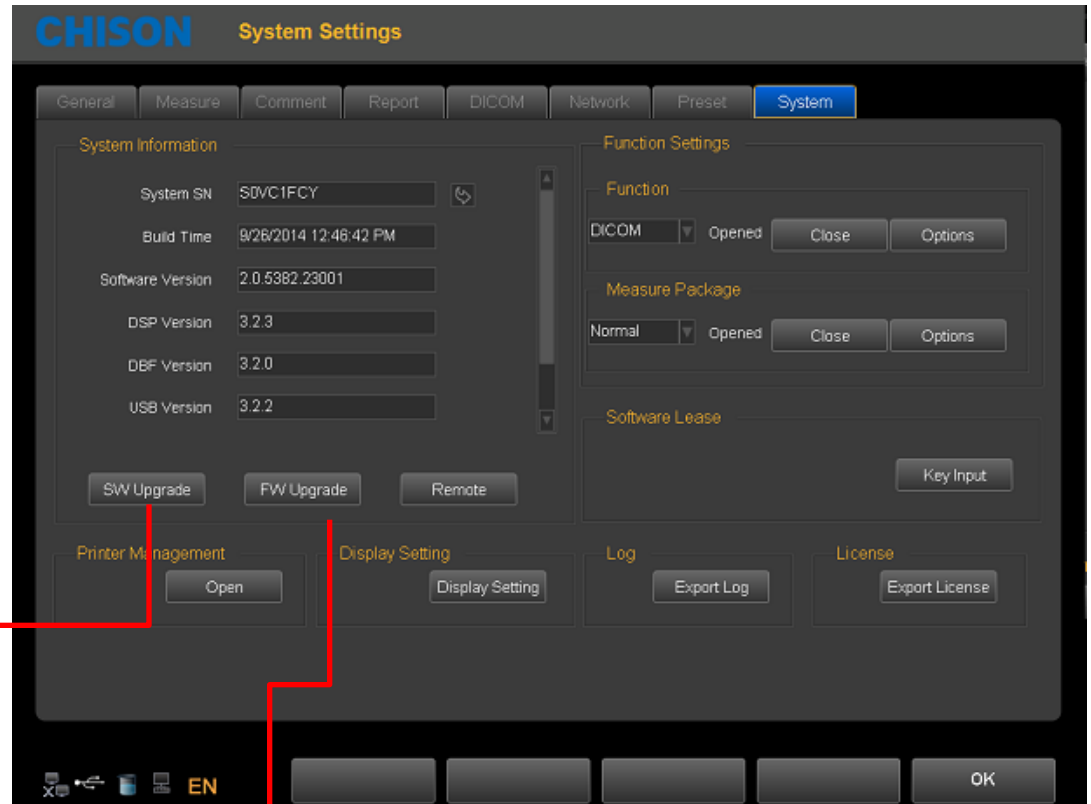


## One key to **Language exchange**



## One key to Upgrade

- System upgradable and won't lose the original images and data.
- One key upgradable.



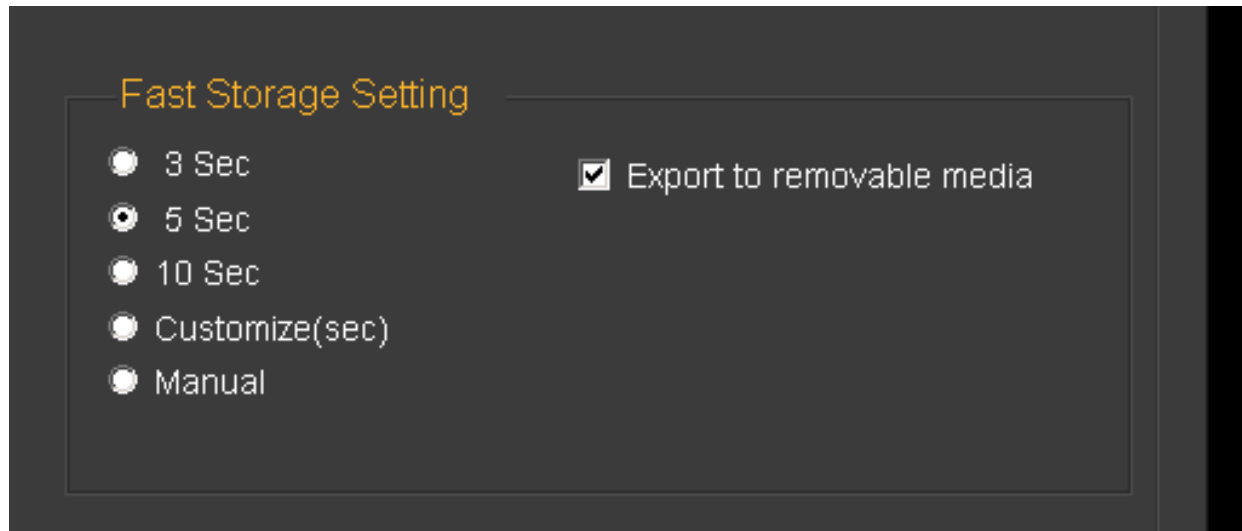
Software

Hardware

## One key to **Data-transfer** :

3 choices, easy to submit for insurance, to comply with EMR and other regulatory requirements

**1:USB auto- backup : Transfer to USB directly.**



## 2: Mannual Transfer: Copy folders from Local disk to USB

The screenshot shows the CHISON Exam View interface. At the top, there are search filters for Patient ID, Patient Name, Study Type, Date (2011-10-07 to 2011-10-14), Time Span (One Week), and Search Source (Local [D:]). A search button is present. Below the filters, a table lists exams with columns for Patient ID, Name, Study Type, Study Date, Images, Sex, Age, Study State, and Accession Number. The table shows 20 exams in total, with 0 selected. To the right of the table, there are buttons for Info, Report, Back Up, Recover, Send To, Delete, and Select All. The 'Back Up' button is highlighted with a red rectangle. At the bottom of the interface, there are buttons for New Study, Edit Exam, Review, and Cancel.

Patient ID	Name	Study Type	Study Date	Images	Sex	Age	Study State	Accession N
2011-10-14-153029		Small Parts	10/14/2011	3	O	0	Active	
2011-10-14-150805		Normal	10/14/2011	7	O	0	Stopped	
2011-10-14-112935		OB	10/14/2011	18	O	0	Stopped	
2011-10-14-112623		Normal	10/14/2011	9	O	0	Stopped	
2011-10-14-085129		Vessel	10/14/2011	7	O	0	Stopped	
2011-10-11-153341		Vessel	10/11/2011	1	O	0	Stopped	
2011-10-11-142748		Normal	10/11/2011	0	O	0	Stopped	
2011-10-11-095136		Normal	10/11/2011	9	O	0	Stopped	
2011-10-11-083212		Small Parts	10/11/2011	5	O	0	Stopped	
2011-10-11-083212		Vessel	10/11/2011	0	O	0	Stopped	
2011-10-10-172952		Vessel	10/10/2011	2	O	0	Stopped	
2011-10-10-163044		Vessel	10/10/2011	1	O	0	Stopped	
2011-10-10-145712		OB	10/10/2011	1	O	0	Stopped	
2011-10-10-100315		Vessel	10/10/2011	10	O	0	Stopped	
2011-10-10-100308		Vessel	10/10/2011	2	O	0	Stopped	

Backup: Save to USB in original ultrasound format.

Recover: Retrieve the 'backup' original data to ultrasound system from USB

Send to: Copy folders to USB, images and reports are saved in PC-readable format.



**Thank  
you!**