

Ultrasonic B-Scanner

UD-8000

Inspire by Digital

Tomey Corporation

# Intuitive & High Resolution



① Intuitive

② Sharply

③ High Resolution

by Fully Digital technology  
in ergonomic design.

# ① Annullar Array Probe

Adjustable focusing by long ultrasound beam

Extra High-resolution  
6 Gradual Reception Dynamic Focus

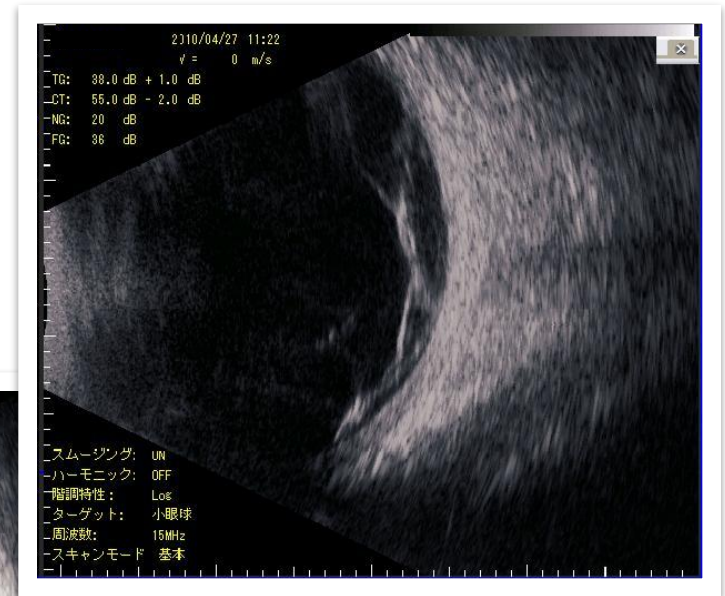
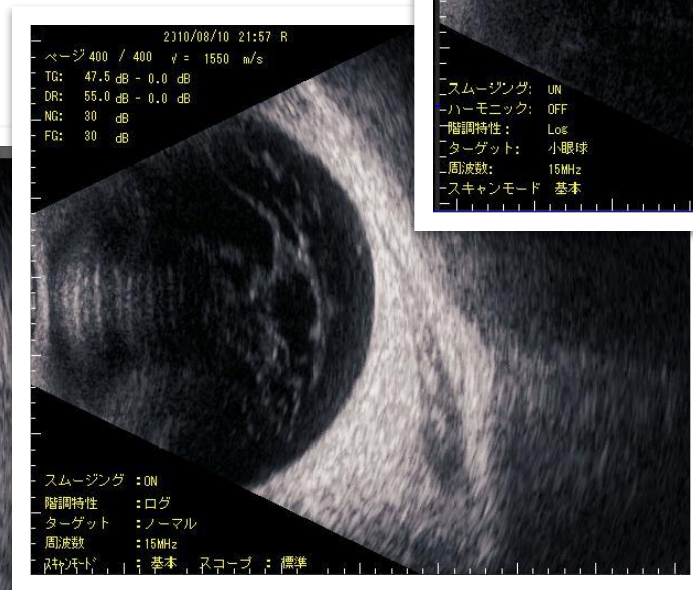
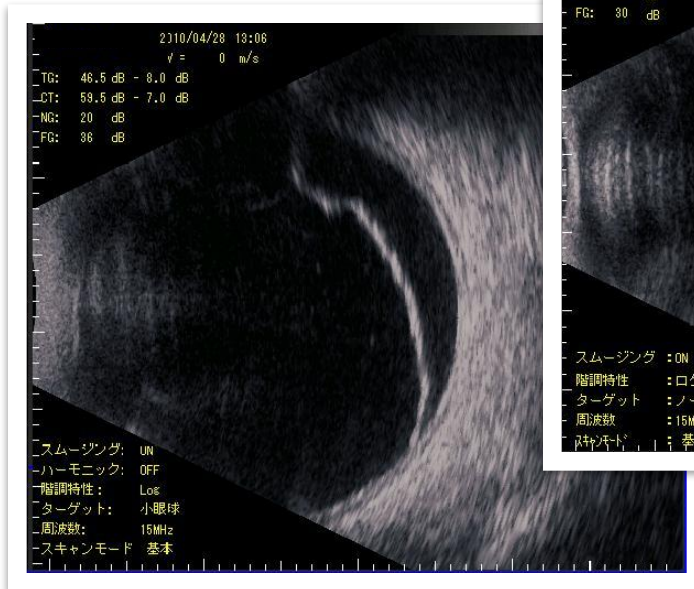
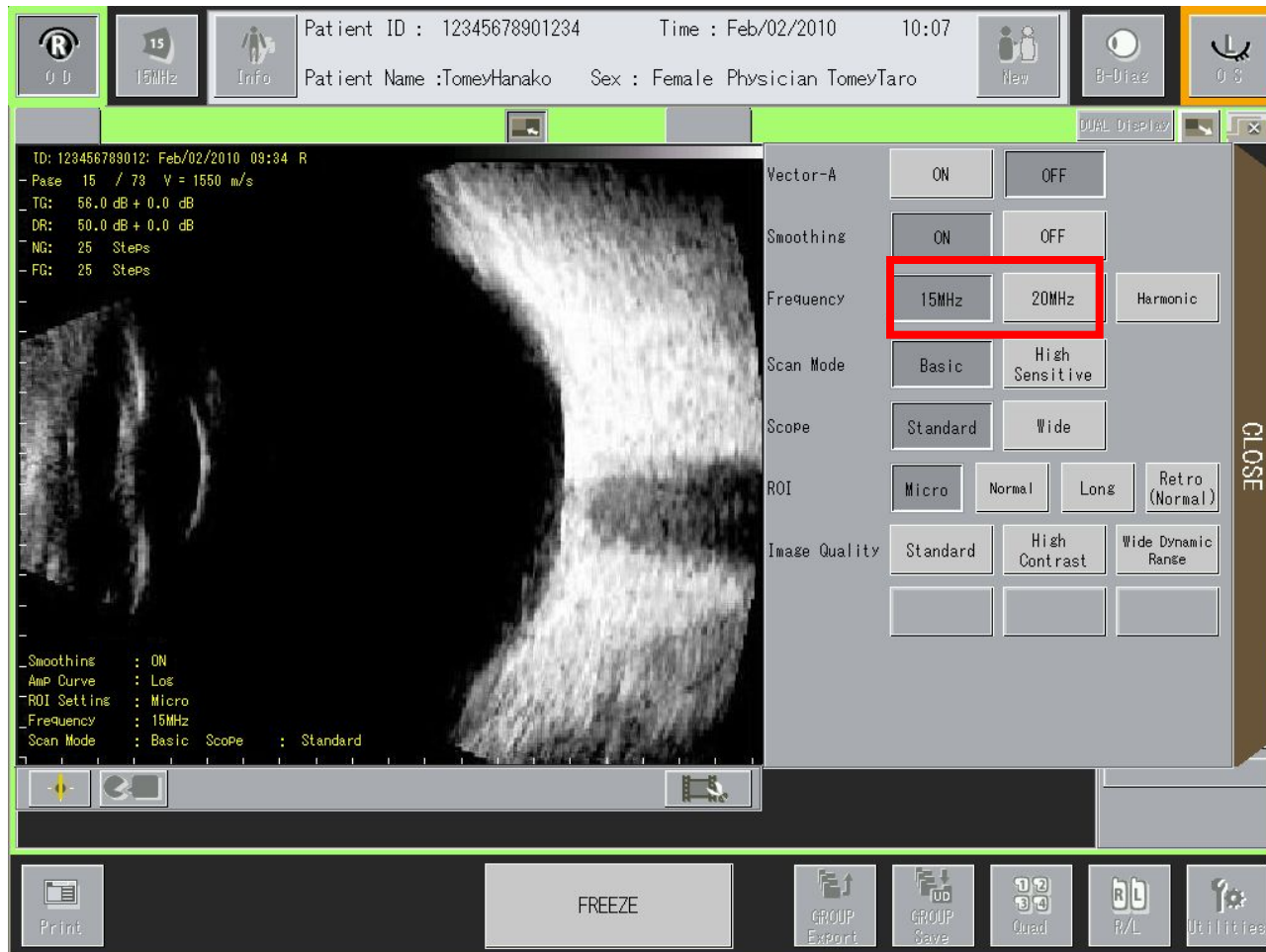


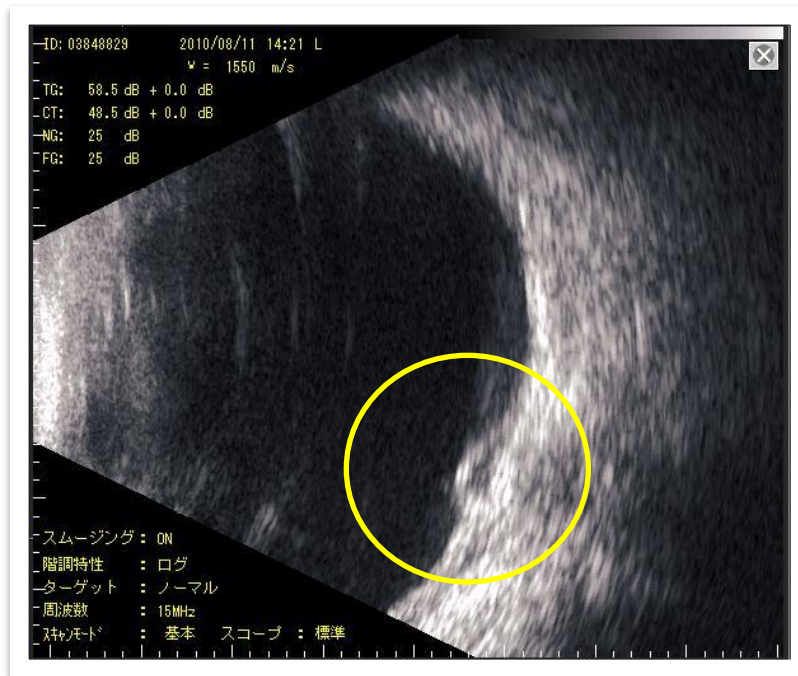
Photo : Courtesy by Fukuoka University, Faculty of Medicine,  
Department of Ophthalmology, JAPAN

## ② 15MHz ↔ 20MHz by one probe



## 15MHz

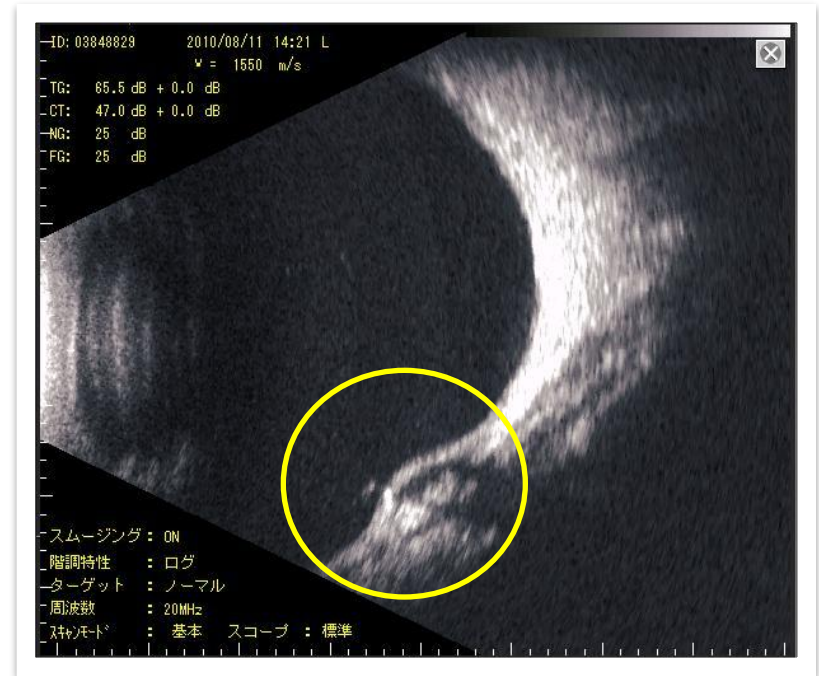
For entirety and Vitreoretinal area  
Retrobulbar area observable



15MHz

## 20MHz

For better Membranous tissue observation  
Resolution enhance for Axial Direction  
(In a transverse direction on the display)  
※ High Frequency  
(Both of Transducer and Receive)

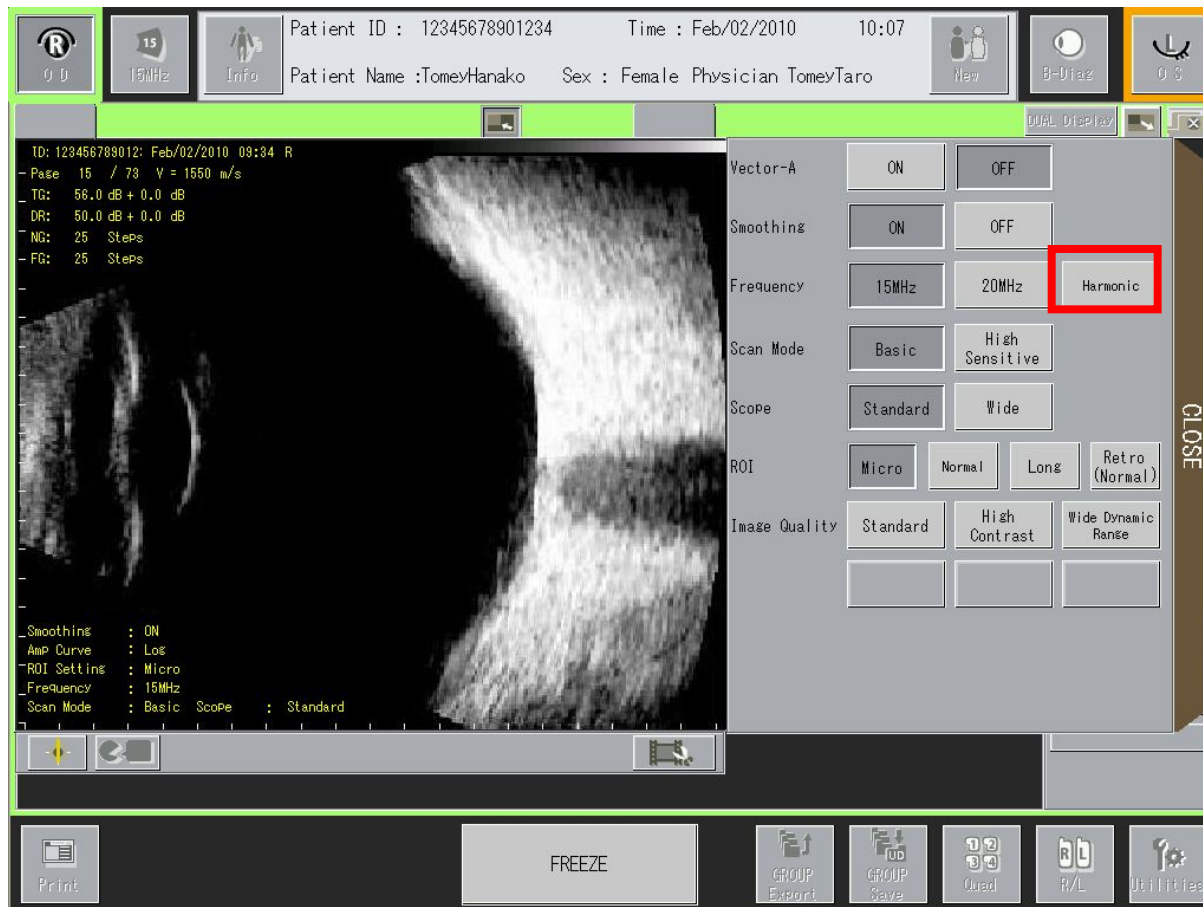


20MHz

# ③ Harmonic

For Optic disc, Macular area disease and ailments observable resolution enhance for Lateral Direction (In a longitudinal direction on the display)

✘Harmonic imaging can be achieved using a wide bandwidth transducer, which can be respond to both the fundamental frequency. 15MHz and its second harmonic 15 MHz x 2



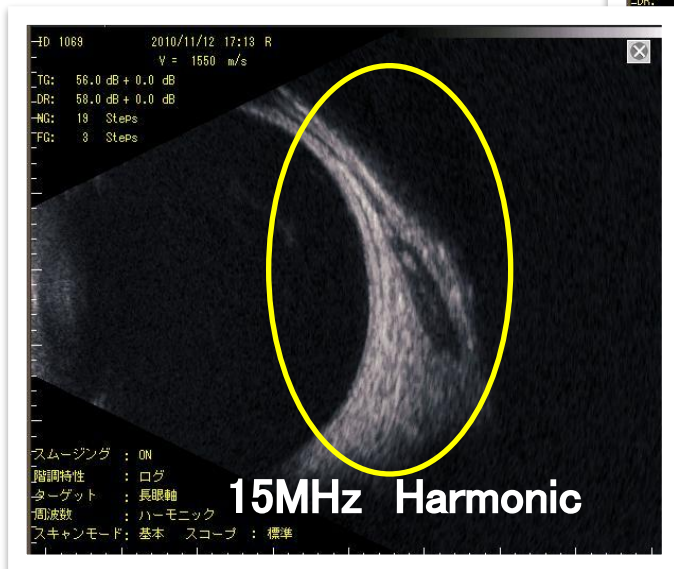
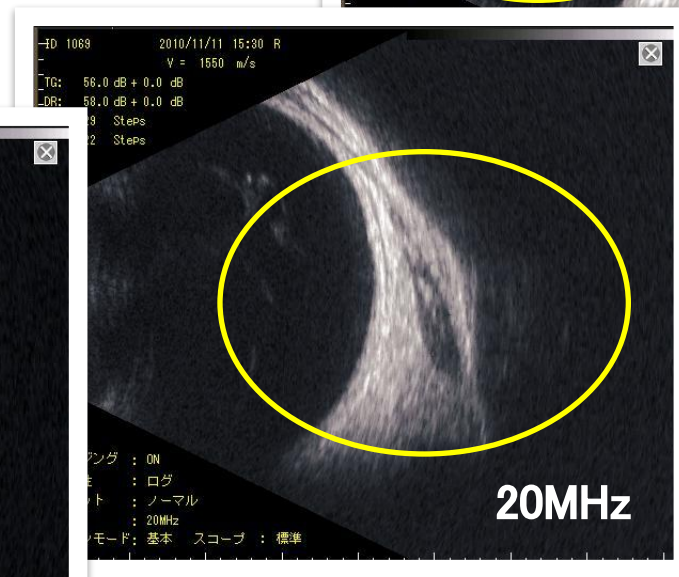
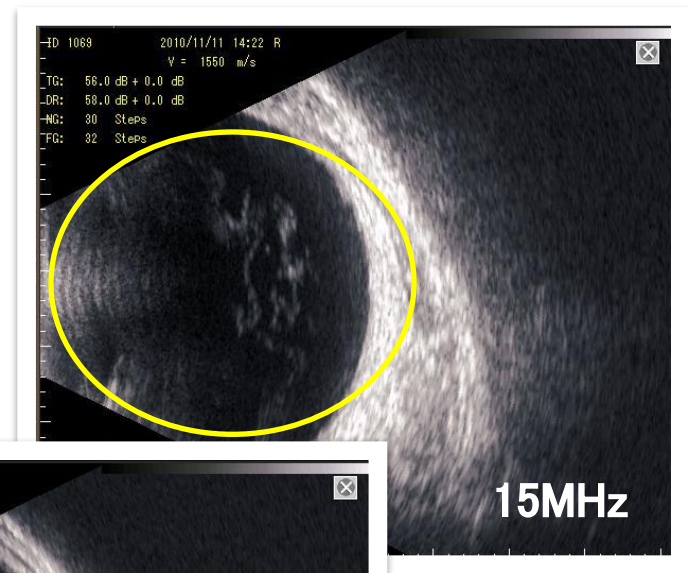
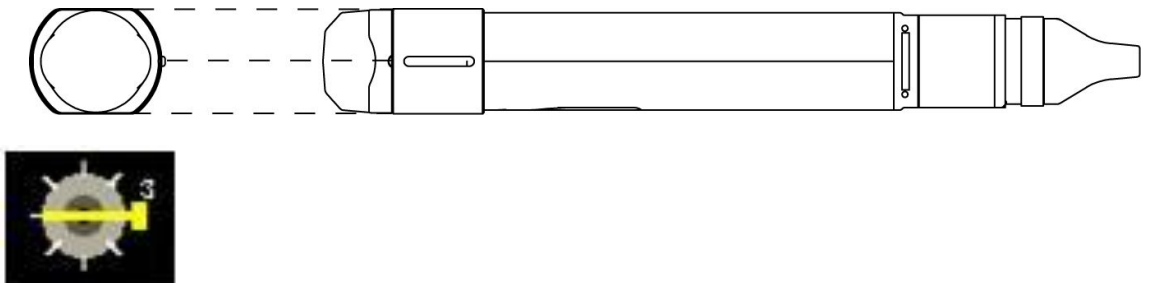
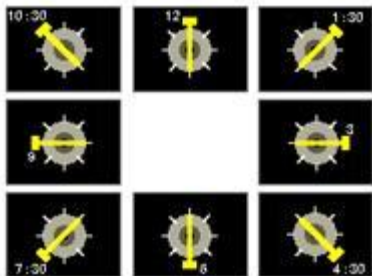
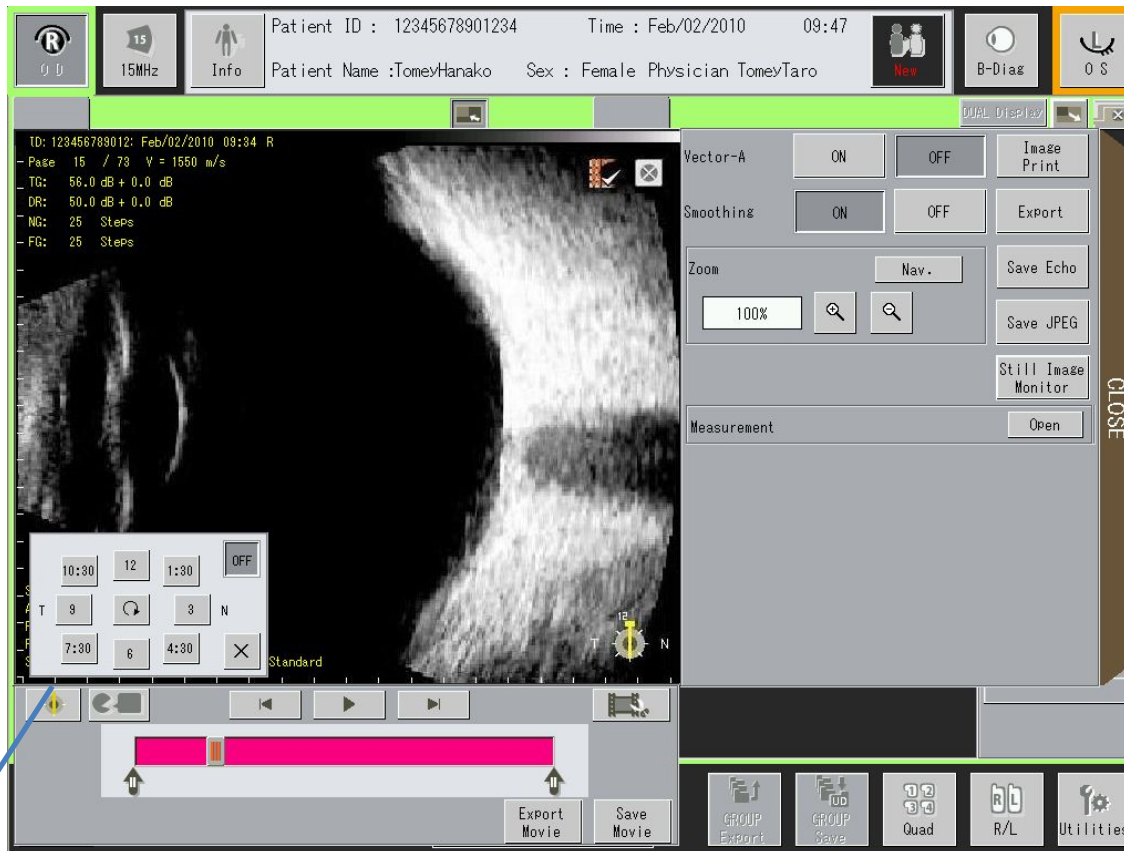


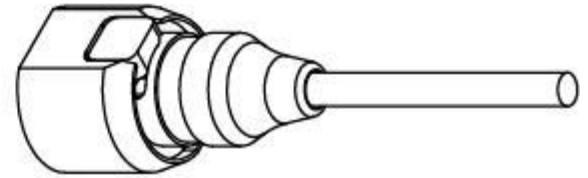
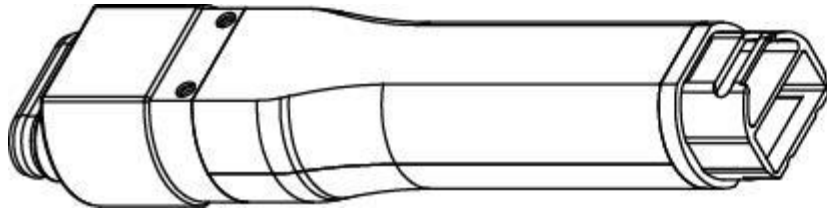
Photo : Courtesy by Fukuoka University, Faculty of Medicine,  
Department of Ophthalmology, JAPAN

# ④ Indicate of probe direction



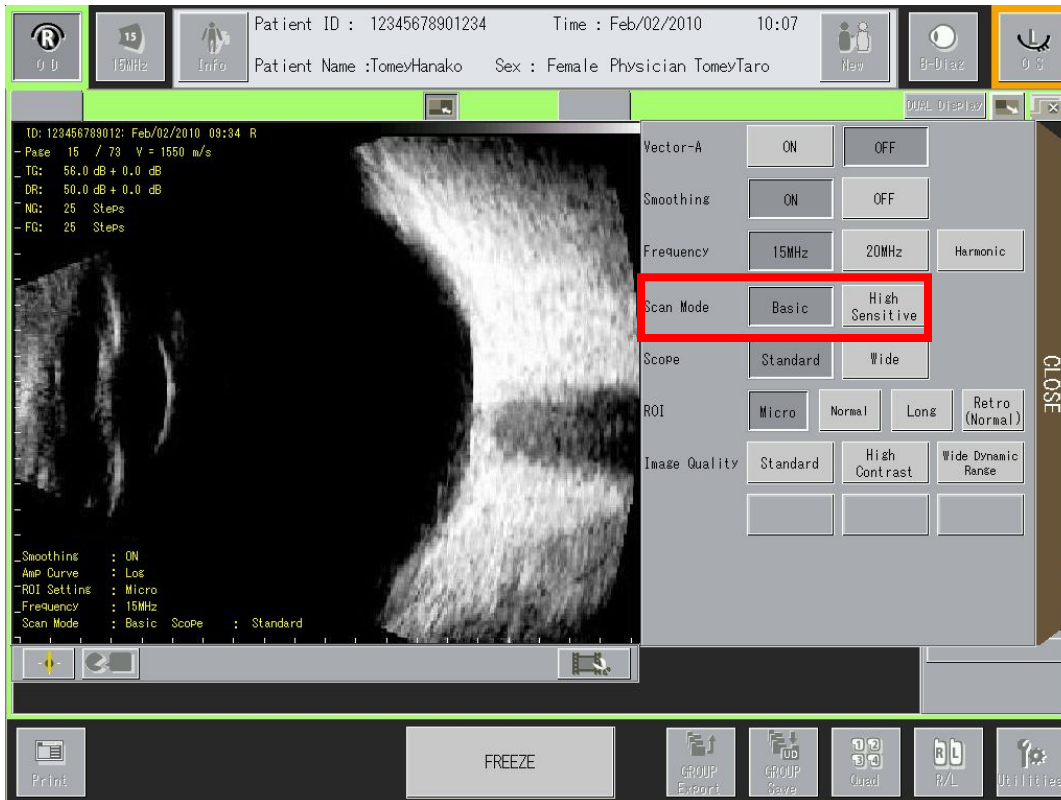


## ⑤ New designed probe



# Function setting

## ① Scan mode



① Standard mode

② High Sensitive Mode

※ Deduct noise, improve SNR

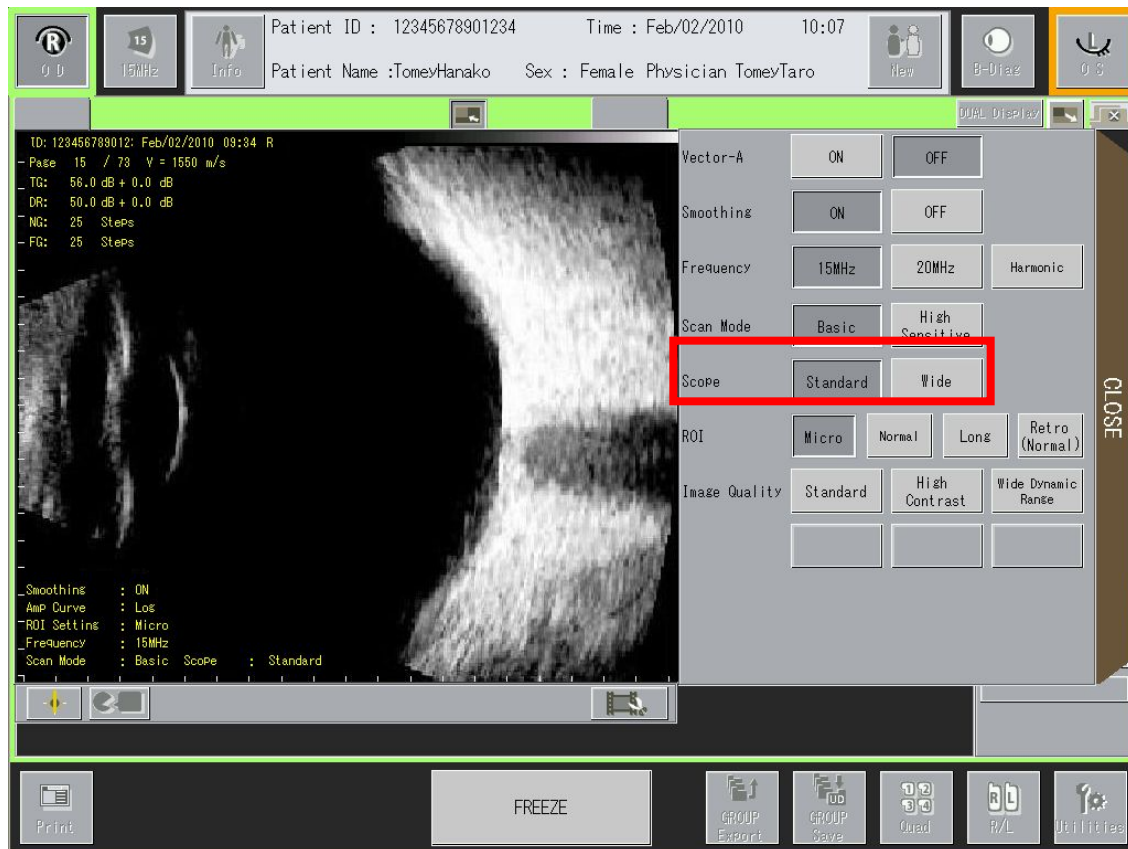
Frame rate ]

① Standard mode : 22 Frames/sec

② High sensitive mode :

11 Frames/sec

## ② Scope (Displayed depth )



Standard → Eye ball

or

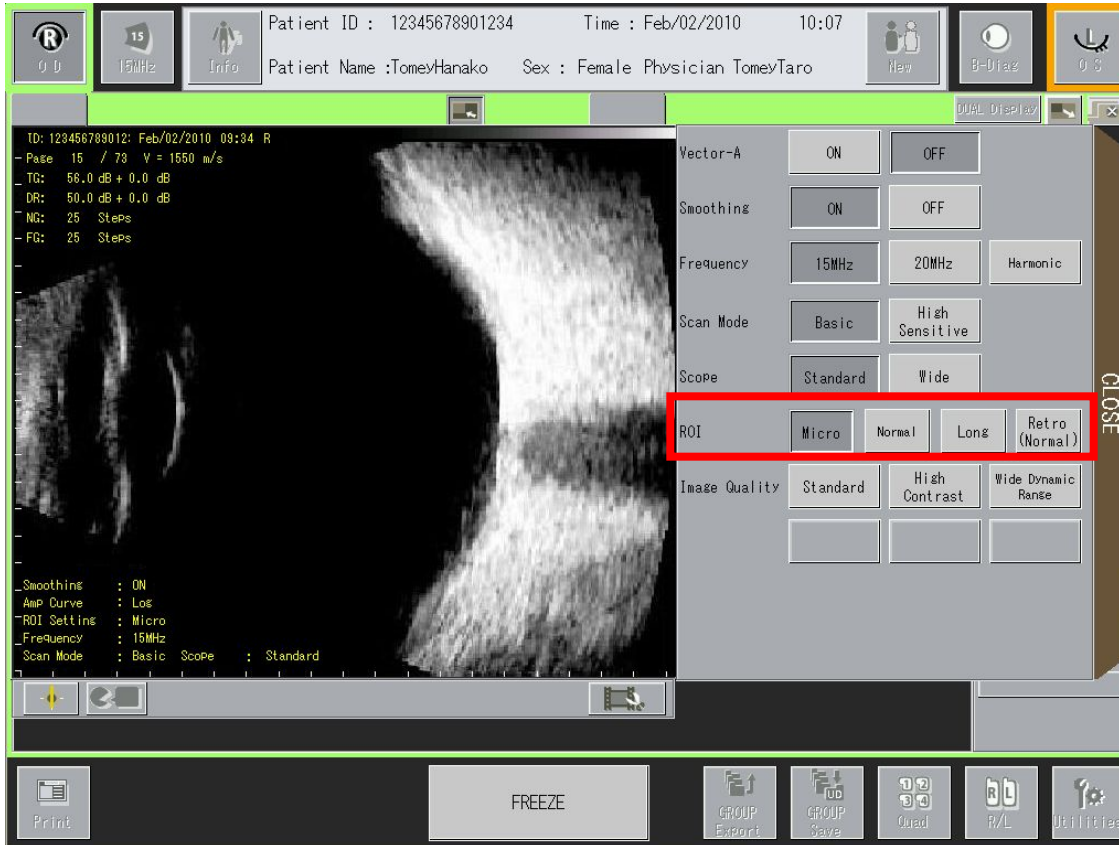
Wide → Orbit

### Display Range】

Standard : 42 mm

Wide : 54 mm

# ③ ROI / Region Of Interest



You can select 4 eye types

Micro ( Child )

Normal

Long

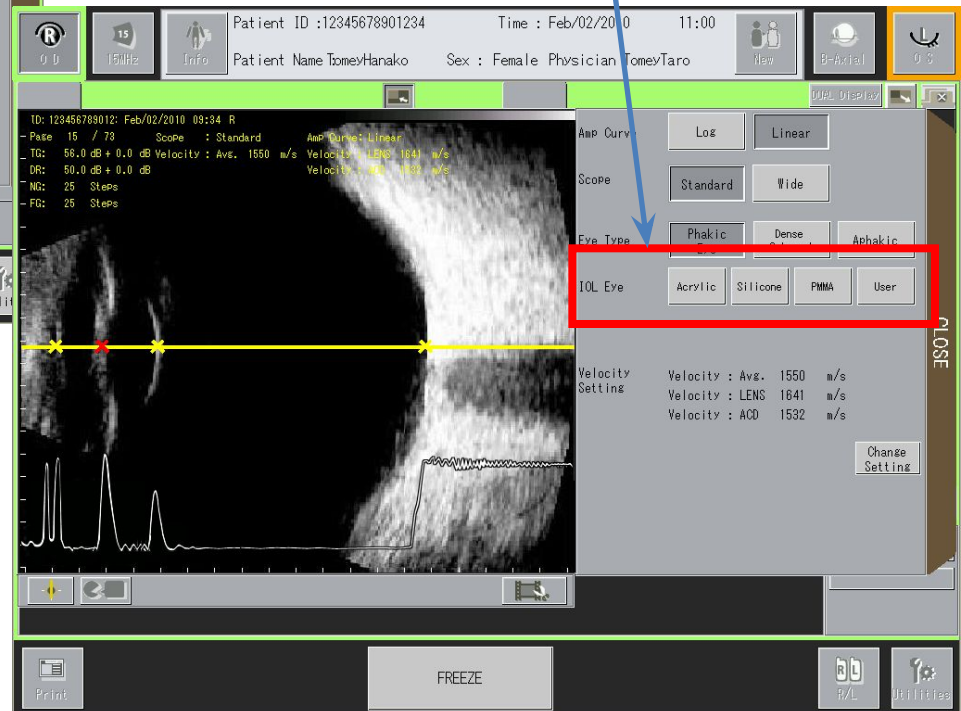
Retro ( Normal )

# B-Axial ( Assistance for A-Biometry)



On screen annotation

Select eye type





# Versatile Function

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① Play back movie

② Zoom

③ Area calculation

④ Dual display

⑤ R/L(OD/OS)

⑥ Smoothing

⑦ Vector A-Mode

⑧ Length measurement

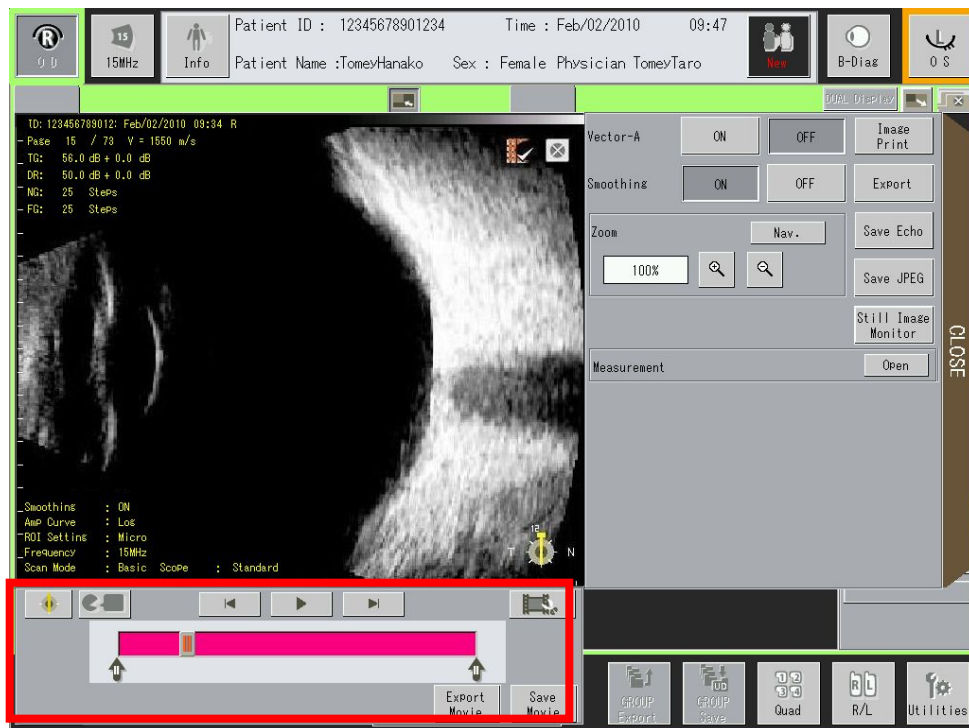
⑨ Angle measurement

⑩ Quad display

⑪ Gain adjustment after freeze

⑫ USB memory

# ① Movie ( Play Back)

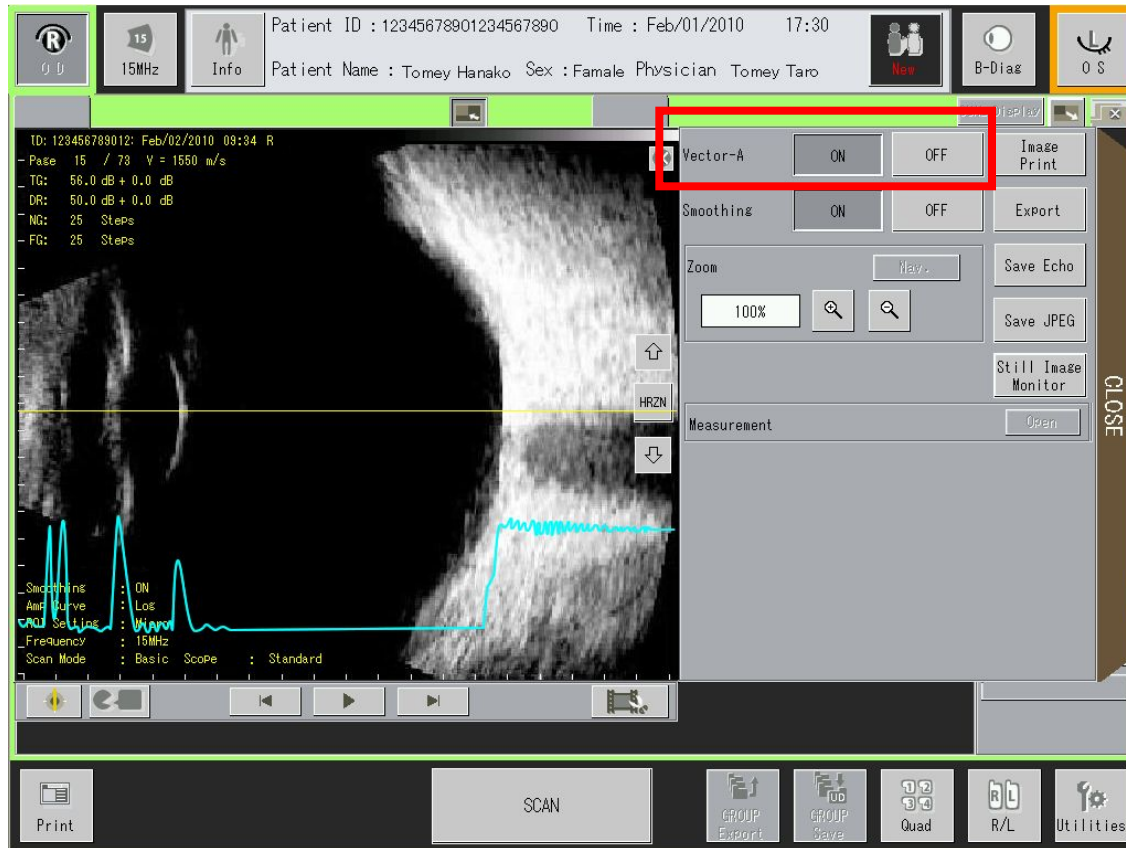


Play back movie by 20 seconds or  
400 frames still images.  
Cut out still image from movie.

You can customize  
cut out image.



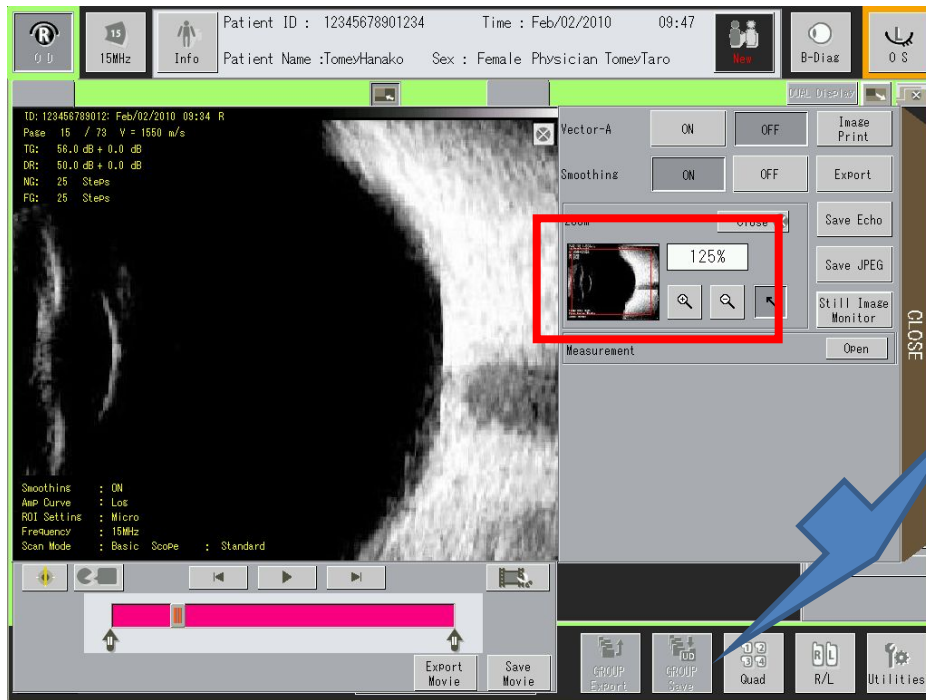
## ② Vector A-Mode



**Temporary A-Biometry**  
by Compare with pathology  
wave form and retina wave  
form.



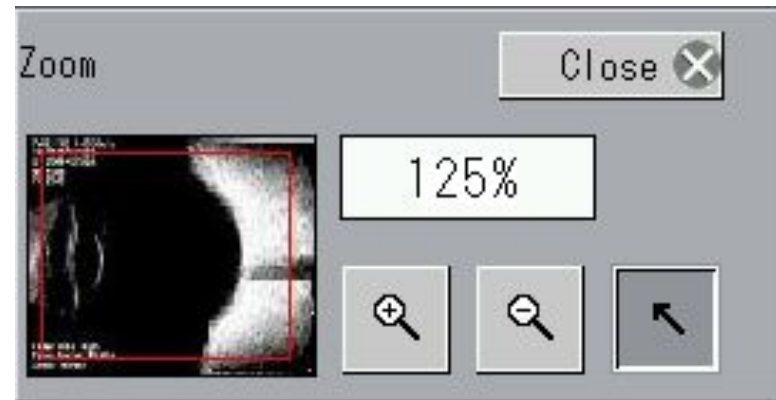
# ③ Zoom



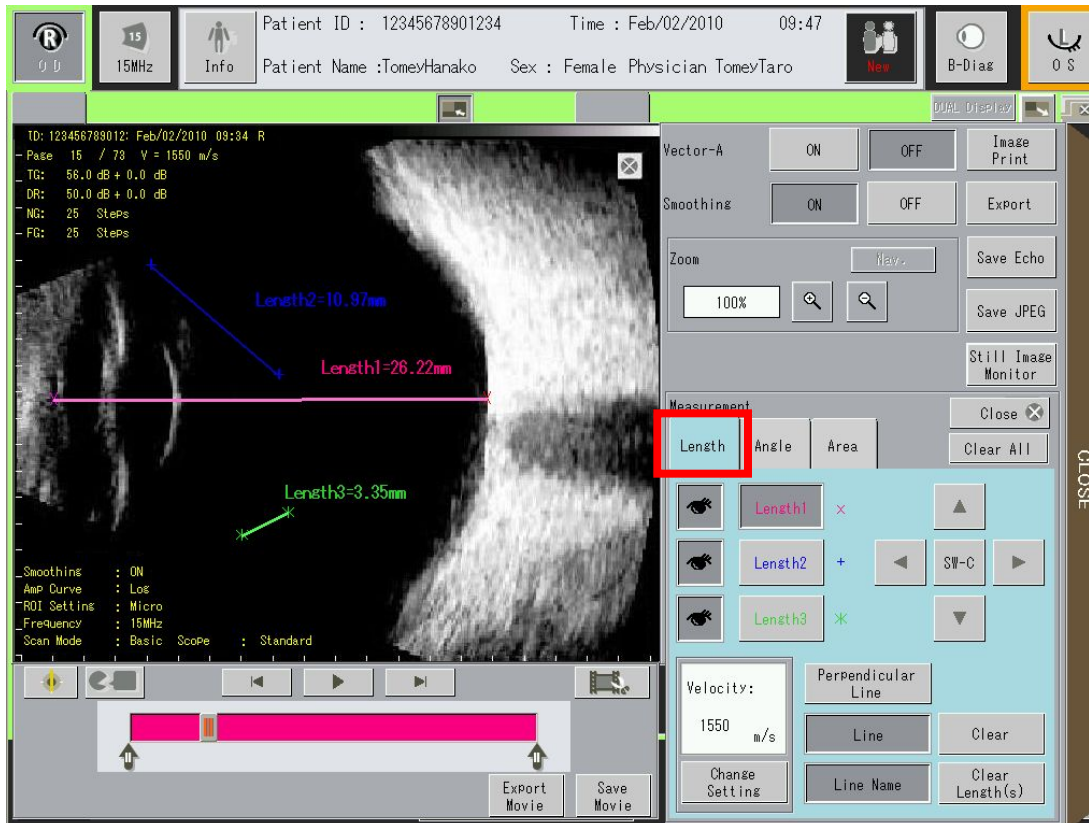
5 steps Zoom

100%, 125%, 150%, 200%, 300%

Intuitive navigation monitor



# ④ Length calculation



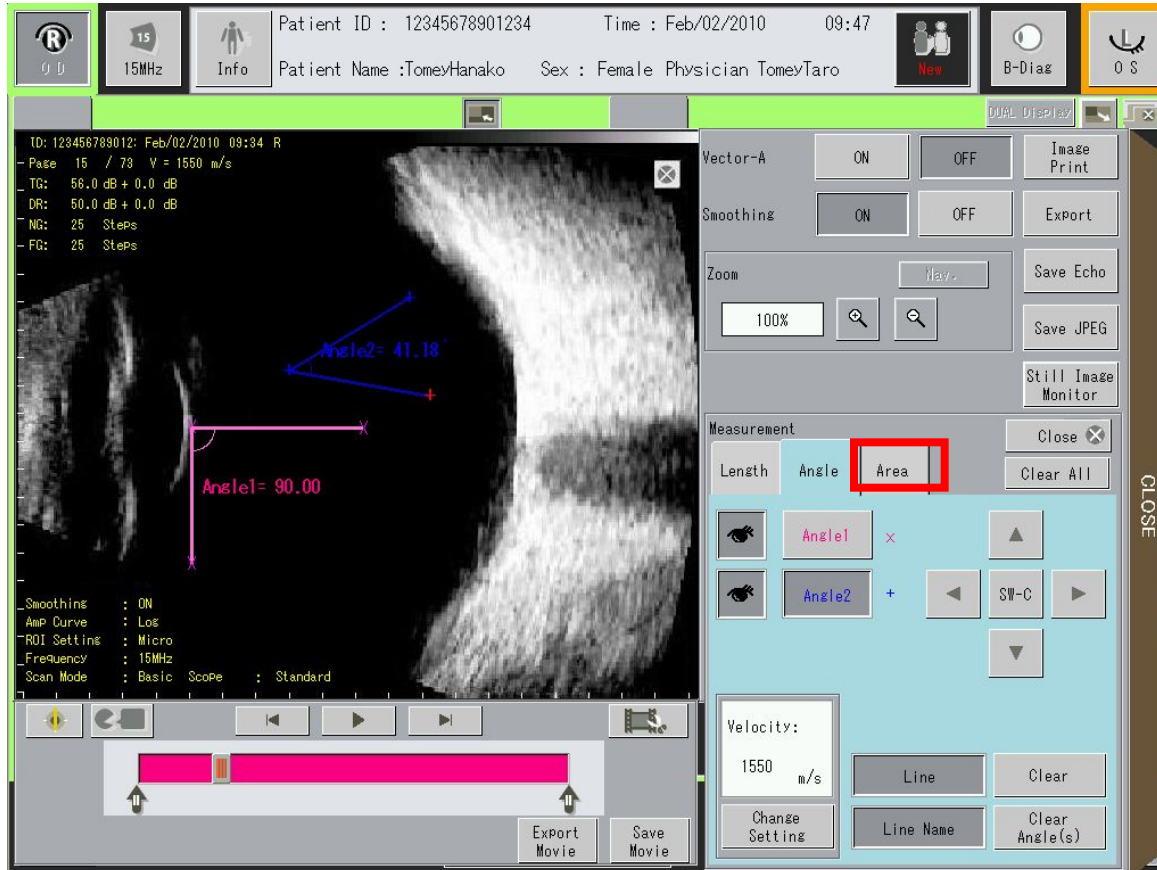
Up to 3 spots on same  
time calculation

# ⑤ Area calculation

The screenshot displays a medical ultrasound software interface. At the top, a patient information bar shows: Patient ID: 12345678901234, Time: Feb/02/2010 09:47, Patient Name: TomeyHanako, Sex: Female, Physician: TomeyTaro. The main display area shows a grayscale ultrasound image with two regions of interest (ROIs) highlighted: a pink oval and a blue oval. The pink ROI is labeled with an area of 55.49 mm<sup>2</sup>, and the blue ROI is labeled with an area of 42.71 mm<sup>2</sup>. The software interface includes various control panels. On the right, there are buttons for 'Vector-A' (ON/OFF), 'Smoothing' (ON/OFF), 'Zoom' (100%), 'Image Print', 'Export', 'Save Echo', 'Save JPEG', and 'Still Image Monitor'. Below these is a 'Measurement' panel with tabs for 'Length', 'Angle', and 'Area'. The 'Area' tab is selected, and it shows two area measurement buttons: 'Area1' (with a red 'x' icon) and 'Area2' (with a blue '+' icon). A slider below the measurement panel ranges from 0 to 255. At the bottom right, a 'Velocity' panel shows a value of 1550 m/s. The bottom of the interface features playback controls and buttons for 'Export Movie' and 'Save Movie'.

Up to 2 spots on same time calculation

# ⑥ Angle calculation



Up to 2 spots on same time calculation

# ⑦ Dual/Quad Display

0 D 15 Info Patient ID : 12345678901234 Time : Feb/02/2010 09:47 Nav B-Diag 0 S

Patient Name :TomeyHanako Sex : Female Physician TomeyTaro

ID:12345678901234 Jan/28/2011 09:58 L  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 59.0 dB + 0.0 dB  
NG: 25 Steps  
FG: 13 Steps

Soothings : ON  
Amp Curve : Los  
ROI Settings : Normal  
Frequency : 20MHz  
Scan Mode : Basic Scope : Standard

Movie Still

ID:12345678901234 Jan/28/2011 09:58 R  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 59.0 dB + 0.0 dB  
NG: 25 Steps  
FG: 13 Steps

Soothings : ON  
Amp Curve : Los  
ROI Settings : Normal  
Frequency : 20MHz  
Scan Mode : Basic Scope : Standard

Movie Still

Print Go to Freeze Screen-> GROUP (Print) GROUP (Save) Quad R/L Utilities

0 D 15 Info Patient ID : 12345678901234 Time : Feb/02/2010 09:47 Nav B-Diag 0 S

Patient Name :TomeyHanako Sex : Female Physician TomeyTaro

ID: 1069 Jan/28/2011 19:53 R  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 59.0 dB + 0.0 dB  
NG: 30 dB  
FG: 32 dB

Soothings : ON  
Amp Curve : Los  
ROI Settings : Lons  
Frequency : 15MHz  
Scan Mode : Basic Scope : Standu

Movie

ID: 1069 Jan/28/2011 10:59 R  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 58.0 dB + 0.0 dB  
NG: 30 dB  
FG: 32 dB

Soothings : ON  
Amp Curve : Los  
ROI Settings : Normal  
Frequency : Harmonic  
Scan Mode : Basic Scope : Standu

Movie

ID: 1069 Jan/28/2011 19:53 R  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 59.0 dB + 0.0 dB  
NG: 30 dB  
FG: 32 dB

Soothings : ON  
Amp Curve : Los  
ROI Settings : Lons  
Frequency : 15MHz  
Scan Mode : Basic Scope : Standu

Movie

ID: 1069 Jan/28/2011 10:01 R  
V = 1550 m/s

TG: 56.0 dB + 0.0 dB  
DR: 50.0 dB + 0.0 dB  
NG: 25 dB  
FG: 26 dB

Soothings : ON  
Amp Curve : Los  
ROI Settings : Lons  
Frequency : 15MHz  
Scan Mode : Basic Scope : Standu

Movie

Print R/L Back

# ⑧ R(OD) / L(OS) Display

The screenshot displays a medical ultrasound interface with two side-by-side video windows. The left window is highlighted with a green border and labeled 'R' (Right Eye) and 'OD' (Oculus Dexter). The right window is highlighted with an orange border and labeled 'L' (Left Eye) and 'OS' (Oculus Sinister). Both windows show a grayscale ultrasound image of an eye. The top status bar contains patient information: Patient ID: 12345678901234, Time: Feb/02/2010 09:47, Patient Name: TomeyHanako, Sex: Female, Physician: TomeyTaro. The top left corner has a '15' icon and '15MHz' text. The top right corner has 'New', 'B-Diag', and 'OS' icons. Each video window has a metadata box in the top left corner with the following text: ID:12345678901234 Jan/28/2011 09:58 L (or R), V = 1550 m/s, TG: 56.0 dB + 0.0 dB, DR: 50.0 dB + 0.0 dB, NG: 25 Steps, FG: 13 Steps. Below the metadata box, there are technical settings: Smoothing: ON, Amp Curve: Log, ROI Settings: Normal, Frequency: 20MHz, Scan Mode: Basic, Scope: Standard. At the bottom of each window are 'Movie' and 'Still' buttons. The bottom of the interface features a 'Print' button, a 'Go to Freeze Screen->' button, and a row of utility buttons: 'GROUP Export', 'GROUP Save', 'Quad', 'R/L', and 'Utilities'.

0 D 15MHz Info Patient ID : 12345678901234 Time : Feb/02/2010 09:47 New B-Diag OS

Patient Name :TomeyHanako Sex : Female Physician TomeyTaro

ID:12345678901234 Jan/28/2011 09:58 L V = 1550 m/s TG: 56.0 dB + 0.0 dB DR: 50.0 dB + 0.0 dB NG: 25 Steps FG: 13 Steps Smoothing : ON Amp Curve : Log ROI Settings : Normal Frequency : 20MHz Scan Mode : Basic Scope : Standard

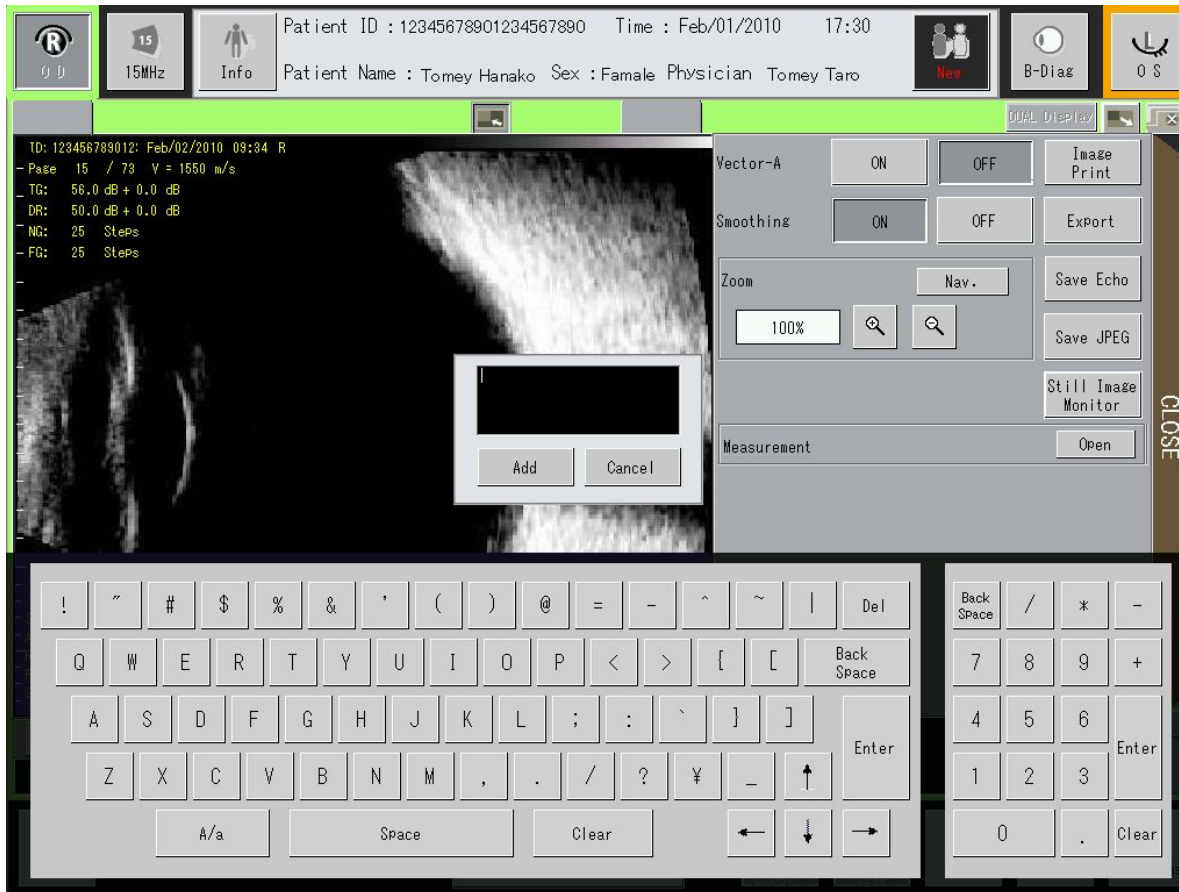
Movie Still

ID:12345678901234 Jan/28/2011 09:58 R V = 1550 m/s TG: 56.0 dB + 0.0 dB DR: 50.0 dB + 0.0 dB NG: 25 Steps FG: 13 Steps Smoothing : ON Amp Curve : Log ROI Settings : Normal Frequency : 20MHz Scan Mode : Basic Scope : Standard

Movie Still

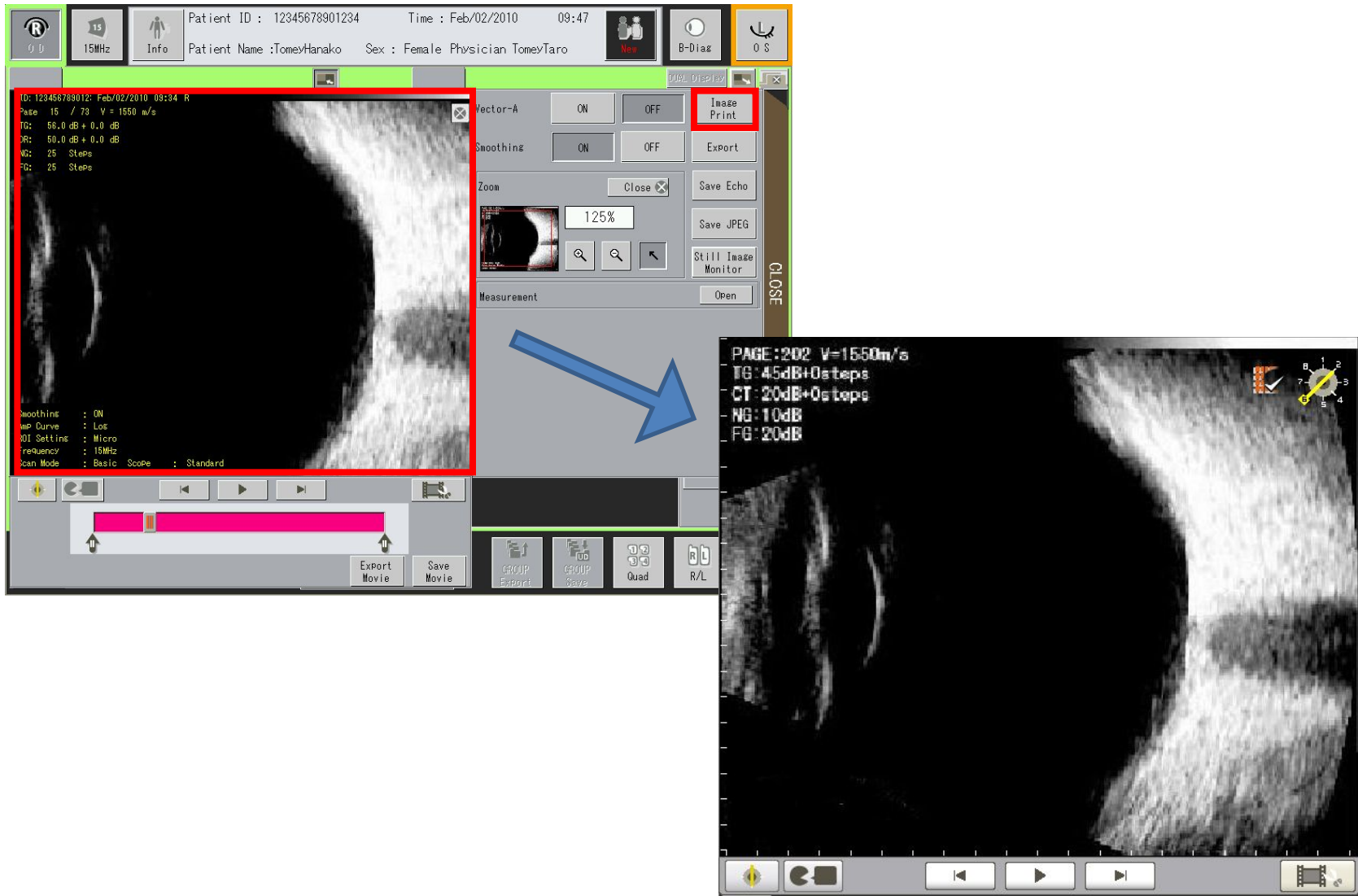
Print Go to Freeze Screen-> GROUP Export GROUP Save Quad R/L Utilities

# ⑨ In put Comment



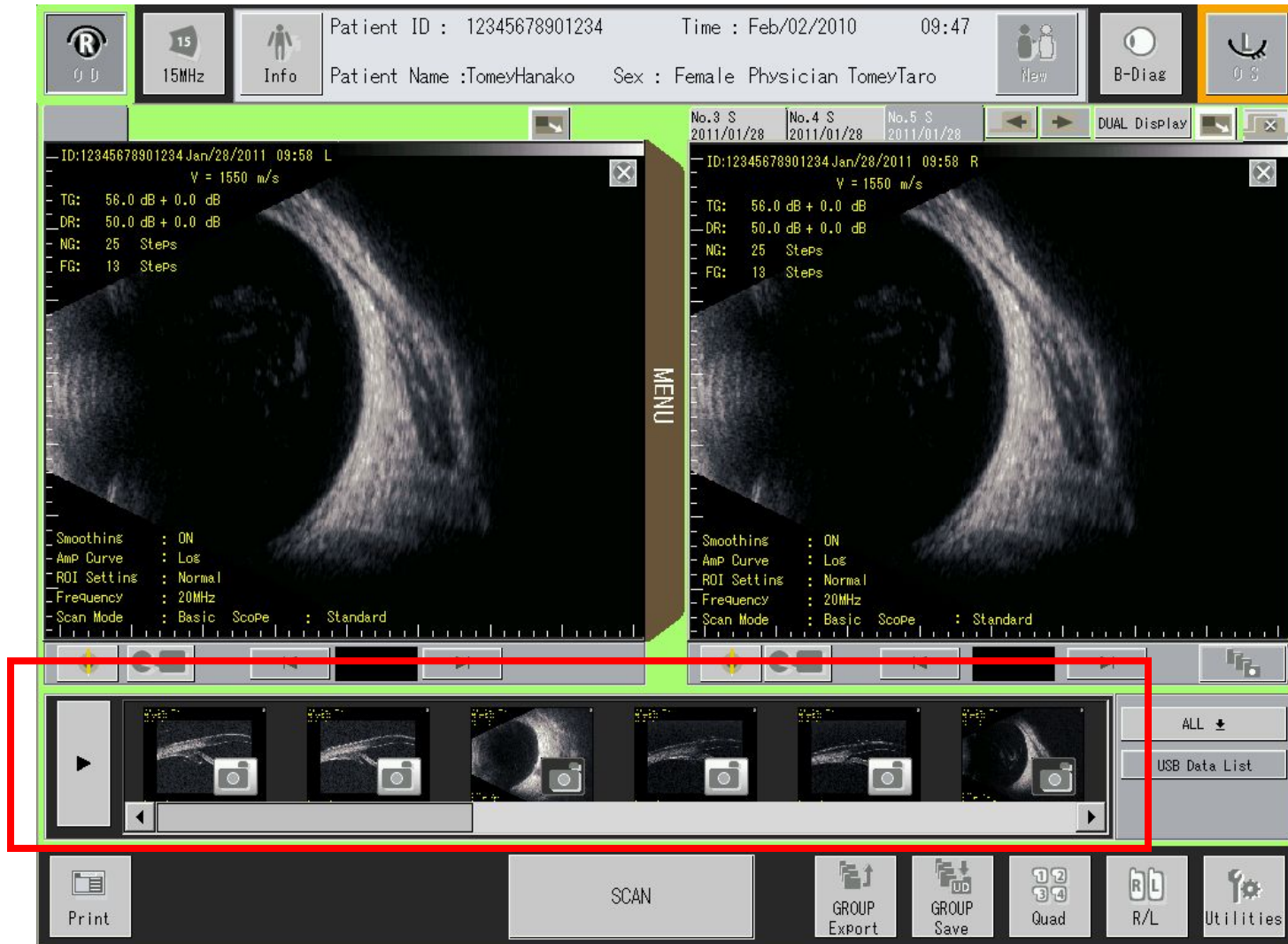
In put comment on  
still picture or movie

# ⑩ Print out by still image part only





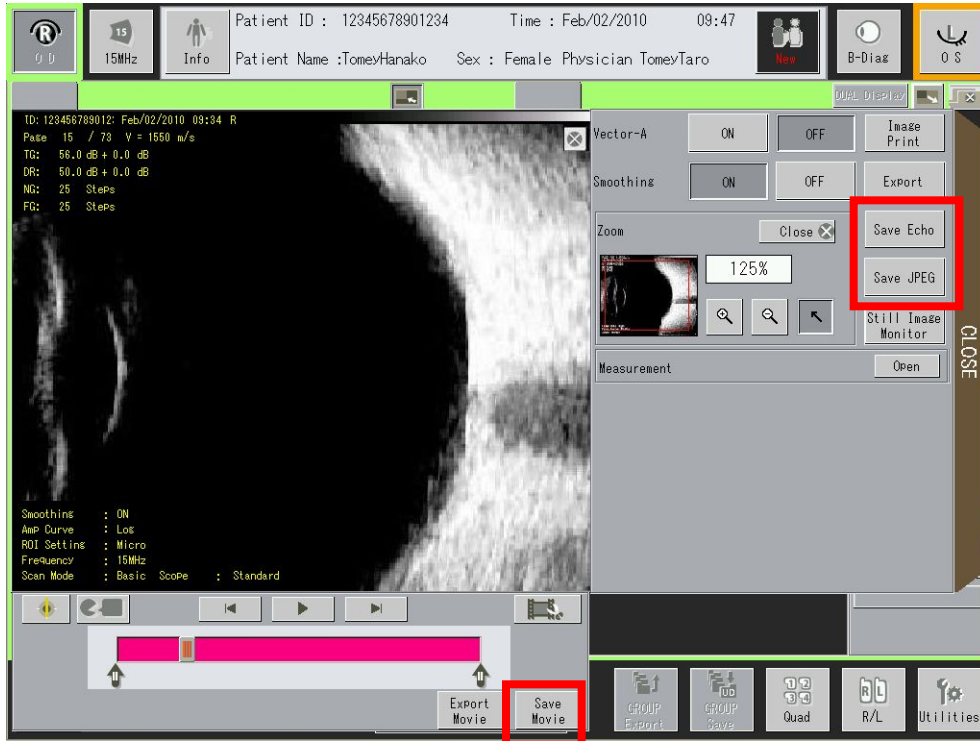
# ⑪ Thumbnail images



# ⑫ Group Export / Group Save

The image displays a medical ultrasound software interface. At the top, a patient information bar shows Patient ID: 12345678901234, Time: Feb/02/2010 09:47, Patient Name: TomeyHanako, and Sex: Female. Below this, two B-mode ultrasound images are shown side-by-side in a dual display mode. Each image includes technical parameters such as TG: 56.0 dB + 0.0 dB, DR: 50.0 dB + 0.0 dB, NG: 25 Steps, and FG: 13 Steps. A central vertical menu is visible between the two images. At the bottom of the interface, a toolbar contains several buttons. The 'GROUP Export' and 'GROUP Save' buttons are highlighted with a red rectangular box. Other buttons include 'Print', 'SCAN', 'Quad', 'R/L', and 'Utilities'. A 'USB Data List' button is also present on the right side of the toolbar area.

# Save / Output

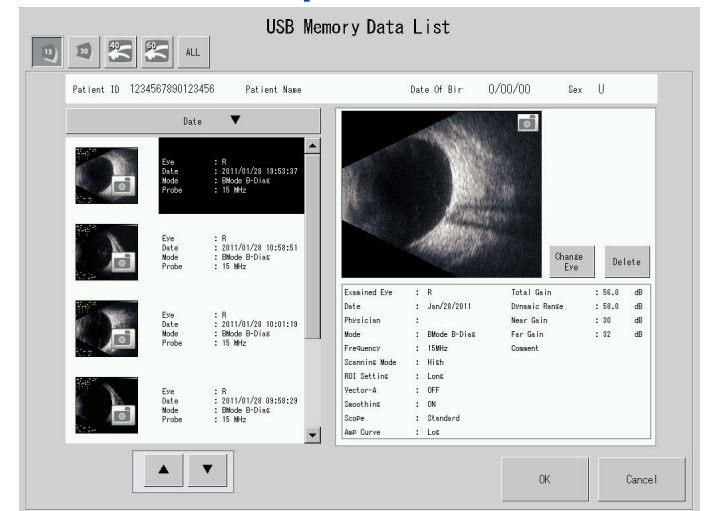


## ① Still image

Save Echo or JPEG format  
( Re-Display, Edit possible )

## ② Movie

Save in USB memory by Echo  
format and out put.



# USB memory save capacity

**ID : 32,750 Patients (Max)**  
**Group Save : 64 Groups/Patient**  
**20 still pictures/Group**  
**USB size : 32GB (Max Acceptable)**

**15Mhz B-Scan (Estimate)**

## Still picture

32GB Approximately 123,000 picture  
16GB Approximately 61,500 Pictures  
8GB Approximately 30,700 Pictures

## Movie ( Max. 400frames for each file)

32GB Approximately 400frames = 307files  
16GB Approximately 400 frames = 150files  
8GB Approximately 400 frames = 70files

1 still picture = 260KB = 0.26MB

## UBM 60Mhz B-Scan (Estimate)

### Still picture

32GB Approximately 56,700 Pictures  
16GB Approximately 28,300 Pictures  
8GB Approximately 14,100 Pictures

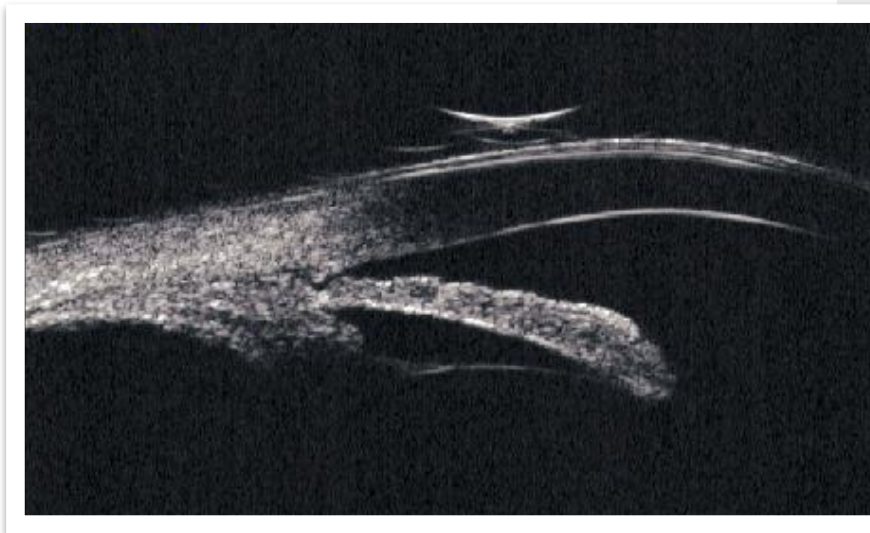
### Movie ( Max. 100frames for each file)

32GB Approximately 100frames = 567files  
16GB Approximately 100 frames = 283files  
8GB Approximately 100frames = 141files

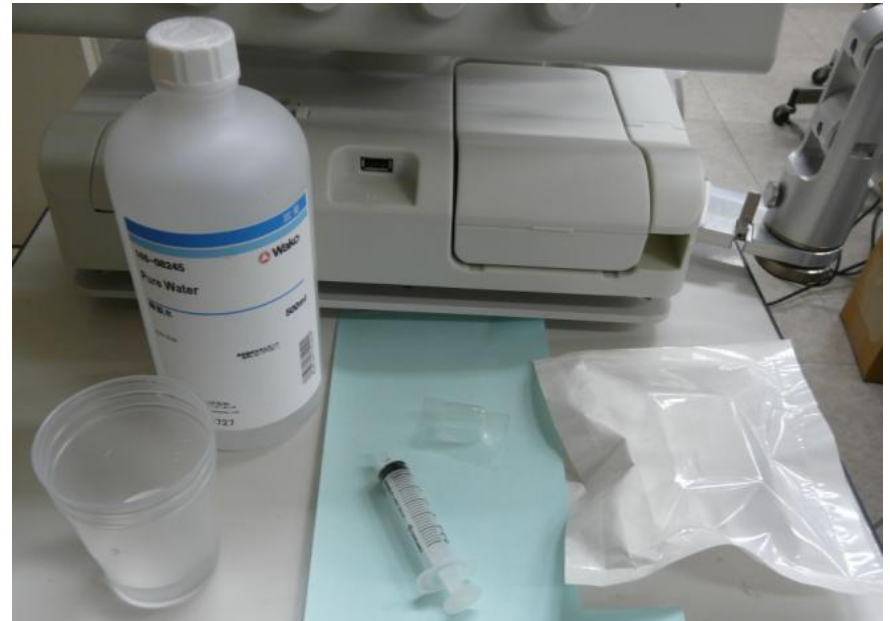
1 still picture = 260KB = 0.26MB

# UBM 60MHz / UD-8060

( Membrane waterproofing cap / No Eye Cup )



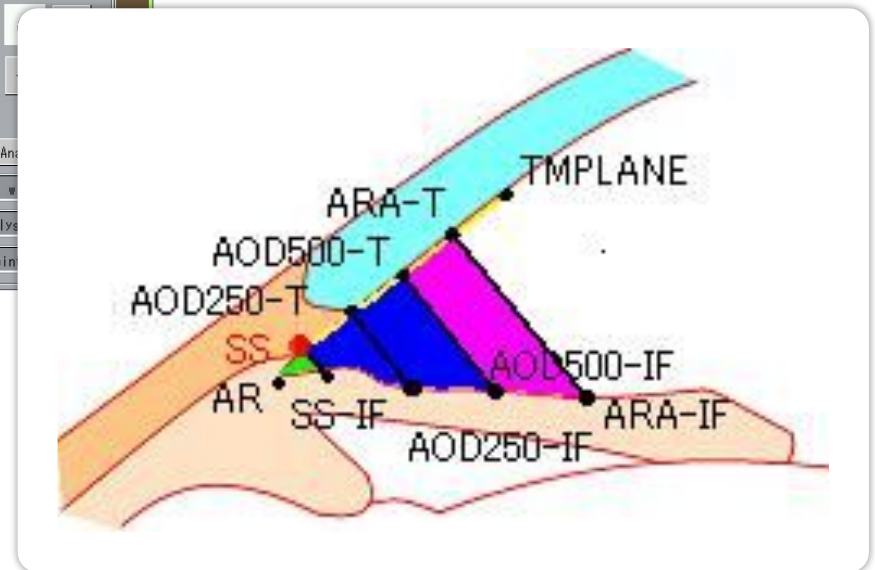
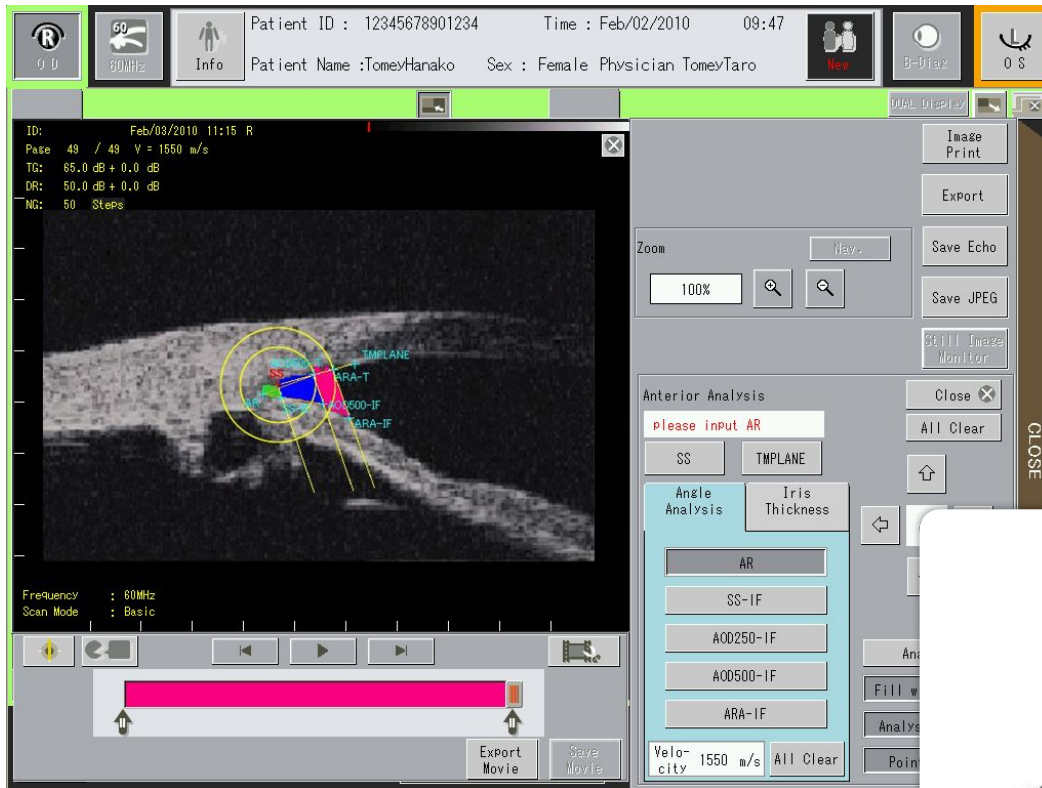
- ① Disposable
- ② No eye cup
- ③ Sitting position





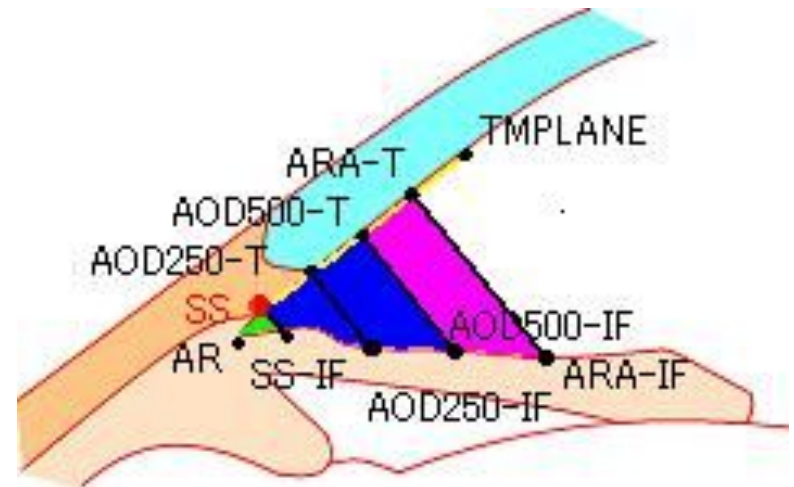


# Angle Analysis



## Angle Analysis Parameter ]

SS	:	Sclera: The angle corner side of the line segment that constitutes the trabeculum plain
TMPLANE	:	The cornea side of the line segment that constitutes the trabeculum plain
SS-IF	:	The intersection of the iris anterior surface and the line that crosses SS and is vertical to the line that crosses SS and TMPLANE
AOD250-T	:	The measurement point on the trabeculum side of AOD250
AOD250-IF	:	The measurement point on the iris side of AOD250
AOD500-T	:	The measurement point on the trabeculum side of AOD500
AOD500-IF	:	The measurement point on the iris side of AOD500
ARA-T	:	A point, on the trabeculum (on the corneal surface), that is 750 um away from the sclera.
ARA-IF	:	The intersection of the iris anterior surface and the line that crosses ARA-T and is vertical to the line that crosses SS and ARA-T
AR	:	Angle point
AOD250	:	Distance between AOD250-T and AOD250-IF
AOD500	:	Distance between AOD500-T and AOD500-IF
AOD700	:	Distance between AOD700-T and AOD700-IF
ARA500	:	The area of the angle area defined by the line that crosses AOD500-T and AOD500IF
ARA750	:	The area of the angle area defined by the line that crosses AOD700-T and AOD700-IF
TISA500	:	The area of the angle area defined by the line that crosses SS and SS-IF and the line that crosses AOD500-T and AOD500IF
TISA700	:	The area of the angle area defined by the line that crosses SS and SS-IF and the line that crosses AOD700-T and AOD700-IF
TIA500	:	The angle between the line AB to AOD500-T and the line AB to AOD500-IF.



# Iris Analysis

Patient ID : 12345678901234    Time : Feb/02/2010    09:47  
 Patient Name : TomeyHanako    Sex : Female    Physician TomeyTaro

ID: Feb/03/2010 11:15 R  
 Pace 49 / 49    V = 1550 m/s  
 TG: 65.0 dB + 0.0 dB  
 DR: 50.0 dB + 0.0 dB  
 NG: 50 Steps

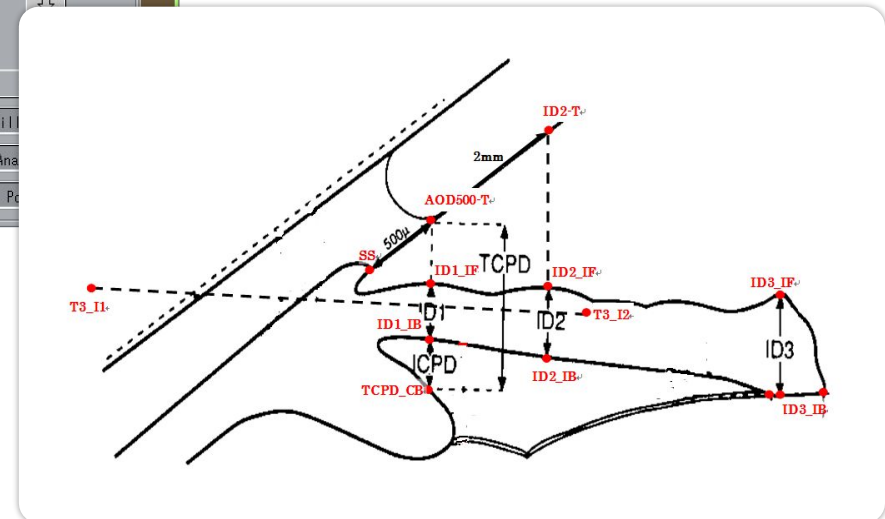
Frequency : 80MHz  
 Scan Mode : Basic

Anterior Analysis  
 please input SS  
 SS    TMPLANE  
 Angle Analysis    Iris Thickness  
 T3    T3-IF    T3-IB  
 ID1    ID1-IF    ID1-IB  
 TCPD    TCPD-CB  
 ID2    ID2-IF    ID2-IB  
 ID3    ID3-IF    ID3-IB  
 Velocity 1550 m/s    All Clear

Image Print  
 Export  
 Save Echo  
 Save JPEG  
 Still Image Monitor  
 Close  
 All Clear  
 SS  
 TCPD  
 ID1  
 ID2  
 ID3  
 Fill  
 Ana  
 Pe

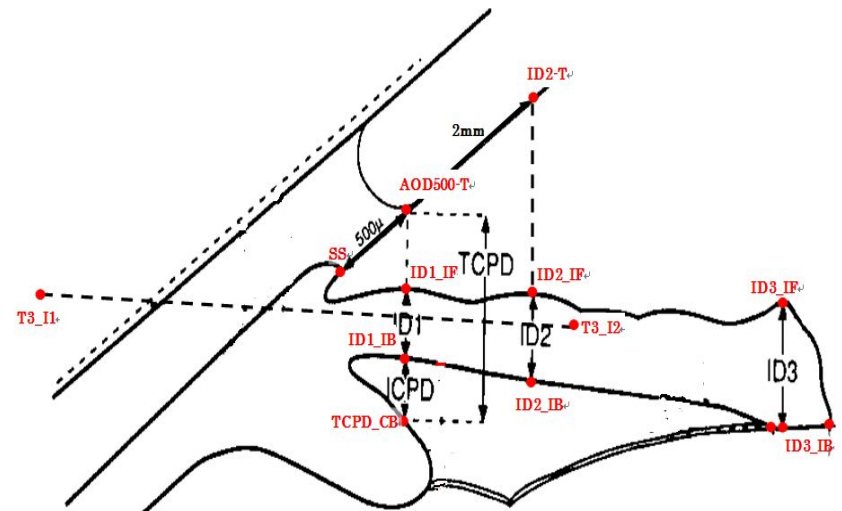
Zoom 100%  
 Nav.

CLOSE



# Iris Analysis Parameter ]

T3-I1	:	Terminal point 1 of line T3
T3-I2	:	Terminal point 2 of line T3
ID1-IF	:	The intersection of the iris anterior surface and the line that crosses AOD500-T and is vertical to line T3
ID1-IB	:	The intersection of the iris posterior surface and the line that crosses AOD500-T and is vertical to line T3
TCPD-CB	:	The intersection of the ciliary process surface and the line that crosses AOD500-T and is vertical to line T3
ID2-T	:	The point, on the corneal surface, that is 2 mm away from SS
ID2-IF	:	The intersection of the iris anterior surface and the line that crosses ID2-T and is vertical to line T3
ID2-IB	:	The intersection of the iris posterior surface and the line that crosses ID2-T and is vertical to line T3
ID3-IF	:	The point, on the iris anterior surface, at which the distance between the intersections of the T3-vertical line and the iris anterior and posterior surfaces first marks a peak value when measured from the pupil side
ID3-IB	:	The point, on the iris posterior surface, at which the distance between the intersections of the T3-vertical line and the iris anterior and posterior surfaces first marks a peak value when measured from the pupil side
ID1	:	Distance between ID1-IF and ID1-IB
ID2	:	Distance between ID2-IF and ID2-IB
ID3	:	Distance between ID3-IF and ID3-IB
TCPD	:	Distance between AOD500-T and TCPD-CB
ICPD	:	Distance between ID1-IB and TCPD-CB





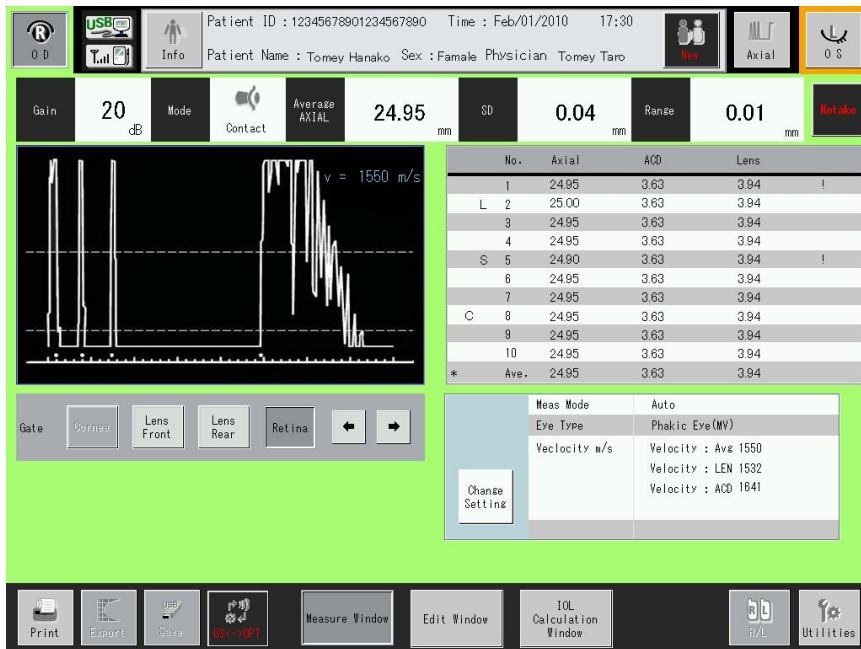
## AL-4000 ( Biometry/Pachymetry)

- ① A-Biometry
- ② IOL Power calculation
- ③ Pachymetry

USB or Bluetooth communication

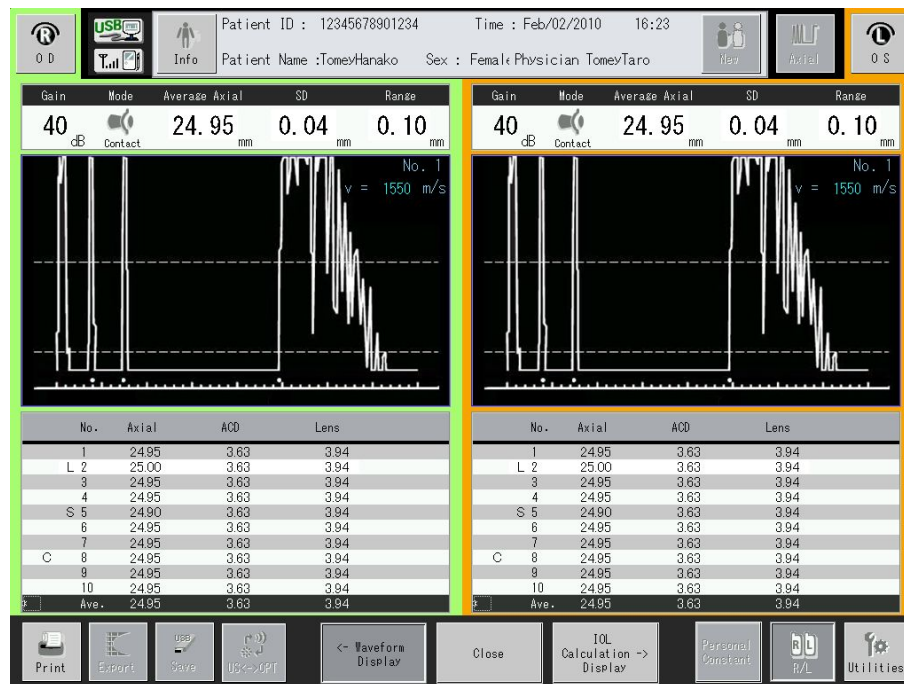


# ① A-Biometry



One eye

Both eye (R/L)



# ② IOL Power calculation

Info Patient ID : 12345678901234 Time : Feb/02/2010 16:23  
Info Patient Name :TomeyHanako Sex : Female Physician TomeyTaro

**Gain** 40 **Mode** Contact **Average Axial** 24.95 mm **SD** 0.04 mm **Range** 0.10 mm  
 v = 1550 m/s

**US Result**  
 Axial 24.95 ACD 3.63 K1 (D) 40.00 K2 (D) 40.00 Desired Ref. -1.00  
 K1 = 1.3375

**IOL Power Formulas**  
 SRK II A-Const 120.00 HAIGIS opt a0 0.500 a1 0.030 a2 0.100  
 Model MODEL1 COMPANY1  
 Power 22.38 22.38 19.09 19.09

No.	Axial	ACD	Lens
1	24.95	3.63	3.94
L 2	25.00	3.63	3.94
3	24.95	3.63	3.94
4	24.95	3.63	3.94
S 5	24.90	3.63	3.94
6	24.95	3.63	3.94
C 7	24.95	3.63	3.94
8	24.95	3.63	3.94
9	24.95	3.63	3.94
10	24.95	3.63	3.94
Ave.	24.95	3.63	3.94

Implants IOL Model Imp. Diopter Post-Op RP

One eye

Info Patient ID : 12345678901234 Time : Feb/02/2010 15:13  
Info Patient Name :TomeyHanako Sex : Female Physician TomeyTaro

**US Result**  
 Axial 24.95 ACD 3.00 K1 (D) 40.00 K2 (D) 40.00 Desired Ref. -1.00  
 K1 = 1.3375

**IOL Power Formulas**  
 SRK II A-Const 120.00 HAIGIS opt a0 0.500 a1 0.030 a2 0.100  
 Model MODEL1 COMPANY1  
 Power 22.38 22.38 19.09 19.09

No.	Axial	ACD	Lens
1	24.95	3.00	3.94
L 2	25.00	3.00	3.94
3	24.95	3.00	3.94
4	24.95	3.00	3.94
S 5	24.90	3.00	3.94
6	24.95	3.00	3.94
C 7	24.95	3.00	3.94
8	24.95	3.00	3.94
9	24.95	3.00	3.94
10	24.95	3.00	3.94
Ave.	24.95	3.00	3.94

Implants IOL Model Imp. Diopter 0.00 Post-Op RP 0.00

Both eye (R/L)

# ③ Pachymetry

Patient ID : 12345678901234567890 Time : Feb/01/2010 17:30  
 Patient Name : Tomey Hanako Sex : Female Physician : Tomey Taro

**Actual** 300-1000  $\mu$ m Retake  
**476  $\mu$ m**

Average		SD	
$\mu$ m	$\mu$ m	$\mu$ m	$\mu$ m
478	478	5.9	5.9

1 477 CCT 6 462  $\phi$ 8.0 - 0° (I)  
 2 1500  $\phi$ 8.0 0° (S) 7 1500  $\phi$ 8.0 45° (I)  
 3 490  $\phi$ 8.0 45° (S) 8 462  $\phi$ 8.0 90° (I)  
 4 262  $\phi$ 8.0 90° (S) 9 490  $\phi$ 8.0 135° (I)  
 5 490  $\phi$ 8.0 135° (S) 10 490 CCT

Measurement Point Map  
 Superior 90°  
 Inferior 90°  
 0° 0°

Meas Method: Auto  
 Velocity: 1840 m/s  
 Bias Value: 70 %  
 Meas Data Displ: Actual  
 Meas Data Selection: Latest

Delete Calliper Meas Point Change Meas Point  
 Print Export Save USB-Data Meas/Edit Calibration IOP Subtraction R/L Utilities

One eye

Patient ID : 12345678901234 Time : Feb/02/2010 15:13  
 Patient Name : Tomey Hanako Sex : Female Physician : Tomey Taro

300-1000  $\mu$ m 300-1000  $\mu$ m

No. 4 No. 10

$$\text{Cor. IOP} = \text{Meas IOP} + \Delta P$$

$$\Delta P = ( \text{545} - \text{CCT} ) \times 0.0452$$

Meas IOP : 26.00 hPa  
 CCT : 553  $\mu$ m  
**Cor. IOP = 25.60 hPa**

Meas IOP : 26.00 hPa  
 CCT (Avz) : 553  $\mu$ m  
**Cor. IOP = 25.60 hPa**

Print Export Save USB-Data <-Meas Data Back IOP Formula-> IOP Subtraction R/L Utilities

Both eye (R/L)



## <15MHz B Probe>

- Focus : Dynamic Focus
- Frame rate
  - Basic mode : 22 frame / sec
  - High Sensitive mode : 11 frame / sec
- Maximum number of pages in a movie : 400 pages x 2
- Image display range
  - Standard : 42mm / 52° (at ultrasound velocity=1550 m/sec)
  - Wide : 54mm / 52°(at ultrasound velocity=1550 m/sec)
- Color scale : 256 scale level
- Scan type : Sector scanning
- Transducer type : Annular array
- Transducer frequency : 15 MHz

## <60MHz UBM Probe >

- Frame rate
  - Basic mode : 10 frame / sec
  - High Sensitive mode : 7 frame / sec
- Maximum number of pages in a movie : 100 pages x 2
- Image display range : 9 mm(W) x 7mm(D) (at ultrasound velocity=1550 m/sec)
- Color scale : 256 scale level
- Scan type : Linear scanning
- Transducer type : Single
- Transducer frequency : 60 MHz
- Dimensions and weights
  - Dimension : 398(W)×359(D)×456(H) mm
  - Weight : 15.0kg
- Display
  - TFT LCD : 15 inches, color touch screen
- Power source
  - Input Voltage : 100-120V / 220-240 VAC
  - Frequency : 50/60Hz
  - Power Consumption : 125/125 VA

		UD-8000	UD-6000
Standard Probe	Frequency	15MHz	10MHz
	Resolution	0.4mm	0.5mm
	Frequency Chang over function	Yes (15MHz / 20MHz / Harmonic)	No
	Capture pict (Max)	400pcs (Appro. 20sec)	202pcs (Appro.10sec)
	Angle (Max)	51mm × 51.0°	46mm × 46.4°
	Dimension · Weight	27 × 21.6 × 134(mm) 97g	φ25.6 × 198 (mm) 400g
	UBM Probe	Frequency	60MHz
Resolution		0.05mm(Actual 0.04)	0.05mm(Actual 0.06)
Membrane cap		Yes (EOG antiseptis)	No
Sitting,Prostrate position examine		Possible	Impossible
Eye cup examine		Possible	Possible
Angle (Max)		9 × 7 (mm)	9 × 6 (mm)
Dimension · Weight		27 × 26 × 144 (mm) 101g	φ30.9 × 200 (mm) 680g
Others Specifications	Display	15' TFT color display	10.4' TFT color display
	Save Media	USB memory	CF card memory
	Save / Still picture	JPEG / Raw data	JPEG / Raw data
	Save / Movie (EXPORT)	Raw data: Change to AVI file through data transfer.	No
	Group saving	Up to 20 frames	No
	Measurement function	Distance(3) Angle(2) Area(2)	Distance(1)、Area(1)
	Angle analyze function	AOD250,AOD500, AOD750, ARA500, ARA750, TIA500, TISA500, TISA750	AOD250, AOD500, ARA750, TIA500
	Iris analyze function	ID1, ID2, ID3, TCPD, ICPD	なし
	Comment in put	Yes (All Probe)	Yes (UBM Only)
	Printing ( Picture only)	Yes	No
	Probe line up	15MHz Probe 60MHz Probe 30MHz Probe 40MHz Probe	10MHz Probe 40MHz Probe
	Probe shifting part	Basal part	Main unit part

**Thank you !**