

3D/4D Ultrasound Questionnaire

1 Personal data :

1-a Name _____

1-b Specialty _____

1-c Hospital/Clinic _____

1-d Tel : _____

1-e Fax : _____

1-f E-mail _____

2 Normal U/S user

2-a Do use ultrasound machine? Yes ☐ No ☐

2-b Is it 2D , 2D or 4D? 2D ☐ 3D/4D ☐

2-c If it is 2D, are you willing to go for 3D/4D? Yes ☐ No ☐

2-d If No, Please specify why _____

2-e If Yes, Please specify why. _____

3 3D/4D User

Are you a 3D/4D user ? If yes, please answer the following :-

Yes ☐ No ☐

4 Benefits of 3D/4D

Yes No

What are value added by using this new technology?

4-a For doctors: Accurate assessment and diagnosis of pathology. ☐ ☐

Accurate measurement of volume specially in irregular lesions. ☐ ☐

Addition of coronal plane, which is impossible with conventional 2D ultrasound systems ☐ ☐

Accurate free hand biopsy technique. ☐ ☐

Multiplane view : simultaneous view of frontal, sagittal and coronal planes. ☐ ☐

Precise determination of the relation with the surrounding structures. ☐ ☐

More safe volume scanning than CT and MRI, specially for pregnant cases. ☐ ☐

Open new fields for medicine e.g. : intrauterine fetal surgery ☐ ☐

Others, please specify _____

		Yes	No
4-b	For Patients		
	Accurate diagnosis	☐	☐
	More simple techniques, e.g. biopsy	☐	☐
	Increase doctor-patient trust ship	☐	☐
	Increase maternal-Fetal relation ship.	☐	☐
	Others, please specify	_____	

		Yes	No
4-c	For Hospital/Clinic		
	More and accurate diagnosis and treatment techniques.	☐	☐
	Reduce hospitalization period (due to accurate diagnosis & early treatment)	☐	☐
	Reduce pre-operative time (due to accurate diagnosis & treatment)	☐	☐
	Others, please specify	_____	

5 Which brand/model you are currently using

Medison	Kretz (GE)	GE	Siemens	Philips/ATL	Toshiba	Aloka	Hitachi	Esaote	Ultrasonix	Siui
Accuvix XQ	Vol. 730 Expert	Logiq 9	G60 S	HD 11	Nemio	Alpha 10	5500	Mylab 15	SP	Apogee 3500
SA 9900	Vol. 730 Pro	Logiq 7	G50	HD11XE			6500	Mylab 20	RP	
SA 8000				HDI 4000			8500			

6 Since how long you are using this machine? _____

		Yes	No
7	Are you satisfied with the current system?	☐	☐

8 Why? _____

		Yes	No
9	Are you willing to change to another brand?	☐	☐

10 Why? _____

11 If yes, which brand you choose _____

12 Why this brand _____

13 For 3D/4D systems please grade the following

5= Excellent, 4 = Very good , 3 = Good, 2 = Fair, 1=Bad, 0= Very Bad

If grading is not possible, please state Yes or No

[illegible]

[illegible]

13 For 3D/4D systems please grade the following

5= Excellent, 4 = Very good , 3 = Good, 2 = Fair, 1=Bad, 0= Very Bad

If grading is not possible, please state Yes or No

[illegible]

[illegible]

Summary of comparative information collected from prospects

Value	General	Medison			Kretz (GE) Voluson			GE		Siem
		Accuvix XQ	SA 9900	SA 8000	E8	730 Expert	730 Pro	Logic 9	Logic 7	G60 S
1	Design & outlook	5	4	3	5	4	3	5	4	3
1	Ergonomic	5	4	4	5	5	4	5	4	3
1	Transducer holder	4	4	4	5	4	4	4	4	4
1	User friendly	5	4	4	5	5	4	4	4	3
1	Swivel Wheel	Front	Front	Front	Fron/Back	Front	Front	Front	Front/Back	F/Back
1	Gel bottle storage	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
1	Handle position	F/Back	F/Back	Back	F/Back	F/Back	F/Back	F/Back	Back	F/Back
1	Monitor height adjustment	No	No	No	Yes	No	No	No	No	No
1	Key height adjustment	No	No	No	Yes	No	No	No	No	No
	LCD Panel (Touch Screen)	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
	Soft key	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
	Retractable alphanumeric Kbd	No	Yes	No	No	No	No	No	No	Yes
	PC									
1	Digital technology	5	5	5	5	5	5	4	4	3
1	Connectivity	5	4	4	5	5	4	4	4	3
2	Image filling S/W	5	5	5	5	5	5	4	4	3
2	Hard Ware Configuration									
	HDD Capacity	80	80	80	80	80	80	60	80	40
	DVD	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No
	MO Drive	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Flash Memo (USB)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	CD-RW	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Probe port									
4	Port number	4	3	3	4	4	3	4	4	3
	Monitor & Image									
1	Screen Size	15	15	15	17	15	15	17	17	15
7	Image resolution	4	4	4	5	4	4	5	5	4
2	Screen type (CRT or LCD)	CRT	CRT	CRT	LCD	CRT	CRT	LCD	LCD	CRT
8	After sales service	6	6	6	5	5	5	5	5	5
8	3D Training	7	7	7	5	5	5	5	5	3
8	Price	5	6	6	3	4	5	3	4	3

Summary of comparative information collected from prospects (cont.)

		Medison				Kretz (GE)		GE		Siem
		Accuvix XQ	SA 9900	SA 8000		V. 730 Expert	V. 730 Pro	Logic 9	Logic 7	G60 S
Value	3D Functions									
1	Rendering Modes	5	5	5	5	5	5	5	5	3
1	Multi-planar display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Volume CT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	SeeThru	Yes	No	No	No	No	No	No	No	No
1	VCI(Volume Contrast Imaging)	No	No	No	Yes	Yes	Yes	No	No	No
1	Auto ROI setting	Yes	No	No	No	No	No	No	No	No
1	VOCAL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	SHELL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	Operational Help	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	3D CINE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	3D XI (MultisliceView, VolumeCT, ObliqueView)	Yes	No	Yes	No	No	No	No	No	No
2	3D STIC	Yes	No	Yes	No	No	No	Yes	Yes	No
1	MR	Yes	Yes	Yes	No	No	No	No	No	No
1	Cut mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Version 3D	No automated	No automated	No automated	Yes	Yes	Yes	Yes	Yes	No
1	3D mouse	Yes	Yes	No	No	No	No	No	No	No
3	Frame Rate	Medium	Low	Low	high	High	High	High	High	Low
3	Probe Volume & Weight	4	4	4	5	5	5	5	5	4
	3D Probes									
5	Convex	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	Linear	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
5	E/C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
4	Urology	No	No	No	Yes	Yes	No	No	No	No
3	Neonatal-Paed.	No	No	No	Yes	Yes	Yes	Yes	Yes	No
	Others									
	(Please specify)				Matrix probe					

100	Total Value
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Summary of comparative information collected from prospects

Value	General	Medison			Kretz (GE) Voluson			GE		ens
		Accuvix XQ	SA 9900	SA 8000	E8	730 Expert	730 Pro	Logic 9	Logic 7	G50
1	Design & outlook	5	4	3	5	4	3	5	4	3
1	Ergonomic	5	4	4	5	5	4	5	4	3
1	Transducer holder	4	4	4	5	4	4	4	4	4
1	User friendly	5	4	4	5	5	4	4	4	3
1	Swivel Wheel	Front	Front	Front	Fron/Back	Front	Front	Front	Front/Back	F/Bak
1	Gel bottle storage	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
1	Handle position	F/Back	F/Back	Back	F/Back	F/Back	F/Back	F/Back	Back	F/Back
1	Monitor height adjustment	No	No	No	Yes	No	No	No	No	No
1	Key height adjustment	No	No	No	Yes	No	No	No	No	No
	LCD Panel (Touch Screen)	Yes	No	No	Yes	Yes	No	Yes	Yes	Yes
	Soft key	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No
	Retractable alphanumeric Kbd	No	Yes	No	No	No	No	No	No	Yes
	PC									
1	Digital technology	5	5	5	5	5	5	4	4	3
1	Connectivity	5	4	4	5	5	4	4	4	3
2	Image filling S/W	5	5	5	5	5	5	4	4	3
2	Hard Ware Configuration									
	HDD Capacity	80	80	80	80	80	80	60	80	40
	DVD	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No
	MO Drive	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Flash Memo (USB)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
	CD-RW	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Probe port									
4	Port number	4	3	3	4	4	3	4	4	2
	Monitor & Image									
1	Screen Size	15	15	15	17	15	15	17	17	15
7	Image resolution	4	4	4	5	4	4	5	5	4
2	Screen type (CRT or LCD)	CRT	CRT	CRT	LCD	CRT	CRT	LCD	LCD	CRT
8	After sales service	6	6	6	5	5	5	5	5	5
8	3D Training	7	7	7	5	5	5	5	5	3
8	Price	5	6	6	3	4	5	3	4	3

Summary of comparative information collected from prospects (cont.)

		Medison				Kretz (GE)		GE iens		
		Accuvix XQ	SA 9900	SA 8000		V. 730 Expert	V. 730 Pro	Logic 9	Logic 7	G50
Value	3D Functions									
1	Rendering Modes	5	5	5	5	5	5	5	5	3
1	Multi-planar display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Volume CT	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	SeeThru	Yes	No	No	No	No	No	No	No	No
1	VCI(Volume Contrast Imaging)	No	No	No	Yes	Yes	Yes	No	No	No
1	Auto ROI setting	Yes	No	No	No	No	No	No	No	No
1	VOCAL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	SHELL	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	Operational Help	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
1	3D CINE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	3D XI (MultisliceView, VolumeCT, ObliqueView)	Yes	No	Yes	No	No	No	No	No	No
2	3D STIC	Yes	No	Yes	No	No	No	Yes	Yes	No
1	MR	Yes	Yes	Yes	No	No	No	No	No	No
1	Cut mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	lversion 3D	No automated	No automated	No automated	Yes	Yes	Yes	Yes	Yes	No
1	3D mouse	Yes	Yes	No	No	No	No	No	No	No
3	Frame Rate	Medium	Low	Low	high	High	High	High	High	Low
3	Probe Volume & Weight	4	4	4	5	5	5	5	5	4
	3D Probes									
5	Convex	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	Linear	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No
5	E/C	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Sector
4	Urology	No	No	No	Yes	Yes	No	No	No	No
3	Neonatal-Paed.	No	No	No	Yes	Yes	Yes	Yes	Yes	No
	Others									
	(Please specify)				Matrix probe					

100	Total Value
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Summary of comparative information collected from prospects (cont.)

Value	General	Philips				Toshiba	Aloka	Hitachi (Hi Vision)			Itrasonix (Sonix		Esaote		Siui
		HDI 4000	HD 11	HD 11XE	IU 22	Nemio	Alpha 10	5500	6500	8500	SP	RP	MyLab 15	MyLab 20	Apogee 3500
1	Design & outlook	4	3	4	4	3	4	2	2	3	2	2	2	2	2
1	Ergonomic	4	4	4	5	4	4	3	3	3	3	3	3	3	2
1	Transducer holder	4	4	4	4	3	3	2	3	3	3	3	4	4	5
1	User friendly	4	4	4	5	3	3	3	3	3	3	3	3	3	3
1	Swivel Wheel	Front	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back	F/Back
1	Gel bottle storage	No	Yes	Yes	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
1	Handle position	F/Back	Front	Front	Front	F/Back	F/Back	Back	Back	Back	Back	Back	Back	Back	F/Back
1	Monitor height adjustment	No	Yes	Yes	No	Yes	No	No	No	No	Yes	Yes	No	No	No
1	Key height adjustment	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
	LCD Panel (Touch Screen)	No	No	Yes	Yes	No	Yes	No	No	No	Yes	Yes	No	No	No
	Soft key	Yes	No	No	Yes	No	No	No	No	No	Yes	Yes	No	No	No
	Retractable alphanumeric Kbd	Yes	Yes	No	No	Yes	Yes	No	No	No	No	No	No	No	No
	PC														
1	Digital technology	4	3	3	4	3	2	3	3	3	3	3	3	3	2
1	Connectivity	4	4	4	4	4	3	3	3	3	3	3	3	3	3
2	Image filling S/W	4	4	4	4	3	3	3	3	3	3	3	3	3	2
2	Hard Ware Configuration														
	HDD Capacity	80	80	80	80	60	60	20	20	20	80	80	?	?	?
	DVD	No	No	No	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No
	MO Drive	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	No	No
	Flash Memo (USB)	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	Yes
	CD-RW	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Probe port														
4	Port number	3	2	2	3	4	4	3	3	3	3	3	3	3	3
	Monitor & Image														
1	Screen Size	15	15	15	17	15	15	15	15	15	17	17	17	17	15
7	Image resolution	4	4	4	5	5	4	4	5	5	3	3	3	3	3
2	Screen type (CRT or LCD)	CRT	CRT	CRT	LCD	LCD	LCD	CRT	CRT	CRT	LCD	LCD	LCD	LCD	CRT
8	After sales service	5	5	5	5	3	3	3	3	3	3	3	3	3	3
8	3D Training	3	3	3	3	2	2	2	2	2	2	2	2	2	2
8	Price	5	5	3	3	3	3	4	4	3	4	4	5	5	5

Summary of comparative information collected from prospects (cont.)

		Philips				Toshiba	Aloka	Hitachi (Hi Vision)			Ultrasonix (Sonix)		Esaote		Siui
		HDI 4000	HD 11	HD 11	HD 22	Nemio	Alpha 10	5500	6500	8500	SP	RP	MyLab 15	MyLab 20	Apogee 3500
Value	3D Functions														
1	Rendering Modes	5	4	4	4	3	3	3	3	3	3	3	3	3	2
1	Multi-planar display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
1	Volume CT	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No
1	SeeThru	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	VQI(Volume Contrast Imaging)	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	Auto ROI setting	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	VOCAL	Yes	No	No	Yes	No	No	No	No	No	No	No	No	No	No
1	SHELL	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
1	Operational Help	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	3D CINE	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	No
3	3D XI (MultisliceView, VolumeCT,ObliqueView)	No	No	No	No	no	No	No	No	No	No	No	No	No	No
2	3D STIC	No	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No
1	MR	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	Out mode	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No
1	Iversion 3D	No	No	No	No	No	No	No	No	No	No	No	No	No	No
1	3D mouse	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
3	Frame Rate	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
3	Probe Volume & Weight	4	4	5	5	4	5	?	?	?	4	4	3	3	?
	3D Probes														
5	Convex	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	Linear	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No
5	E/C	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No
4	Urology	No	No	No	No	No	No	No	No	No	No	No	No	No	No
3	Neonatal-Paed.	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	Others				Electronic										
	(Please specify)				3D Probe										

100	Total Value
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