

Report

CTO C and S, Philips Medical Systems



Demographics

Patient Name:	IU22SYSTEM, FIRST MI		
MRN:	PATIENTID!0f00f a74-d1fe-4efd- 8305- 0e23b1cc09ba	Date of Birth:	1/28/1955
Gender:	Male	Age:	---
Height:	1.25 m	Weight:	65 Kg
Study Date:	10/14/2009	Blood Pressure:	---
Ref. Physician:	REFMD	Sonographer:	---

Procedure Description

Study Description: STUDYDESC

Measurements

LVAd Sax Endo	97.3 cm2	A2Cd	35.5 mm
A2Cs	25.2 mm	A4Cd	58.3 mm
A4Cs	25.9 mm	HR - LV	52 {H.B.}/min
IVCT Time	380 ms	IVRT Time	384 ms
LVOT Acc Time	232 ms	LVOT Acc Time Slope	1350 mm/s2
LVOT Diam	58 mm	LVOT Vmean	35.9 cm/s
LVOT Mean PG	1 mm[Hg]	LVOT VTI	12.4 cm
LVOT Vmax	36.3 cm/s	LVOT Max PG	1 mm[Hg]
LVAd Sax Epi	223 cm2	CO (LVOT)	370007.4 mm3/s
EF (Dumesnil)	137 %	E/Lat E`	1.4
E/Med E`	1.2	LV Mass Index (A/L)	1773.6 g/m2
LV PEP/ET	0.68	SV (LVOT)	327 cm3
LA A2Cs	24.7 mm	LA A4Cs	25.3 mm
AI Acc Time	448 ms	AI Acc Time Slope	483 mm/s2
AV Acc Time	304 ms	AV Acc Time Slope	803 mm/s2
AI Alias Vel	38.5 cm/s	AI Dec Slope	836 mm/s2
AI End Dias Vel	52 cm/s	AI P1/2t	168 ms
AI Radius	41 mm	AI Vmean	45.7 cm/s
AI Mean PG	1 mm[Hg]	AI VTI	12.3 cm
AV Vmean	56.6 cm/s	AV Mean PG	1 mm[Hg]
AV VTI	15.7 cm	AI Vmax	53.2 cm/s
AI Max PG	1 mm[Hg]	AV Vmax	56.6 cm/s
AV Max PG	1 mm[Hg]	AI ERO	76.44 cm2
AVA (VTI)	20.85 cm2	AVA (Vmax)	16.93 cm2

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AV Dec Time	104 ms	AV R-R	68 {H.B.}/min
R to AV Closure	324 ms	R to AV Open	304 ms
AI Flow Rate	4066400 mm3/s	AI Fraction	287 %
AI Volume	940 ml	PISA (AI)	105.62 cm2
PV R-R	74 {H.B.}/min	PI End Dias Vel	65.4 cm/s
PI End Dias PG	2 mm[Hg]	PV Acc Time	280 ms
PV Acc Time Slope	1260 mm/s2	PV Vmean	66.5 cm/s
PV Mean PG	2 mm[Hg]	PV VTI	23.8 cm
PV Vmax	70.7 cm/s	PV Max PG	2 mm[Hg]
PVA (VTI)	30.36 cm2	PVA (Vmax)	35.01 cm2
MV R-R	96 {H.B.}/min	LV Dp/dt	88 mm[Hg]/s
MR Alias Vel	12 cm/s	MV Alias Vel	11 cm/s
MR Radius	4.6 cm	MV Radius	5.3 cm
MR Vmean	58.6 cm/s	MR Mean PG	2 mm[Hg]
MR VTI	23.8 cm	MV Vmean	71.9 cm/s
MV Mean PG	2 mm[Hg]	MV VTI	28.4 cm
MR Vmax	79 cm/s	MR Max PG	2 mm[Hg]
MV Vmax	75.7 cm/s	MV Max PG	2 mm[Hg]
MV A Dur Time	296 ms	MV Acc Time	380 ms
MV Acc Time Slope	1010 mm/s2	MR ERO	20.19 cm2
MVA (P1/2t)	0.89 cm2	MVA (PISA)	26.02 cm2
MVA (VTI)	11.53 cm2	MV Dec Slope	629 mm/s2
MV Dec Time	292 ms	MV PÂ½t	52.9 cm/s
MV PÂ½t	247 ms	MV Peak A Vel	28.4 cm/s
MV Peak E Vel	74.6 cm/s	R to MV Closure	396 ms
R to MV Open	368 ms	CO (MV)	605012.1 mm3/s
MR Flow Rate	1595400 mm3/s	MR Fraction	127 %
MR Volume	481 cm3	MV E/A	2.6
PISA (MR)	132.95 cm2	SV (MV)	378 cm3
Tei Index	2.89	TV R-R	70 {H.B.}/min
TR Alias Vel	14 cm/s	TV Alias Vel	16 cm/s
TR Radius	53 mm	TV Radius	68 mm
TR Vmean	91.6 cm/s	TR Mean PG	4 mm[Hg]
TR VTI	33.5 cm	TV Vmean	67.8 cm/s
TV Mean PG	2 mm[Hg]	TV VTI	22.9 cm
TR Vmax	98.3 cm/s	TR Max PG	4 mm[Hg]
TV Vmax	75.2 cm/s	TV Max PG	2 mm[Hg]
TV Acc Time	404 ms	TV Acc Time Slope	1570 mm/s2
TV Peak A Vel	86.4 cm/s	TV Peak E Vel	66.6 cm/s
CO (TV)	730014.6 mm3/s	PISA (TR)	176.49 cm2
SV (TV)	625 cm3	TR ERO	25.14 cm2
TVA (PISA)	69.8 cm2	TR Flow Rate	2470900 mm3/s
TR Fraction	135 %	TR Volume	842 cm3
TV E/A	0.8	Hep. A Revs Dur Time	400 ms
Hep. A Revs Vel	38.2 cm/s	Hepatic Dias Vel	54.3 cm/s
Hepatic Sys Vel	48.8 cm/s	Hepatic S/D	0.9

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Pulm A Revs Dur Time	304 ms	Pulm A Revs Vel	27.2 cm/s
Pulm Dias Vel	29 cm/s	Pulm Sys Vel	48.3 cm/s
Pulm S/D	1.7	RA Pressure	10 mm[Hg]
RVOT Vmean	94.6 cm/s	RVOT Mean PG	4 mm[Hg]
RVOT VTI	32.7 cm	RVOT Vmax	112 cm/s
RVOT Max PG	5 mm[Hg]	CO (RVOT)	891684.5 mm3/s
RVSP	14 mm[Hg]	RV PEP/ET	0.61
SV (RVOT)	723 cm3	Qp/Qs	2.2

2D Mode

A2Cd	25.2 cm	A4Cd	25.1 cm
LVd (A/L)	26.1 cm	A2Cd	236 cm2
A4Cd	333 cm2	LVd (A/L)	245 cm2
EDV(MOD-sp2)	1867 cm3	EDV(MOD-sp4)	3734 cm3
EDV (BP)	2631 cm3	EDV (2D-Cubed)	228 cm3
EDV (A/L)	1952 cm3	EDV (2D-Teich)	188 cm3
A2Cs	26.4 cm	A4Cs	25.2 cm
LVs (A/L)	17.8 cm	A2Cs	193 cm2
A4Cs	189 cm2	LVs (A/L)	158 cm2
ESV(MOD-sp2)	1226 cm3	ESV(MOD-sp4)	1200 cm3
ESV (BP)	1237 cm3	ESV (2D-Cubed)	29.2 cm3
ESV (A/L)	1190 cm3	ESV (2D-Teich)	37.3 cm3
IVSd (2D)	36.9 mm	IVSs (2D)	44 mm
LVIDd (2D)	61.1 mm	LVIDs (2D)	30.8 mm
LVPWd (2D)	32.3 mm	LVPWs (2D)	40.8 mm
CI(MOD-sp2)	23.8 l/min/m2	CI(MOD-sp4)	93.8 l/min/m2
CI(MOD-bp)	51.8 l/min/m2	CI (2D-Cubed)	7.36 l/min/m2
CI (A/L)	28.3 l/min/m2	CI (2D-Teich)	5.61 l/min/m2
CO(MOD-sp2)	555011.1 mm3/s	CO(MOD-sp4)	2188377.1 mm3/s
CO(MOD-bp)	1208357.5 mm3/s	CO (2D-Cubed)	171670.1 mm3/s
CO (A/L)	660013.2 mm3/s	CO (2D-Teich)	130835.95 mm3/s
EF(MOD-sp2)	34 %	EF(MOD-sp4)	68 %
EF(MOD-bp)	53 %	EF (2D-Cubed)	87.2 %
EF (A/L)	39 %	EF (2D-Teich)	80.2 %
FS (2D-Cubed)	49.6 %	FS (2D-Teich)	49.6 %
IVS % (2D)	19.2 %	IVS/LVPW (2D)	1.14
LV Mass (A/L)	2483 g	LVOT Area	26.4 cm2
LVPW % (2D)	26.3 %	SI(MOD-sp2)	457.9 ml/m2
SI(MOD-sp4)	1803.6 ml/m2	SI(MOD-bp)	995.7 ml/m2
SI (2D-Cubed)	142 ml/m2	SI (A/L)	544.3 ml/m2
SI (2D-Teich)	108 ml/m2	SV(MOD-sp2)	641 cm3
SV(MOD-sp4)	2525 cm3	SV(MOD-bp)	1394 cm3
SV (2D-Cubed)	199 cm3	SV (A/L)	762 cm3
SV (2D-Teich)	151 cm3	LA A2Cs	22.8 cm
LA A4Cs	22.7 cm	LA A2Cs	78.1 cm2
LA A4Cs	92.5 cm2	LA A2Cs	232 cm3

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LA A4Cs	315 cm3	LA ESV (BP)	266 cm3
LA Dimen (2D)	53 mm	LA ESV Index (A2C)	165.7 ml/m2
LA ESV Index (A4C)	225 ml/m2	LA ESV Index (BP)	190 ml/m2
LA/Ao (2D)	0.84	AV Area	16.6 cm2
Ao Arch Diam	122 mm	Ao Isthmus Diam	141 mm
AoR Diam (2D)	63 mm	Asc Ao Diam	64 mm
Desc Ao Diam	56 mm	MV Area (Planim)	13.3 cm2
MV Diam	67 mm	TV Diam	59 mm
TV Area	27.3 cm2	LPA Diam	79 mm
MPA Diam	48 mm	RPA Diam	88 mm
RVAWd (2D)	40.9 mm	RVIDd (2D)	41.7 mm
RVOT Diam	53 mm	RVOT Area	22.1 cm2

M Mode

EDV (MM-Cubed)	312 cm3	EDV (MM-Teich)	238 cm3
ESV (MM-Cubed)	54.4 cm3	ESV (MM-Teich)	61.6 cm3
IVSd (MM)	46.8 mm	IVSs (MM)	58.9 mm
LVIDd (MM)	67.8 mm	LVIDs (MM)	37.9 mm
LVPWd (MM)	46.8 mm	LVPWs (MM)	51.6 mm
LV ET Time	264 ms	LV PEP Time	180 ms
CI (MM-Cubed)	9.57 l/min/m2	CI (MM-Teich)	6.54 l/min/m2
CO (MM-Cubed)	223337.8 mm3/s	CO (MM-Teich)	152503.05 mm3/s
EF (MM-Cubed)	82.6 %	EF (MM-Teich)	74.1 %
FS (MM-Cubed)	44.1 %	FS (MM-Teich)	44.1 %
IVS % (MM)	25.9 %	IVS/LVPW (MM)	1
LV Mass (Cubed)	3239 g	LV Mass Index(Cubed)	2314 g/m2
LVPW % (MM)	10.3 %	SI (MM-Cubed)	184 ml/m2
SI (MM-Teich)	126 ml/m2	SV (MM-Cubed)	258 cm3
SV (MM-Teich)	176 cm3	LA Dimen (MM)	45 mm
LA/Ao (MM)	0.58	AV Cusp Sep	5.6 cm
A Wave Amp	7.2 cm	B-C Slope	29.3 cm/s
Late Dias Slope	25 cm/s	AoR Diam (MM)	78 mm
MV A-C Interval Time	348 ms	MV D-E Exc Dist	6.9 cm
MV D-E Slope	39.4 cm/s	MV E-E Sep	4.2 cm
MV E-F Slope	25.4 cm/s	MV EPSS	5.5 cm
TV A-C Interval Time	148 ms	TV D-E Exc Dist	5.9 cm
TV D-E Slope	38.7 cm/s	TV E-F Slope	62.4 cm/s
RVAWd (MM)	45.2 mm	RVIDd (MM)	40.3 mm
RV ET Time	224 ms	RV PEP Time	136 ms

Doppler

Lat A` Area VTI	14.3 cm	Med A` Area VTI	32.5 cm
Lat E` Area VTI	17.5 cm	Med E` Area VTI	28.9 cm
Lat IVCT Time	316 ms	Med IVCT Time	216 ms
Lat IVRT Time	200 ms	Med IVRT Time	292 ms
Lat Acc Time	232 ms	Med Acc Time	192 ms

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Lat A` Vel	35.9 cm/s	Med A` Vel	43.2 cm/s
Lat E` Vel	53.7 cm/s	Med E` Vel	64.8 cm/s
Lat S Vel	39.5 cm/s	Med S Vel	53.7 cm/s
Lat Dec Time	420 ms	Med Dec Time	280 ms
Time to Lat E`	380 ms	Time to Med E`	332 ms
Time to Lat S	408 ms	Time to Med S	184 ms
E`/A` Lateral	1.5	E`/A` Medial	1.5

Summary

Comments

Signatures

Electronically signed by : Administrator**Date :** 10/15/2009