

**Draft - Demonstration Software - Not for Official Interpretation - ADULT CV  
SR - Patient ID:48130720180427 - Study Date:4/27/2018**

# Report

, Philips Healthcare

**PHILIPS**

## Demographics

<b>Patient Name:</b>	ADULT CV SR	<b>Date of Birth:</b>	
<b>Patient ID:</b>	48130720180427	<b>Age:</b>	
<b>Gender:</b>		<b>Weight:</b>	90.72 Kg
<b>Height:</b>	1.8288 m	<b>Sonographer:</b>	
<b>Study Date:</b>	4/27/2018		
<b>Ref. Physician:</b>			

## Procedure Description

**BSA:** 2.13 m2

**Study Description:**

## Measurements

### Adult Echo

#### 2D Measurements and Calculations

LVOT Diam	0.7 cm	AoR Diam (2D)	0.8 cm
Asc Ao Diam	0.6 cm	LA Dimen (2D)	1.1 cm
RVIDd (2D)	1.03 cm	IVSd (2D)	0.601 cm
LVIDd (2D)	3.00 cm	LVPWd (2D)	1.37 cm
LVIDs (2D)	1.63 cm	RVOT Diam	1.4 cm
MV Area (Planim)	7.53 cm2	AV Area	0.825 cm2
RA Pressure	15 mmHg	LVOT Area	0.385 cm2
LA/Ao (2D)	1.38	EDV (2D-Teich)	35.0 ml
ESV (2D-Teich)	7.52 ml	SV (2D-Teich)	27.5 ml
FS (2D-Teich)	45.7 %	EF (2D-Teich)	78.5 %
CO (2D-Teich)	1.62 l/min	CI (2D-Teich)	0.761 l/min/m2
SI (2D-Teich)	12.9 ml/m2	IVS/LVPW (2D)	0.439
RVIDd/LVIDd	0.343	RA Length	1.11 cm
RA Width	2.44 cm	RA ESA	0.121 cm2
RV Base	1.44 cm	RV Mid	2.05 cm
RV ESA	1.88 cm2	RV EDA	4.91 cm2
LA Width	2.03 cm	Ao Sinus Diam	0.707 cm
Ao STJ Diam	0.806 cm	LA Area	4.38 cm2
TR VC	1.02 cm	MR VC	2.16 cm
LA Length	1.82 cm	IV Septum Wall	0.577 cm
LV Lat Wall	0.577 cm	LV Ant Wall	0.589 cm
LV Inf Wall	0.721 cm	LV Post Wall	0.673 cm
RV Wall	0.746 cm	Ao Arch Diam	0.6 cm
Desc Ao Diam	0.6 cm	Ao Isthmus Diam	0.6 cm
Ao Ann Diam	0.601 cm	Prox ascAo Diam	0.948 cm

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RVOT Prox	0.969 cm	RVOT Distal	0.649 cm
MPA Diam	0.8 cm	IVC Diam Ins	0.962 cm
IVC Diam	0.581 cm	RVOT Area	1.54 cm <sup>2</sup>
A4Cd.LV Vol	99.6 ml	A4Cd.LV Length	7.12 cm
A4Cd.LV Area	29.3 cm <sup>2</sup>	A4Cs.LV Vol	13.6 ml
A4Cs.LV Length	5.59 cm	A4Cs.LV Area	9.53 cm <sup>2</sup>
A2Cd.LV Vol	46.2 ml	A2Cd.LV Length	6.11 cm
A2Cd.LV Area	18.3 cm <sup>2</sup>	A2Cs.LV Vol	2.36 ml
A2Cs.LV Length	3.90 cm	A2Cs.LV Area	3.23 cm <sup>2</sup>
HR - LV	59 bpm	SV (A4C)	85.9 ml
EF (A4C)	86.3 %	CO (A4C)	5.1 l/min
CI (A4C)	2.4 l/min/m <sup>2</sup>	SI (A4C)	40.3 ml/m <sup>2</sup>
SV (A2C)	43.8 ml	EF (A2C)	94.9 %
CO (A2C)	2.6 l/min	CI (A2C)	1.2 l/min/m <sup>2</sup>
SI (A2C)	20.6 ml/m <sup>2</sup>	EDV (BP)	73.0 ml
LVd (A/L).Area	11.5 cm <sup>2</sup>	LVd (A/L).Length	4.26 cm
LVs (A/L).Area	9.76 cm <sup>2</sup>	LVs (A/L).Length	3.13 cm
LA A4C-A/L.Area	4.72 cm <sup>2</sup>	LA A4C-A/L.Length	2.49 cm
LA A2C-A/L.Area	5.86 cm <sup>2</sup>	LA A2C-A/L.Length	2.63 cm
RA A4C-A/L.Area	9.01 cm <sup>2</sup>	RA A4C-A/L.Length	3.72 cm
RA A2C-A/L.Area	4.98 cm <sup>2</sup>	RA A2C-A/L.Length	2.13 cm
EDV (A/L)	26.4 ml	ESV (A/L)	25.8 ml
SV (A/L)	0.600 ml	EF (A/L)	2.27 %
CO (A/L)	0.0 l/min	CI (A/L)	0.0 l/min/m <sup>2</sup>
SI (A/L)	0.3 ml/m <sup>2</sup>	LA ESV-A/L	9.44 ml
RA ESV-A/L	17.91 ml	RV FAC	61.7 %
PR VC	0.669 cm	MV Area	7.53 cm <sup>2</sup>
EDV (2D-Cubed)	27.0 ml	ESV (2D-Cubed)	4.33 ml
SV (2D-Cubed)	22.7 ml	FS (2D-Cubed)	45.7 %
EF (2D-Cubed)	84.0 %	CO (2D-Cubed)	1.34 l/min
CI (2D-Cubed)	0.629 l/min/m <sup>2</sup>	SI (2D-Cubed)	10.7 ml/m <sup>2</sup>
LVLd (A4C)	7.1 cm	LVLs (A4C)	5.6 cm
LVAAd (A4C)	29.30 cm <sup>2</sup>	LVAAs (A4C)	9.53 cm <sup>2</sup>
EDV (A4C)	99.5 ml	ESV (A4C)	13.6 ml
LVLd (A2C)	6.1 cm	LVLs (A2C)	3.9 cm
LVAAd (A2C)	18.30 cm <sup>2</sup>	LVAAs (A2C)	3.23 cm <sup>2</sup>
EDV (A2C)	46.2 ml	ESV (A2C)	2.36 ml
LVLd (A/L)	4.3 cm	LVLs (A/L)	3.1 cm
LVAAd (A/L)	11.50 cm <sup>2</sup>	LVAAs (A/L)	9.76 cm <sup>2</sup>

**M-Mode Measurements and Calculations**

LVOT Diam	0.7 cm	AoR Diam (MM)	1.3 cm
LA Dimen (MM)	1.6 cm	AV Cusp Sep	1.0 cm
RVIDd (MM)	0.801 cm	IVSd (MM)	0.763 cm
LVPWd (MM)	0.763 cm	LVIDs (MM)	4.88 cm
LVPWs (MM)	0.763 cm	IVC Diam Exp(MM)	0.496 cm
IVC Diam Ins(MM)	0.763 cm	AR Diam(MM)	1.56 cm
TAPSE	0.915 cm	LA/Ao (MM)	1.23
IVS/LVPW (MM)	1.00	LVPW % (MM)	0.000 %
ESV (MM-Teich)	112 ml	HR - LV	59 bpm
TV D-E Exc	1.3 cm	TV D-E Slope	6.7 cm/s
TV E-F Slope	8.8 cm/s	TV A-C Interval	176 ms
ESV (MM-Cubed)	116 ml		

**Doppler Measurements and Calculations**

IVRT	239 ms	MV P <sub>1/2</sub> .Vmax	48.5 cm/s
MV P <sub>1/2</sub> .P <sub>1/2</sub>	269 ms	MV Dec Slope	55.6 cm/s <sup>2</sup>
MV Peak E Vel.Vel	53.4 cm/s	MV Peak E Vel.PG	1 mmHg
MV Decel Time	901 ms	MV Peak A Vel.Vel	58.2 cm/s

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MV Peak A Vel.PG	1 mmHg	MV E/A	0.9
MVA (P½t )	0.82 cm2	LVOT Diam	0.7 cm
LVOT VTI.Mean PG	1 mmHg	LVOT VTI.VTI	12.3 cm
LVOT VTI.Vmean	48.8 cm/s	TR Vmax.Vmax	38.8 cm/s
TR Vmax.Max PG	1 mmHg	TR VTI.Mean PG	1 mmHg
TR VTI.VTI	14.3 cm	TR VTI.Vmean	40.7 cm/s
RA Pressure	15 mmHg	TV Vmax.Vmax	79.8 cm/s
TV Vmax.Max PG	3 mmHg	TV VTI.Mean PG	1 mmHg
TV VTI.VTI	26.7 cm	TV VTI.Vmean	59.0 cm/s
TV Peak E Vel.Vel	65.0 cm/s	TV Peak E Vel.PG	2 mmHg
TV Peak A Vel.Vel	44.1 cm/s	TV Peak A Vel.PG	1 mmHg
RVSP	16 mmHg	TV E/A	1.5
AV Vmax.Vmax	54.6 cm/s	AV Vmax.Max PG	1 mmHg
AV VTI.Mean PG	1 mmHg	AV VTI.VTI	19.4 cm
AV VTI.Vmean	51.2 cm/s	AI Vmax.Vmax	41.2 cm/s
AI Vmax.Max PG	1 mmHg	AI End Dias Vel.Vel	22.8 cm/s
AI End Dias Vel.PG	0 mmHg	LVOT Vmax.Vmax	58.4 cm/s
LVOT Vmax.Max PG	1 mmHg	AI P½t	143 ms
AVA (Vmax)	0.41 cm2	AVA (VTI)	0.24 cm2
SV (LVOT)	5 ml	AV VR	1.07
AVA(VTI)/BSA	0.11	RVOT Diam	1.4 cm
AI Dec Slope	85.3 cm/s2		

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**Summary**

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**Comments**

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**Signatures**

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**Electronically signed by:** Grotenhuis, Neal

**Date:** 4/27/2018