

Indian College of Cardiac Anaesthesia
(Academic body under the aegis of IACTA)
Perioperative Transesophageal Echo Report (Adult)



Name: _____ Age: _____ Gender: M / F Hospital No: _____
Height: _____ cm Weight: _____ Kg BSA: _____ m²

Preop Diagnosis: _____

Echo machine: _____

Pre CPB/ Post CPB/ Post Surgery/ ICU

LEFT VENTRICLE

Systolic fn	Good / Fair / Poor	EF FAC	CO / CI	RWMA y / n	MPI dp/dt
Diastolic fn	Normal / Impaired relaxation / Pseudo normal / Restrictive	Mitral Inflow/ Tissue/ Pulm Vein Dopplers	E/A DT E/e' S/D	e' a' s' Ar-A IVRT Vp	
Post CPB / Surgery					
Systolic fn	Good / Fair / Poor	EF FAC	CO / CI	RWMA y / n	MPI dp/dt
Diastolic fn	Normal / Impaired relaxation / Pseudo normal / Restrictive	Mitral Inflow/ Tissue/ Pulm Vein Dopplers	E/A DT E/e' S/D	e' a' s' Ar-A IVRT Vp	

RIGHT VENTRICLE

Systolic fn	Good / Fair / Poor	TAPSE EF/ FAC	Diastolic fn	Normal/ Imp relaxation/ Pseudo normal/ Restrictive E/A
Post CPB / Surgery				
Systolic fn	Good / Fair / Poor	EF/ FAC	Diastolic fn	Normal / Imp relaxation / Pseudo normal/ Restrictive E/A

CHAMBER DIMENSIONS

	4C/ TG m. sax	Diameter (mm)	Area (cm ²)	LV Wall thickness (mm)
Diastole	LV / RV	/	/	Septal Infero-Lateral
Systole	LV / RV / LA / RA	/ / /	/ / /	RV wall thickness mm

REGIONAL WALL MOTION- LV



MITRAL VALVE

Type	Native/ Mechanical/ Bio prosthetic // Normal / Abnormal	Annulus (diast-mm)	ME 4C	ME lax	Calcium y / n
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Mitral Regurgitation

Severity	None / Mild / Moderate / Severe	Vena Contr	mm (<3, 3-7, >7)
Jet	Central / Eccentric / Wall hugging	PISA Radius	mm (<4, 4-10, >10)
Jet Area	cm ² (<4, 4-10, >10)	EROA	cm ²
Pulm V PWD	Normal / Blunt / Reverse	RV	cm ³
Leaflets	Billowing / Prolapse / Flail / Restrictive (systole / diastole) / Perforation / Cleft	Tent Area	cm ²
	Segments affected: A1, A2, A3 // P1, P2, P3	Tent Height	mm
Leaflet (mm) measurements	AL PL AL/PL ratio Thickness	Commissures affected :	ALC, PMC
		C Septal Dist mm	SAM y / n
			Gradient (Pk) mmHg

Mitral Stenosis

Severity	None / Mild / Moderate / Severe	Area	cm ² (>1.5, 1.0-1.5, <1)
Pk Velocity	m/s (<1, 1-1.5, 1.5-3, >3)	Mean Grad	mmHg (<5, 5-10, >10)
Pr Half-time	ms (40-70, 70-150, 150-200, >200)	Pk Grad	mmHg
		Dec Time	ms
		Heart rate	

Post CPB : MV Prosthesis / Repair / No intervention

Prosthesis	Type Size	Seating / Leaflet motion Normal/ Abnormal	Paravalvular Leak None/ Mild/ Mod/ Severe
LVOT obstruct y / n	Mean Gradient mmHg (≤5, 6-10, >10)	Effective Orifice Area cm ²	Indexed Valve Area cm ² (≥1.2, <0.9)
MV Repair y / n	MR (Post CPB) None / Mild / Moderate / Severe	Coapt Height mm	SAM y / n
		Mean Grad mmHg	Pk Gradient mmHg
			LCx area Dysfn y / n

AORTIC VALVE

Type	Native / Mechanical / Bio prosthetic Normal / Abnormal	Tricuspid / Bicuspid / Unicuspid / Quadricuspid	Sub Aortic Mem y / n
Measurements (mm)	LVOT / Annulus / Sinus / Sino-tubular jn / Ascending Aorta	Calcium y / n	Prolapse / Restriction NCC / RCC / LCC

Aortic Regurgitation

Severity	None / Mild / Moderate / Severe	DA Flow Reversal y / n PHT ms(>500,500-200,<200)	Jet Ht/LVOT dm Vena Contracta	% (<25,25-65,>65) mm (<3,3-6, >6)
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Aortic Stenosis

Severity	None / Mild / Moderate / Severe	Mn Grad mmHg (<20, 20-40, >40)	Area Pk Velocity Pk Gradient	cm ² (3-4,1.5-2.9,1-1.4,<1) m/s (<2.5,2.6-2.9,3-4,>4) mmHg
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Post CPB : AV Prosthesis / Repair / No intervention

Prosthesis	Type Size	Seating / Leaflets motion normal / abnormal	Paravalvular Leak None / Mild / Moderate / Severe
Mn Grad Pk Vel / Grad	mm Hg m/s / mm Hg	Effective Orifice Area Valve Area	cm ² / Indexed- cm ² (>0.85,0.85-0.65,<0.65)
VTI _{LVOT/AV} Accel Time			(>0.3,0.30-0.25,<0.25) ms (<100,>100)
AV Repair y / n	AR (Post CPB) None / Mild / Moderate / Severe	Peak Gradient mm Hg	Mean Gradient mm Hg
			SAM y / n

TRICUSPID VALVE

Type	Native / Mechanical / Bio prosthetic Normal / Abnormal	Size Annul (Diast-mm)	ME 4C	TG RV inflow
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Tricuspid Regurgitation

Severity	None/ Mild/ Moderate/ Severe	RV Syst Pr Hep V flow	mmHg Syst. dominance / blunting / reversal
Vena Contracta	mm (<7 >7)		

Tricuspid Stenosis

Severity	None / Mild / Moderate / Severe	Mean Grad Pk Vel / Gr	mmHg (<2,2-6,>6) m/s(>1.5) / mmHg
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Post CPB : TV Repair / Prosthesis / No intervention

TV Repair y / n	TR (Post CPB) None/ Mild/ Mod/ Severe	Peak / Mean Gradient / mm Hg	Technique Annuloplasty/ Ring /
Prosthesis	Type Size	Mean Grad mmHg	Seating / Leaflets motion normal / abnormal
			Paravalvular Leak None/ Mild/ Moderate/ Severe

PULMONARY VALVE

Type	Native / Bio prosthetic Normal / Abnormal	Stenosis Peak Gr	None / Mild / Moderate / Severe mmHg (25-49,50-80,>80)
Regurgitation Vena Contracta	None / Mild/ Moderate / Severe mm	PR (Post CPB) None/ Mild/ Mod/ Severe	PS (Post CPB) None/ Mild/ Mod/ Severe

AORTA

	Diameter (mm)	Dissection	Intimal flap	Ca / Atheroma	Katz grade
Ascending		y / n	y / n	y / n	I / II / III / IV / V
Arch		y / n	y / n	y / n	I / II / III / IV / V
Descending		y / n	y / n	y / n	I / II / III / IV / V
Epi-aortic scan		y / n	y / n	y / n	I / II / III / IV / V

PERICARDIUM, PLEURA, CLOT, MASS

Pericardial Effusion / Tamponade / Per.Thickening / Constrictive Pericarditis / Pleural effusion (Right / Left)	y / n	Clots Mass	y / n y / n	LA / LAA / LV
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CONGENITAL HEART DISEASES

ASD VSD	Secundum / Sinus venosus / Primum / PFO Peri membranous / Doubly committed / Inlet / Muscular	Size Shunt L>R, R>L, BD	mm mmHg	Post CPB Residual Shunt y / n
Other CHDs		Post CPB		

Additional Findings / 3D Echo

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SUMMARY

Pre CPB / Surgery	Post CPB / Surgery

Date: / /

Echocardiographer-Name:

Signature: