



## DEFINITION OF TERMS

### Monitoring

PA cath includes CVP so only report PA

### Anemia & Coagulation

Aprotinin full dose - 1 ml test dose, 200 ml loading dose, 200 ml pump prime dose, 50 ml/hr infusion

Aprotinin half dose - 1 ml test dose, 100 ml load, 100 ml prime, 25 ml/hr infusion

### Extubation Management

PaO<sub>2</sub>= arterial partial pressure of oxygen (mmHg) on ABG after CPB (or after revascularization for off-pump CABG)

FiO<sub>2</sub>= fractional concentration of inspired oxygen at time of last ABG

Planned time: anticipated goal for extubation per anesthesia team

### Measured Hemodynamics and Hemodynamic Management

Pre-induction- prior to induction of anesthesia

Pre-bypass- prior to going on CPB (or prior to start of revascularization for off pump CABG)

On bypass- during CPB (or during revascularization for off pump CABG)

Post bypass- after completion of CPB (or completion of revascularization for off pump CABG) and after initial dose of protamine.

### Measured Hemodynamics

HR - beats per minute

Rhythm- 1=sinus; 2= atrial fibrillation; 2=paced;; 3=other

MAP - mean arterial pressure mmHg

CO - liters per minute

SPAP - systolic pulmonary artery pressure mmHg

DPAP - diastolic pulmonary artery pressure mmHg

CVP - central venous pressure mmHg

### TEE Reference

**Atheroma grades** (worst disease seen, any locations) **I-V- Grade I-** Normal to mild intimal thickening; **Grade II-** Severe intimal thickening without protruding atheroma; **Grade III-** Atheroma protruding<5mm; **Grade IV-** Atheroma protruding≥5 mm; **Grade V-** Atheroma of any size with mobile components

#### Normal 2-D measurements

LVOT diameter	1.8-2.2 cm	Aortic annulus	1.4-2.6 cm	Sinus of Valsalva	2.1-3.5 cm
Sinotubular junction	1.7-3.4 cm	Ascending aorta	2.1-3.4 cm	Descending aorta	1.4-2.0 cm
Mitral annulus	1.8-3.1 cm	Left atrium (ant-post)	2.3-3.8 cm	Right atrium (med-lat)	3.0-4.6 cm
LV diameter (end-diastole)	3.5-5.7 cm	LV thickness (end-systole)	≤11 mm		

#### Normal peak velocity (cm/sec)

tricuspid	pulmonic	mitral	LVOT	Aortic
30-70	60-90	60-130	70-110	100-170

Aortic stenosis	mild	mod	severe	Mitral stenosis	mild	mod	severe
valve area (cm <sup>2</sup> )	1.2-2.5	0.75-1.2	<0.75	valve area (cm <sup>2</sup> )	1.5-2.5	1.0-1.5	<1.0
mean gradient (mm Hg)	<25	25-45	>45	mean gradient (mm Hg)	<6	6-12	>12
peak velocity (cm/sec)	<300	300-400	>400	pressure half time (msec)	90-150	150-220	>220

Aortic insufficiency	mild	mod	severe	LV Diastology	normal	grade 1	grade 2	grade 3	grade 4
jet diameter/LVOT diameter	<30%	30-65%	>65%	E dec time (msec)	160-240	>240	160-240	<160	irrevers
pressure half time (msec)	>500	300-500	<300	E/A	1.1	<1.0	1-1.5	>2.0	
slope of decay (cm/sec)	<200	200-300	>300	E/E	<8			>15	