Normal Values & Ranges 2010

ABG Values		Hematology	
pH:	7.35 - 7.45	RBC Male:	4.6 - 6.2 x 10^6/mm^3
$PaCO^2$:	35 - 45 mmHg	RBC Female:	4.2 - 5.4 x 10^6/mm^3
HCO^3:	22 - 28 mEq/L	Hg Male:	13.5 - 16.5 g/dL
BE:	-2 - +2	Hg Female:	12.0 - 15.0 g/dL
PaO^2:	80 - 100 mmHg	HCT Male:	42 - 54%
SaO^2:	92 - 100%	HCT Female:	38 - 47%
COHb:	<3%		
Venous Blood Values		**Ventilation Assessment**	
CvO^2:	10 - 15 mL/dL	V_E:	5 - 10L/min
PvO^2:	35 - 40 mmHg	$PtCO^2$:	35 - 45 mmHg
SvO^2:	70 - 75%	$P_{ET}CO^2$:	35 - 43 mmHg; 4.6% - 5.6%
		V_{DS}/V_T:	0.25 - 0.4
Oxygenation Assessment			
$P(_{A-a})O^2$:	25 - 65 mmHg	jdurbano@BreathSounds.org	
a/A Ratio:	>0.74		
P/F Ratio:	>200		
Qs/Qt Ratio:	<5%		
$C(_{a-v})O^2$:	4 - 6 mL/dL		

Hemodynamics:	
Arterial Blood Pressure:	Systolic: 100 – 140 Diastolic: 60 – 90
Mean Arterial Pressure:	70 – 105
Central Venous Press.: **Right Atrial Pressure:**	< 6mmHg 2 – 6 mmHg
Right Ventricular Pressure:	Systolic: 20 – 30 mmHg Diastolic: 2 – 6 mmHg
Pulmonary Arterial Pressure:	Systolic: 20 – 30 mmHg Diastolic: 6 – 15 mmHg
Pulmonary Artery Wedge Pressure:	4 – 12 mmHg
Cardiac Output: **Cardiac Index:**	4.0 – 8.0 L/min 2.5 – 4.0 L/min/M^2
Stroke Volume: **Stroke Index:**	60 – 130 mL/beat 30 – 50 mL/beat/M^2
Systemic Vascular Resistance: **Pulmonary Vascular Resistance:**	15 – 20 mmHg/L/min 1.5 – 3.0 mmHg/L/min