Hyperoxia Test

**PaO2 < 80mmHg**

**PaO2 > 80 mmHg**

Unlikely to be cyanotic CHD or

**Differential Cyanosis**

>10% SpO2 difference b/t

Right Hand & Lower extremity

ductal dependent pulmonary

blood flow

CXR

+/- echo

**RH > LE**

“Usual”

**RH < LE**

**“Reverse”**

**YES**

**Pulmonary Hypertension**

CXR

**NO**

***LUNG* IntrapulmonaryLung Injury**

***DISEASE*** **Shunt** ie. PPHN, RDS, CDH, MAS

 ie. PNA, PTX

No focal changes on CXR

**Start PGE1**at 0.05mcg/kg/min

No focal changes on CXR

**Start PGE1**at 0.05mcg/kg/min

***CARDIAC***

***DISEASE***

Pulmonary congestion, no cardiomegaly

Pulmonary Congestion & Cardiomegaly

Non- Oligemic CXR

Oligemic CXR

***DDx***

**Pulmonary Systemic outflow**

 **Outflow obstruction TGA with:**

 **Obstruction Complete Mixing** Coarctation PHTN or

Pulmonary atresia (unrestrictive ASD) Critical AS Coarctation

 Critical PS TGA Interrupted Aortic Arch

 TOF HLHS

 Ebstein’s Anomaly Complex SV **Pulmonary Venous Obstruction**

 Tricuspid Atresia Mitral atresia TAPVR

 SV w/ restrictive ASD