

# CYANOTIC CONGENITAL HEART DISEASE

	T runcus arteriosus (1 trunk)	T ransposition of the great arteries (2 arteries)	T ricuspid atresia (3 leaflets on tricuspid valve)	T etralogy of Fallot (4 defects)	T otal anomalous pulmonary return (5 letters)
<b>Anatomy</b>	<ul style="list-style-type: none"> <li>Lack of septation of embryologic aortico-pulmonary trunk</li> </ul>	<ul style="list-style-type: none"> <li>Failure of rotation of the aorta and the pulmonary artery</li> </ul> <p>*Shown below: dextro-TGA with intact septum</p>	<ul style="list-style-type: none"> <li>Failure of development of the tricuspid valve</li> </ul>	<ul style="list-style-type: none"> <li>(1) Pulmonary stenosis or atresia</li> <li>(2) VSD</li> <li>(3) Overriding aorta</li> <li>(4) Ventricular hypertrophy</li> </ul>	<ul style="list-style-type: none"> <li>Failure of the four pulmonary veins to connect to the left atrium</li> </ul>
<b>Cyanosis at birth?</b>	NO	YES	YES	SOMETIMES (depends on degree of RV outflow obstruction)	SOMETIMES (depends on obstruction of pulmonary BF)
<b>Ductal-dependent?</b>	NO	YES	SOMETIMES	NO	SOMETIMES (if no ASD)
<b>Physical Exam</b>	<ul style="list-style-type: none"> <li>Loud and single S2</li> <li>Prominent ejection click at apex or left sternal border</li> </ul>	<ul style="list-style-type: none"> <li>Loud and single S2</li> <li>+/- holosystolic murmur if VSD present</li> </ul>	<ul style="list-style-type: none"> <li>Single S2</li> <li>+/- murmur if VSD or PS is present</li> </ul>	<ul style="list-style-type: none"> <li>Single S2</li> <li>Systolic ejection murmur at left upper sternal border</li> </ul>	<ul style="list-style-type: none"> <li>Fixed split S2</li> <li>Systolic ejection murmur at left upper sternal border</li> </ul>
<b>Normal</b>					
<b>Imaging</b>	Cardiac enlargement and increased pulmonary vasculature	Egg on a string	Lack of the smooth convexity of the right heart	Boot-shaped heart	"Snowman" or "figure 8" sign