CVS-CBL CASE1

Learning Objective:

At the end of the discussion the students should be able to:

a) Recognize different types of congenital heart diseases
b) Understand the mechanism of cyanosis.
c) Understand the differences between cyanotic and acyanotic heart diseases

CASE SCENARIO:

Your neighbor has come to you to discuss the case of his 02 years old son whom doctors have advised heart surgery. Father tells you that his son is not well for some years and becomes blue while playing. He has consulted various pediatricians and cardiologist. The cardiologists have advised some tests including x-ray chest, ECG and Echocardiography. ECG shows right ventricular hypertrophy and right axis deviation. Echocardiography reveals large ventricular septal defect, right ventricular outlet stenosis (Pulmonary stenosis) and enlarged dilated aorta.

QUESTIONS:

Q1. What is the problem with child? Explain the disease and its embryological basis.

Q2. Why child turns blue while playing? Explain in physiological terms.

Q3. How Heart development can become defective in fetus? Give some causes and how they can be prevented?

Q4. What are the common developmental defects of Heart?