

Previously healthy 2 year old child, antenatal echography showed mild cardiomegaly

- Current Illness:** Cyanosis for 4- months
- Physical Examination:** Oxygen saturation 74% to 85% in room air: Finger clubbing
- Diagnostic Evaluations:**
 - Chest x-ray:** increased peripheral interstitial markings with mild cardiomegaly
 - Abdominal ultrasound:** dilated inferior vena cava, with portal vein shunting into the inferior vena cava
 - Echocardiography** No structural cardiac defects, normal pulmonary pressures, positive bubble contrast study
 - Cardiac catheterization:** Significant intrapulmonary shunting
Portal vein- inferior vena cava portosystemic shunt

0

8-months

2-weeks
after closure

Transcatheter embolization of the shunt using a Vascular Plug **Complete occlusion** of the shunt was confirmed by abdominal ultrasound, echocardiogram and angiogram

Two weeks after the procedure, his oxygen saturation was 95% to 100% in room air.

4-years follow up cyanosis and finger clubbing gradually disappeared