

## **Postoperative Evaluation of Congenital Heart Disease by Multi-Detector Computed Tomography (64 AND 640 MSCT)**

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### **Abstract**

#### **Background:**

Echocardiography is the initial evaluative method for post operation of congenital heart disease (CHD) but this method can be limited in complex cases.

MDCT overcomes the limit of Echocardiography by multiplanar reconstruction (MPR) and volume rendered techniques (VRT) reconstruction.

#### **Purpose:**

To evaluate the post operation of congenital heart diseases by Multi-Detector computed tomography (64 and 640 MSCT).

#### **Methods:**

910 patients with complex congenital heart diseases of 27.000 patients underwent cardiac angiography with 64 and 640 sections CT at Medic Medical Center since 09/09/2006 up to now.

#### **Results:**

There are 658 operated cases and there are 348 cases that are scanned MDCT after operation. Cardiac computed tomographic angiography has been useful for postoperative evaluation in CHD (Sano shunt, the cavopulmonary shunt or Glenn operation, the Fontan procedure, the modified Blalock-Taussig shunt, the Bentall operation....)

#### **Conclusions:**

MDCT is the fast and non-invasive diagnostic method with the high accuracy, overcomes the limit of echocardiography and a

useful tool for postoperative evaluation in congenital heart diseases.



#### **Biography:**

Duong Phi Son, MD has completed medical education at Medic Medical Center and is currently working at Medic Medical Center

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