

ENDOVASCULAR TREATMENT OF CORONARY FISTULAS

Hemodynamics Department, Hospital Cardiomedica, Lima, Peru.

Definition

A coronary fistula is an abnormality -congenital or acquired- in which blood is shunted into a vessel or other structure deviating its flow from the myocardial artery network.

Case

We report the successful percutaneous treatment of two Left Anterior Descending (LAD) coronary artery Fistulas by means of STENT GRAFT implantation.

In July 24 2009, a 62 year old female with a history of hypertension, non-smoker was admitted for the treatment of two fistulas in the Left Anterior Descending (LAD) coronary artery. The fistulas caused the blood to travel from the LAD to the Pulmonary artery and the Inferior Vena Cava. The patient was treated with a 3.5x19 coronary Stent Graft (*Direct-Stent Stent Graft, InSitu Technologies Inc , IGH, Minnesota, USA*) successfully covering the fistulas. 6 months follow up reports no-mace.

Implant performed at Cardiomedica Hospital, Lima, Peru in July 2009. Implant made by Dr. Victor Galvez

Figure 1: Selected coronary angiography shows fistulas on the Left Anterior Descending (LAD) before STENT GRAFT implant. **Figure 2:** After the procedure, clearly showing the exclusion of the fistulas.

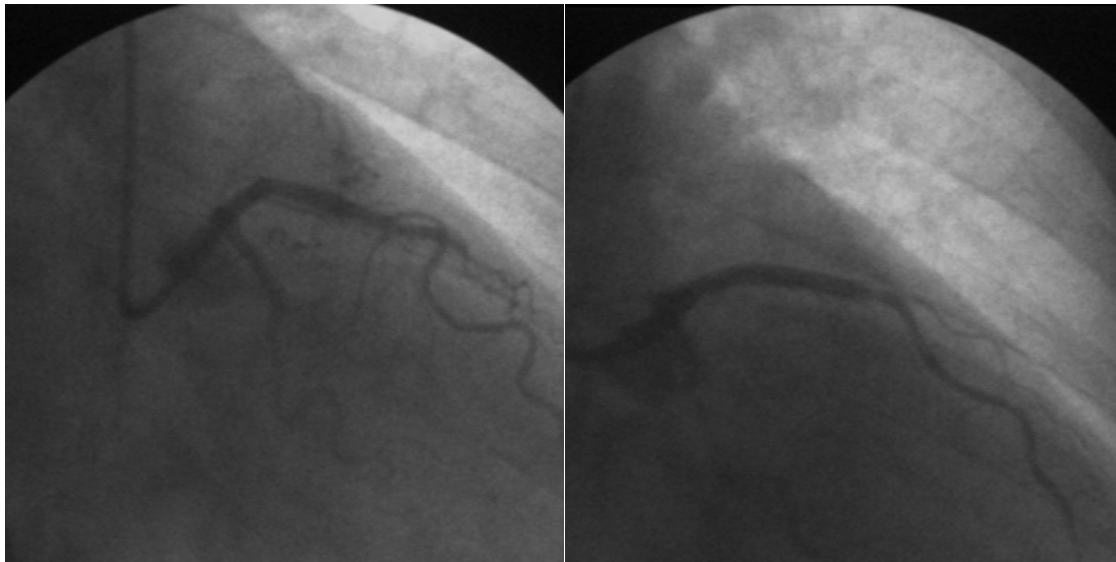


Figure 1

Figure 2