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Genous[™]
BIO-ENGINEERED R STENT[™]

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The First Genous Bio-engineered R stent Implantation in an Asian Patient

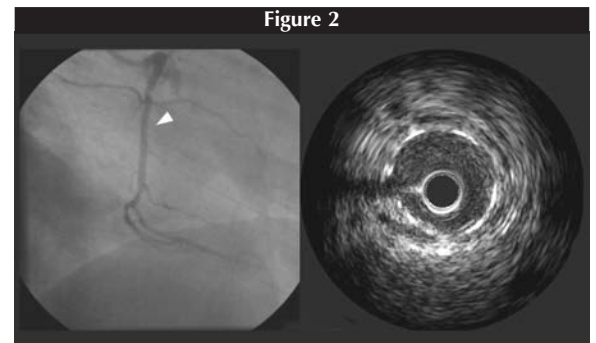
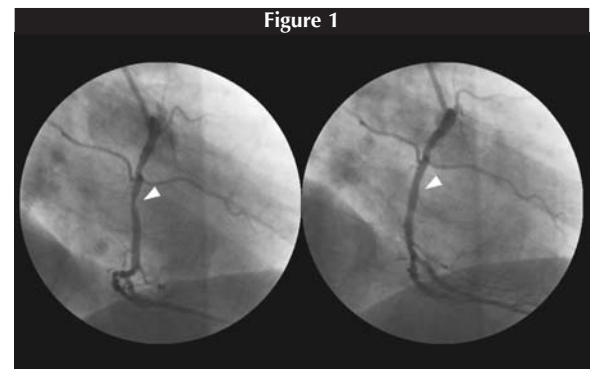
CASE DETAILS:

The patient is a 36 year old Asian Indian male with a background history of smoking and hyperlipidemia. He had unstable angina pectoris. Subsequent coronary angiography revealed double vessel coronary artery disease involving the left circumflex and mid right coronary arteries.

The patient underwent staged percutaneous coronary intervention. A bare metal stent was implanted in the first obtuse marginal branch of the left circumflex artery. This was followed by the mid right coronary artery (RCA) lesion which was targeted to receive a **Genous Bio-engineered R stent**, the world's first bio-engineered stent that captures endothelial progenitor cells for accelerated natural healing.

The right coronary ostium was selectively cannulated using a 6Fr JR4 guiding catheter. Diagnostic angiography revealed a discrete eccentric 75% stenosis in the mid RCA. A 2.5 x 9 mm balloon loaded on a 0.014 inch guidewire was first used to cross the stenosis. The lesion was pre-dilated at a pressure of 8 atm. This was followed by delivery of a 3.0 x 18 mm **Genous R stent** across the lesion. The stent was deployed at 16 atm. Final angiography showed excellent results with good stent apposition (*Figure 1*).

At 7 months follow up, the patient remained asymptomatic. Repeat angiography showed a widely patent stented mid RCA segment with a normal TIMI grade 3 antegrade flow. Intravascular ultrasound performed using a 40MHz catheter showed complete stent endothelialization with minimal intimal hyperplasia (*Figure 2*).



"The follow up angiographic result is exactly the same as the post stenting angiographic result. The vessel remains open and there are no signs of in-stent restenosis,"
said Doctor Tan.