

# “Full plastic jacket”: 18-month follow-up after implantation of multiple overlapping bioresorbable vascular scaffolds

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A 77-year-old diabetic male with non-ST-segment elevation myocardial infarction underwent coronarography which showed diffuse disease of the left anterior descending (LAD) coronary artery (**Figure 1A**). Considering the length and the site of the lesion, a vessel reconstruction with multiple bioresorbable vascular scaffolds (BVS) (Absorb; Abbott Vascular, Santa Clara, CA, USA) implanted in overlap (“full plastic jacket”) from the distal to the mid LAD was successfully performed (**Figure 1B**). The patient was discharged the day after PCI on dual antiplatelet therapy for 12 months. He has remained asymptomatic and free from cardiac events up to 18 months follow-up when he underwent scheduled angiographic follow-up which showed good angiographic and optical coherence tomography (OCT) results with only three over 1,018 (0.2%) struts uncovered (**Figure 1C-Figure 1H, Moving image 1, Moving image 2**). These images show that a “full plastic jacket” could be an

interesting strategy in case of diffuse disease, particularly when it involves the mid-distal LAD. Indeed, this reconstruction technique does not preclude an eventual future surgical revascularisation once BVS resorption is complete.

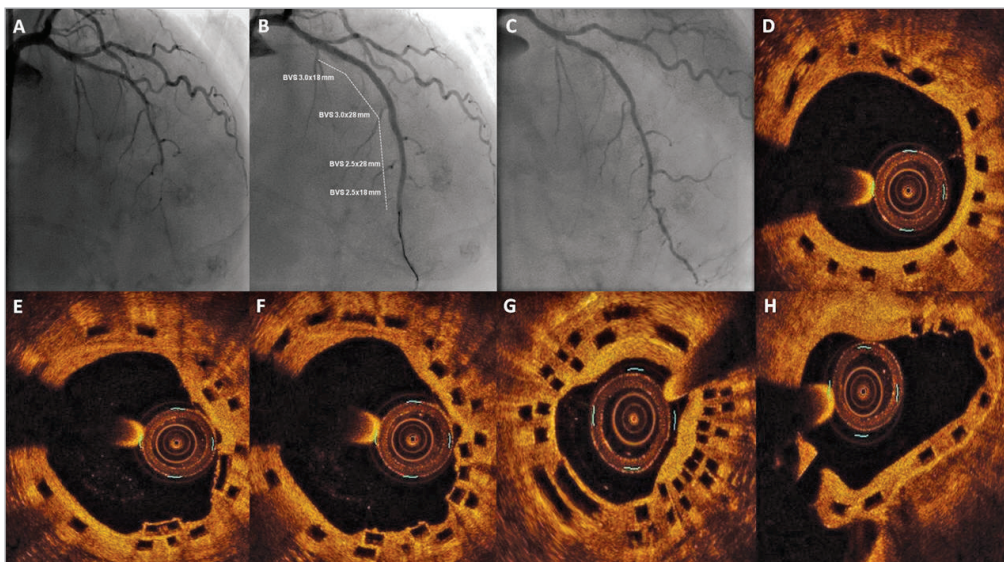
## Conflict of interest statement

The authors have no conflicts of interest to declare.

## Online data supplement

**Moving image 1.** OCT pullback showing follow-up result after multiple overlapping BVS (2.5×18 mm, 2.5×28 mm, 3.0×28 mm with overlap sites) implantation from distal to mid LAD.

**Moving image 2.** OCT pullback showing follow-up result after overlapping BVS implantation (3.0×28 and 3.0×18 mm with overlap site) in the mid LAD.



**Figure 1.** Complete LAD reconstruction with multiple overlapping BVS. A) Angiography shows a long LAD lesion. Immediate (B) and 18-month (C) angiographic results following overlapping BVS (2.5×18 mm, 2.5×28 mm, 3.0×28 mm and 3.0×18 mm) implantation from distal to mid LAD. OCT images after 18 months show that all BVS (recognisable with a box shape appearance of the struts) are patent and well apposed against the vessel from mid (D) to distal segments (H) passing to the three overlapping sites (E, F, G).

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