Case Summary:
This report presents favorable vessel healing after ABSORB implantation to VG in short-term follow-up. However, further observations are required to monitor the influence of BVS absorption on the VG morphology in long-term follow-up.

TCTAP C-168
Fractional Flow Reserve = 0.8 - Stent or Not Stent?

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[Clinical Information]
Patient initials or identifier number:
CYS
Relevant clinical history and physical exam:
CYS had history of hypertension and diabetes mellitus. He suffered from non-ST elevation myocardial infarction in September 2011, with percutaneous coronary intervention (PCI) using drug-eluting stent (DES) to proximal left anterior descending artery (LAD).
He developed recurrence of angina since November 2012. Physical examination was unremarkable.
Relevant test results prior to catheterization:
Chest X-ray, electrocardiogram, and blood tests were normal.
Relevant catheterization findings:
Restudy coronary angiogram in December 2012 showed ostial LAD moderate disease, patent proximal LAD stent, ostial left circumflex artery (LCX) minor disease and minor RCA disease.
[Interventional Management]
Procedural step:
Right femoral puncture
6Fr sheath was inserted into the right femoral artery
5Fr sheath was inserted into the right femoral vein
Ostial LM engaged with Cordis JL4 ST guiding catheter
St. Jude Medical PressureWire was advanced to distal LAD
Fractional flow reserve (FFR) measured at distal LAD was 0.80
0.014 inch Abott Whisper guidewire was advanced to distal LCX
Another 0.014 inch Abott Whisper guidewire was advanced to distal LAD
St. Jude Medical Optical Coherence Tomography (OCT) was performed at LAD, showing ostial LAD stenosis
Ostial and proximal LAD was pre-dilated with Boston Scientific Flexitome cutting balloon 3.0/10mm
Plaque was shift to the ostial LCX
Ostial LCX was dilated with Abbott Trek balloon 3.0/12mm
LM to proximal LAD was stented with Biosensor Biomatrix 3.0/24mm, overlapped with the previous proximal LAD stent
Plaque was shifted to LCX
Ostial LCX was stented with Biosensor Biomatrix 3.0/11mm
Distal LM and ostial LAD was post-dilated with OrbusNeich Sapphire balloon 4.0/10mm
Post-procedural OCT was performed at LM to LAD stent
Post-procedural FFR measurement at distal LAD was 0.94
Procedure completed