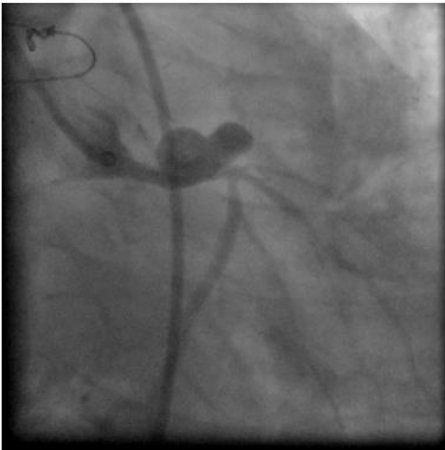


**Stent-Assisted Coil Embolization of Left Main Trunk Coronary Aneurysm**

A 47-year-old man with a left main trunk (LMT) coronary artery aneurysm, underwent coil embolization treatment. One year ago, he underwent coronary artery bypass surgery (CABG) for left anterior descending artery (LAD) and high lateral branch (HL), and surgical plasty of the aneurysm was also simultaneously performed. Nevertheless, the aneurysm still grew up to 8/15mm (A). First, a bare metal stent (4/23mm) was deployed from LMT to HL branch. After stenting, the second guidewire was advanced via the strut window into the aneurysm. A microcatheter was advanced to the inside of aneurysm via the guidewire. Then total 11 coils were deployed via the microcatheter. To prevent coil migration, a perfusion balloon catheter was inflated during coil delivery. The post procedural intravascular ultrasound (IVUS) imaging showed a slight coil migration, so we deployed an additional stent. The final IVUS imaging showed a satisfactory result without coil migration. A final angiogram showed that aneurysm was completely occluded (B). Stent-assisted coil embolization would be a sound strategy for treatment of coronary artery aneurysm.

**A**



**B**

