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Image Corner: Looking at the Heart

Images/courtesy St. Elizabeth Hospital, Edgewood, Kentucky

The SOMATOM Force CT system (Siemens Healthcare), which enables fast temporal resolution, was used to perform a coronary CT angiogram (CCTA) on an emergency department patient. The CCTA displayed a 90 percent or greater non-calcified short stenosis in the mid left anterior descending coronary artery (LAD). The next day, the patient's coronary catheterization revealed a mid-LAD stenosis, type B1 and ulcerative, just distal to a moderate-sized diagonal. A drug-eluting stent was placed; no residual stenosis and normal distal flow was observed. A day after stent placement, the patient was discharged. ■



Figure 1. CCTA shows minimum 90% non-calcified stenosis in mid LAD.



Figure 3. Additional CCTA image (obtained at 80 kV).

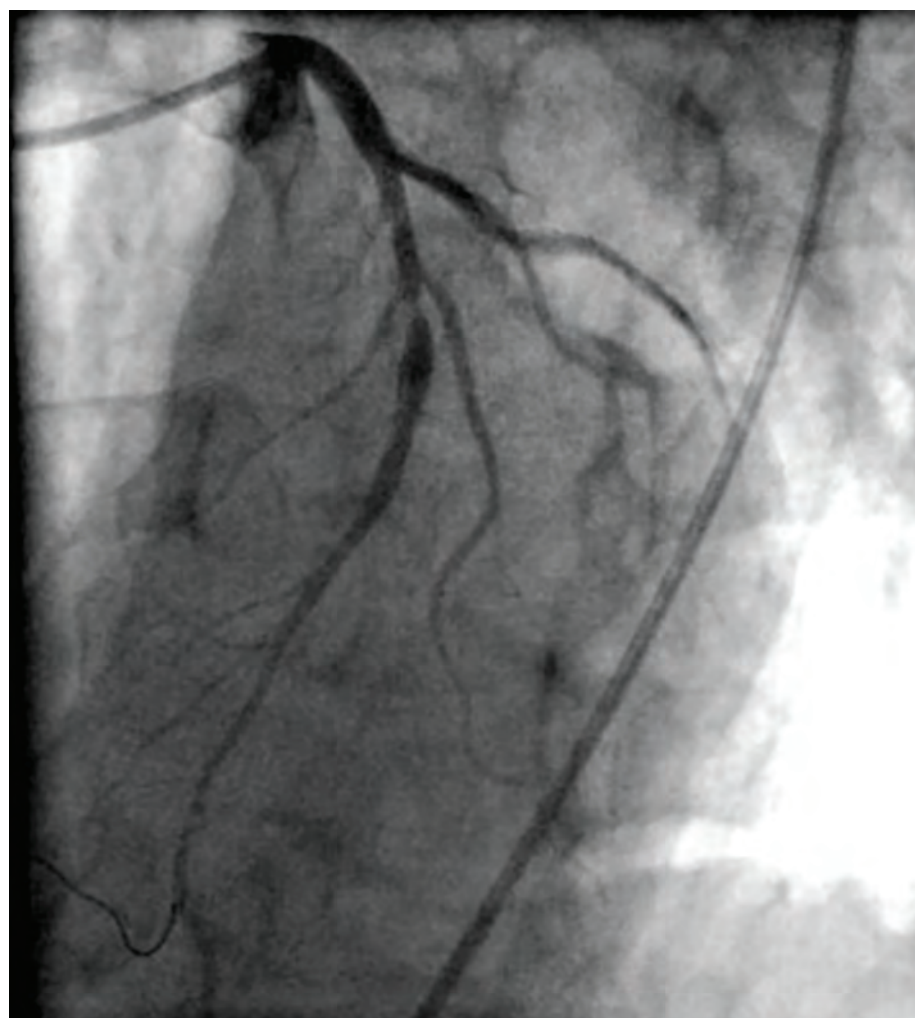


Figure 2. Subsequent preprocedural coronary catheterization.

The CCTA displayed a 90 percent or greater non-calcified short stenosis in the mid LAD.



Figure 4. Additional CCTA image (obtained at 80 kV).