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**A case of STEMI with giant coronary-pulmonary fistula**

A 82-year-old lady admitted with typical substernal chest pain. ECG revealed atrial fibrillation with ST-segment elevation in precordial leads. Coronary angiography revealed no significant stenosis in RCA and LCx. A giant fistula arose from proximal LAD draining to main pulmonary artery with a diameter of 8 mm made it difficult to determine the culprit vessel. Fortunately, antegrade flow spontaneously recovered which revealed distal LAD arose from huge fistula with acute angle. With some difficulty in guide-wiring and device-delivery, we put Xience Xpedition 3.0x18mm by a system with 6Fr CLS guide-catheter and Glandslam guidewire. Significant O<sub>2</sub> step up from RA to main PA was observed, and Q<sub>p</sub>/Q<sub>s</sub> was 1.40. Final TIMI flow was 2, and ST resolution was poor due to coronary steal by giant fistula. We report a case of coronary artery to pulmonary artery fistula leading to acute anterior myocardial infarction with some literature review.

