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Infected Coronary Artery Aneurysm - A Rare but Fatal Complication of Percutaneous Coronary Intervention

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A 43 year old male underwent successful PCI to LCX. 3 months after the procedure, he presented with NYHA class III-IV angina associated with low grade fever and reduced appetite. Biochemical parameters including complete blood count and renal function tests were normal.

coronary angiogram and could not be saved. Infected coronary aneurysms are a rare and potentially fatal complication [1] after drug eluting stent implantation [2] and may arise from contamination of cathlab equipment.

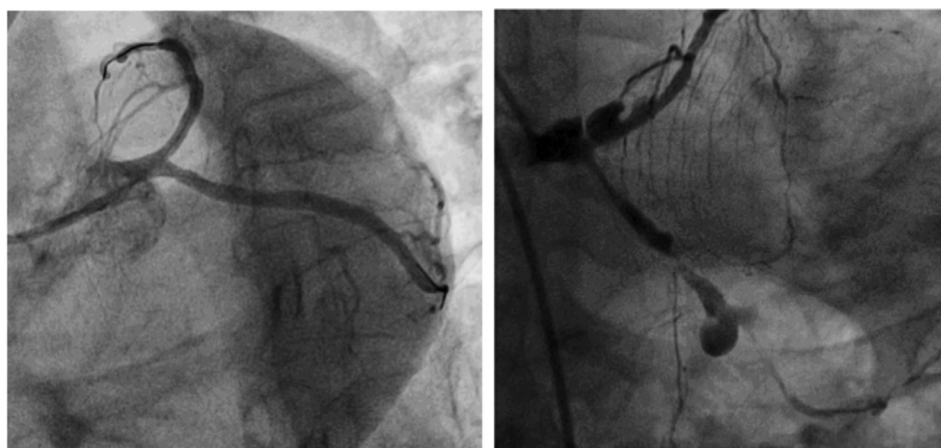


Fig. 1. Post PTCA to LCX image. Infected coronary aneurysms in Left main and LCX vessels seen 3 months after index procedure.

ECG showed ST segment depression in lateral leads. Echocardiography showed lateral wall hypokinesia with moderate mitral valve regurgitation. Coronary angiogram revealed large mycotic aneurysms in LAD and LCX coronary arteries (Fig. 1). Blood culture showed growth of *Pseudomonas aeruginosa*. The patient developed refractory pulmonary edema few hours after the

References

- [1] J Cardiovasc Comput Tomogr. 2019 Jan 26. pii: S1934-5925(18) 30446-30455. doi: 10.1016/j.jcct.2019.01.018. [Epub ahead of print] Infected ("Mycotic") coronary artery aneurysm: Systematic review. Restrepo CS1, Gonzalez TV2, Baxi A3, Rojas CA4.
- [2] Sinha SK, Aggarwal P. TCT-767 Coronary artery aneurysm after drug eluting stenting- incidence, predictors and outcome- a single centered study. J Am Coll Cardiol 2018 Sep; 72(13 Supplement):B306. <https://doi.org/https://doi.org/10.1016/j.jacc.2018.08.1995>.

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