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Evaluation of Dissection After Coronary Stent Implantation by Intravascular Optical Coherence Tomography

Konstantinos Toutouzas, M.D., Sophia Vaina, M.D., Maria I. Riga, M.D., Christodoulos Stefanadis, M.D.

First Department of Cardiology, University of Athens, Hippokration Hospital, Athens, Greece

Address for correspondence:
Konstantinos Toutouzas, M.D.
First Department of Cardiology
University of Athens
Hippokration Hospital
Athens, Greece
ktoutouz@otenet.gr

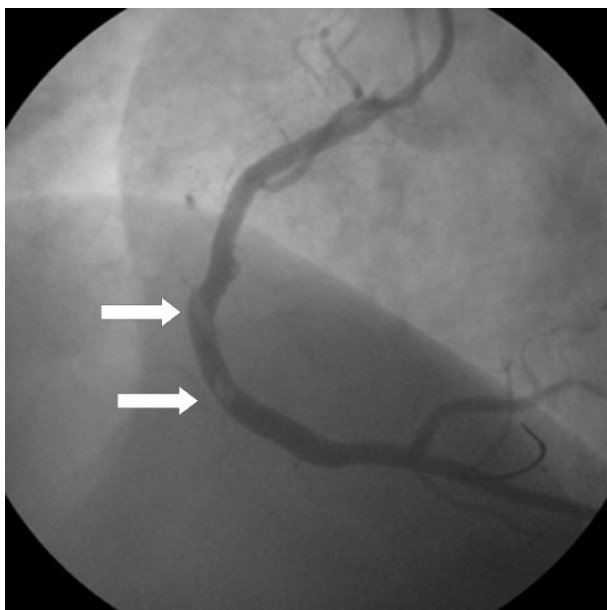


Figure 1. Angiographic dissection with thrombus after stent implantation (arrows).

A 54-year-old man was admitted with a non-ST-elevation myocardial infarction of the inferior wall with subtotal occlusion of the right coronary artery (RCA). Immediately after a bare metal stent implantation, a nonocclusive dissection distal to the stent was observed (Fig. 1). Optical coherence tomography (OCT) study revealed an intraluminal thrombus (Fig. 2A) and a large dissection (Fig. 2B) extending from the distal stented segment to the bifurcation of RCA with the posterior descending artery.¹

Reference

1. Bouma BE, Tearney GJ, Yabushita H, Shishkov M, Kauffman CR, et al.: Evaluation of intracoronary stenting by intravascular optical coherence tomography. *Heart*. 2003;89:317–320.

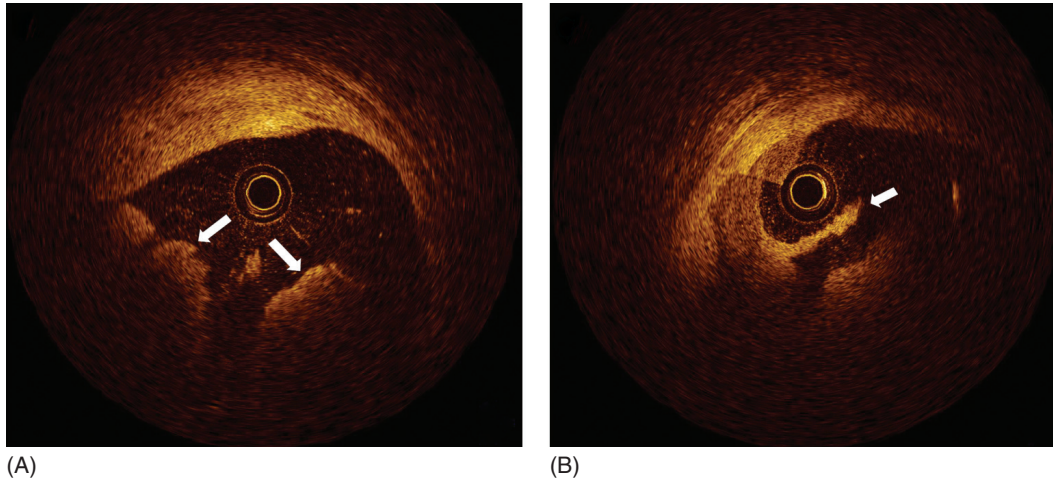


Figure 2. Optical coherence tomography imaging. (A) Thrombus detection (arrows) distally to the stent. (B) Dissection distally to the stent with flap (arrow).