IVUS video Workshop
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Volume I: Coronary Stenting with Ultrasound Guidance

Featuring Antonio Colombo and Jonathan Tobis, with Peter Fitzgerald and Paul Yock

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The video explores excellent results obtained with deployment of intracoronary stents without the use of intravascular ultrasound imaging. Intravascular ultrasound (IVUS) is a medical imaging methodology using a specially designed catheter with a miniaturized ultrasound probe attached to the distal end of the catheter and the proximal end of the catheter is attached to computerized ultrasound equipment. IVUS provides insight into cases where the pathophysiologic mechanism of subacute thrombosis following stent insertion, and that the information provided by ultrasound imaging led to the use of larger balloons and higher-pressure inflations, which were documented by ultrasound to enlarge the lumen area. Intravascular ultrasound imaging has been helpful in altering therapy, e.g., reinflating with higher pressure, using a larger balloon, redilating proximally or distally in the stent, revealing a stenosis that is unrecognized or underappreciated by angiography , or demonstrating that further intervention is not necessary.

Editorial comment: IVUS and coronary stenting
Jonathan Tobis MD,* and Antonio Colombo MD

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