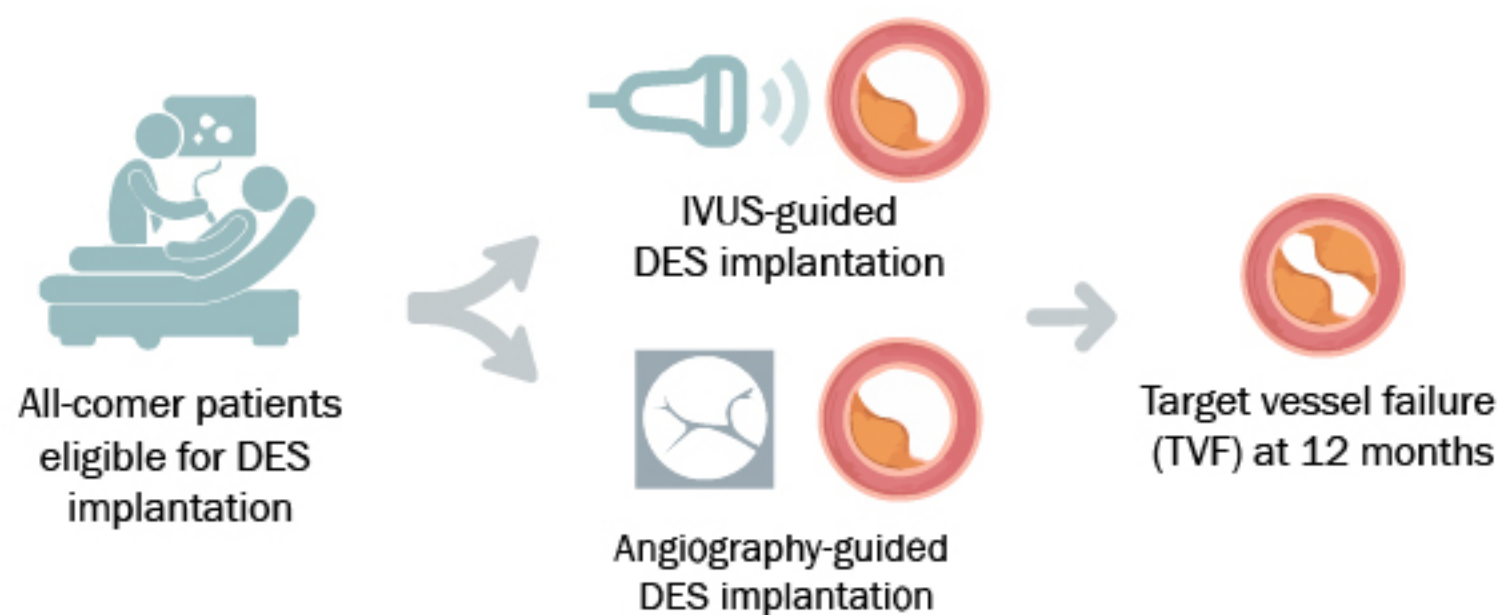




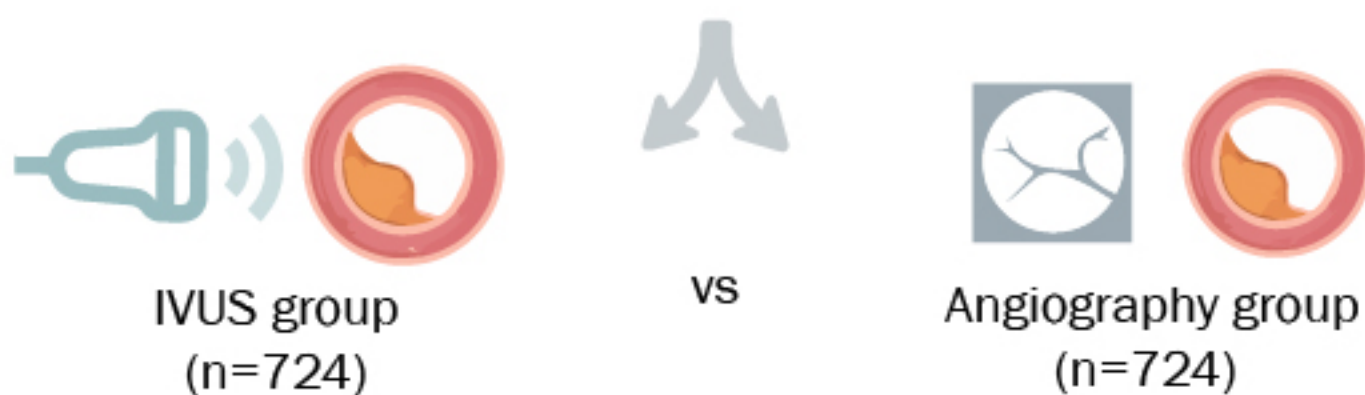
# ULTIMATE: Intravascular Ultrasound-Guided Versus Angiography-Guided Implantation of Drug-Eluting Stent

Prospective, multicenter, randomized trial

Objective: To determine the benefits of IVUS guidance over angiography guidance during drug-eluting stent (DES) implantation in all-comer patients.



**1,448** Patients with stable or unstable angina or MI eligible for DES implantation were randomized to



### Primary Outcome

<b>2.9%</b>	TVF at 12 months HR 0.53; 95% CI 0.31-0.90; <b>P=0.019</b>	<b>5.4%</b>
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### Secondary Outcome

<b>0.9%</b>	Target lesion revascularization or definite stent thrombosis HR 0.40; 95% CI 0.18-0.88; <b>P=0.02</b>	<b>2.3%</b>
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IVUS-guided DES implantation significantly improved clinical outcome in all-comers, particularly for patients who had an IVUS-defined optimal procedure, compared to angiography guidance.