



The ESC guidelines have changed

Class 1A

Indication for the use of Intravascular Imaging in complex lesions PCIs

2024 ESC Guidelines for the management of chronic coronary syndromes (CCS)¹

Scientific



Highest level of guidelines recommendation for IVUS or OCT-guidance of PCI on anatomically complex lesions, particularly Left Main stem, true bifurcations and long lesions.



Backed-up by **several clinical studies** in the recent years such as RENOVATE-Complex PCI² (complex lesions), IVUS-XPL³ (long lesions) and OCTOBER⁴ (true bifurcations).

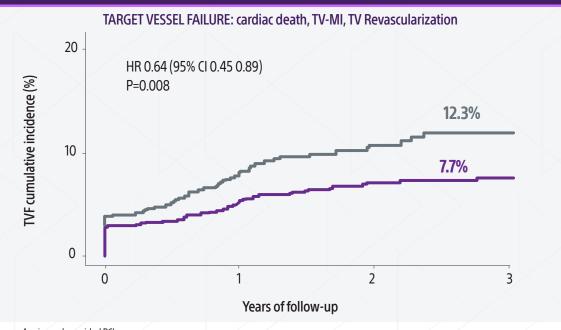


This guidelines update¹, and the strong clinical evidence reaffirm that Intravascular Imaging is **safer and more effective**²⁻⁴ for the guidance of PCI **compared to angio guidance alone.**

IVUS-XPL³ (n=1400) Long lesions (>28mm) TARGET VESSEL FAILURE: cardiac death, TV-MI, TV Revascularization 15 HR 0.50 (95% CI 0.34 0.75) TVF cumulative incidence (%) 10.7% P=0.001 10 5.6% 5 0 2 4 1 5 0

RENOVATE-COMPLEX-PCI² (n=1639) Complex Lesions

Years from randomization



Angiography-guided PCI Imaging-guided PCI



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1. Vrints C., et al. European Heart Journal (2024) 00,1-123 https://doi.org/10.1093/eurheartj/ehae177.

2. Lee et al, *N Engl J Med* 2023;388:1668-1679. 3. Hong, SJ, et al. *JAMA* 314.20 (2015): 2155-2163.

4. Holm et al. N Engl J Med 2023;389:1477-1487.

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