

How OCT/IVUS Can Help You During PCI for Bifurcations

Coronary artery bifurcation lesions remain challenging despite well development of specific bifurcation stenting techniques. The intracoronary imaging with the highest resolution can help the percutaneous coronary intervention (PCI) operators to approach the variable geometry of bifurcation lesions. Knowledge of plaque distribution and calcification facilitates planning of the best strategy of PCI. OCT/IVUS can help us to avoid side-branch compromise at the ostium after main vessel stenting in daily practice. OCT is unique because it allows the identification of the site of guide wire crossing. 3D OCT is the only one intracoronary imaging tool to visualise en face of side-branch ostium. There are so many strong evidences showing IVUS can improve outcome of bifurcation PCI.