

Successful recanalization of right coronary artery chronic total occlusion using reverse CART technique via the Kugel's artery

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Recently developed retrograde approaches via collateral arteries dramatically improve the success rate of percutaneous coronary intervention (PCI) for chronic total occlusion (CTO). The Kugel's artery is a small vessel running through the atrial septum which connects the proximal left circumflex artery or the proximal right coronary artery (RCA) to the distal RCA. This artery can serve as a collateral channel in patients with CTO. However, feasibility and safety of the Kugel's artery as a retrograde access route remain unknown. We report a successful PCI of a mid RCA CTO using the reverse controlled antegrade and retrograde subintimal tracking (CART) technique via the ipsilateral Kugel's artery (Figure). Technical aspects will be discussed in detail at the conference.

