²*** TCTAP2024

25,April 2024 TCTAP workshop CTO-PCI : To Treat, or Not To Treat Case 4. CT-guided CTO-PCI

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Disclosure

Kaneka Medics: consultant





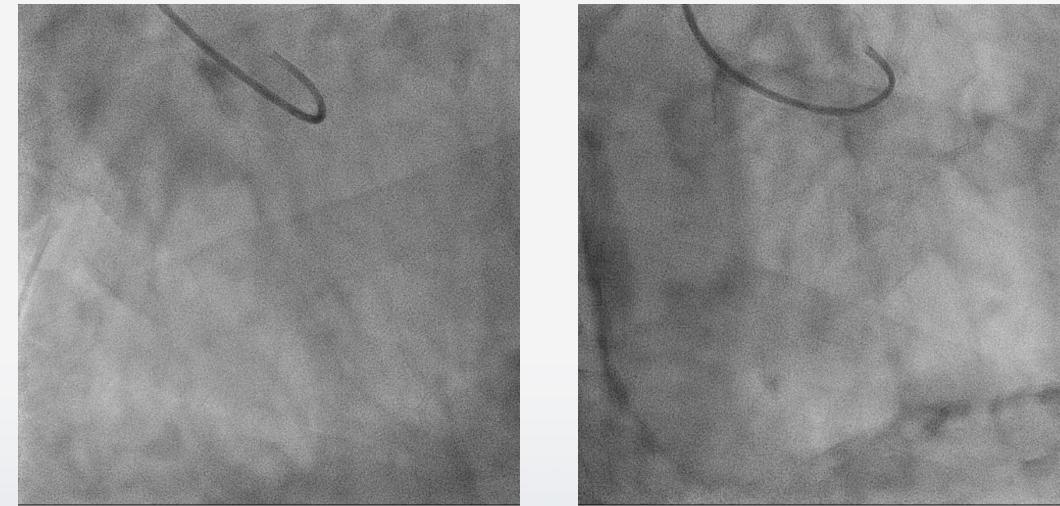
Case Information

- 69 y.o. Male
- Diagnosis: Effort angina pectoris (CCS2), 3 vessel disease
- Target lesion: CTO in mid RCA
- 1st PCI: prox-mid LAD: Xience Skypoint 3.0*48mm
- UCG: diffuse hypokinesis, LVEF:45%, Moderate MR
- Cr: 0.9mg/dl, eGFR:65mL/min/1.73m²
- Coronary risk factor: Hypertension, Dyslipidemia, Diabetes Mellitus

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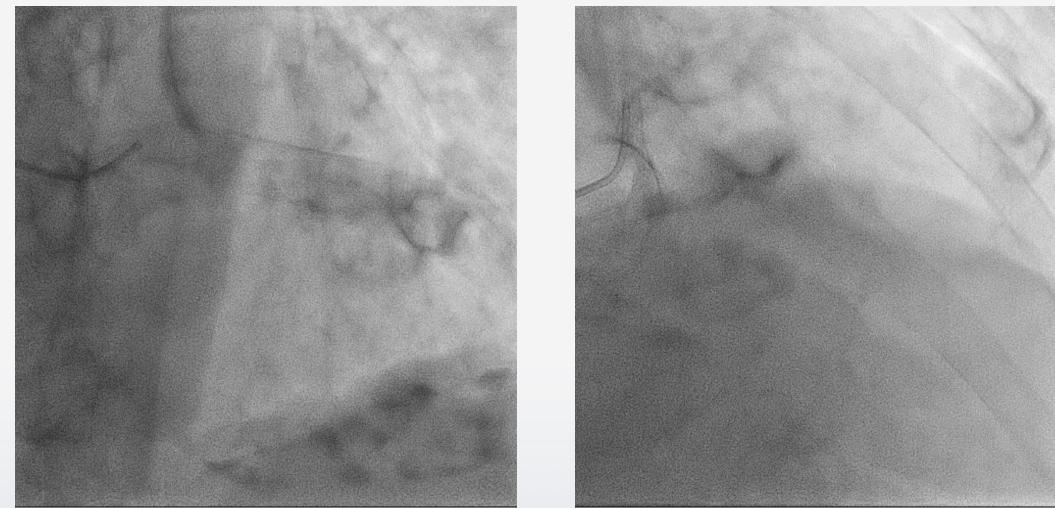






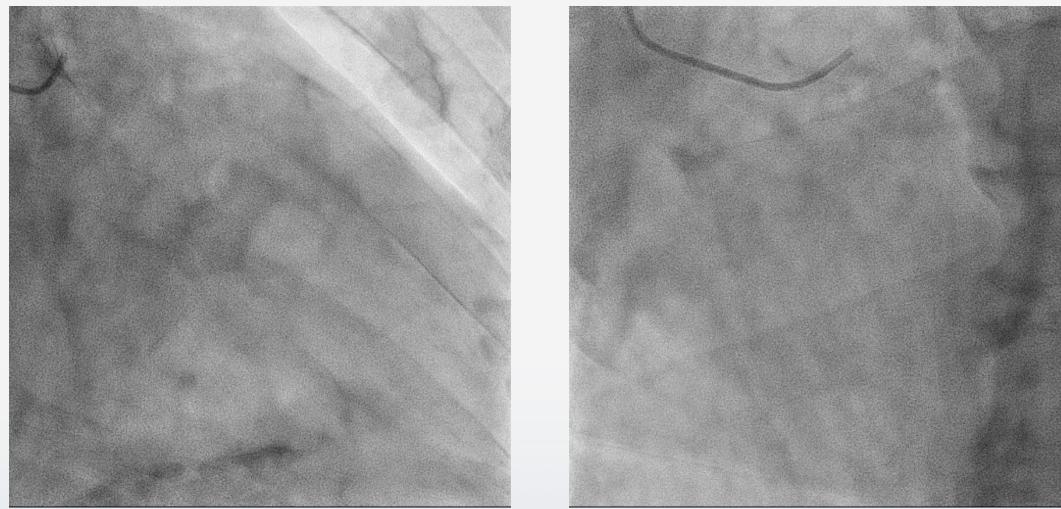










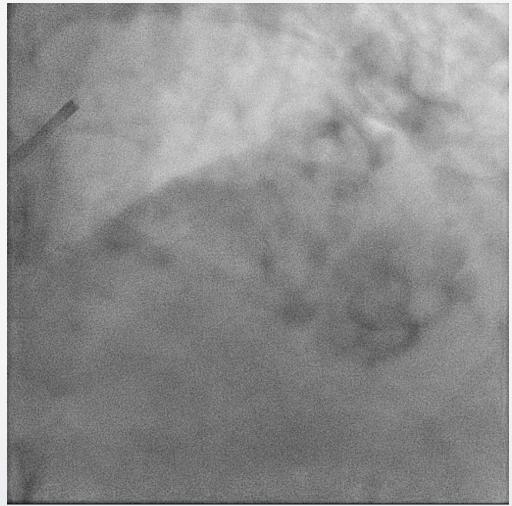




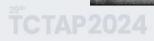
1st PCI for LAD

Pre PCI

Post PCI

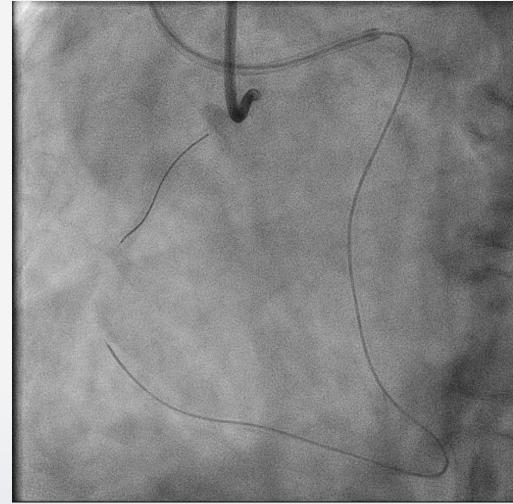


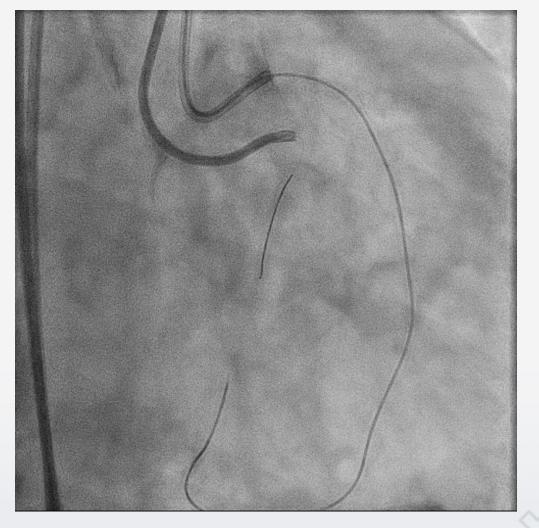




PCI for RCA CTO

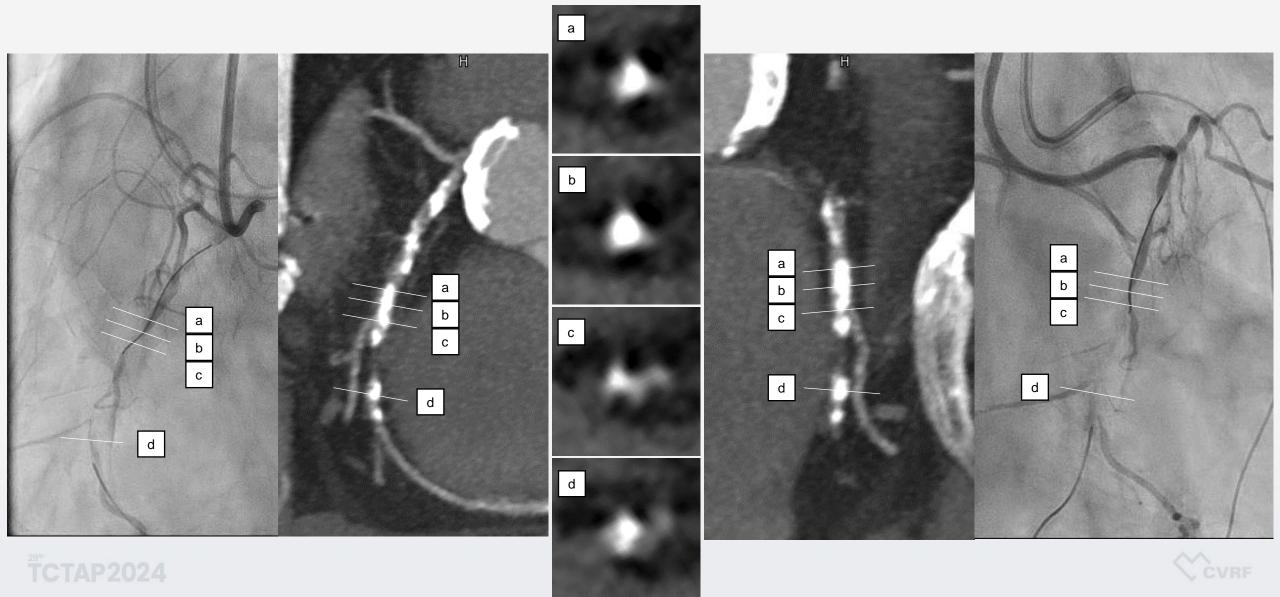
Ante-GC: 7Fr.Hyperion SAL1.0 / Retro-GC: 7Fr.Hyperion SPB4.0SH



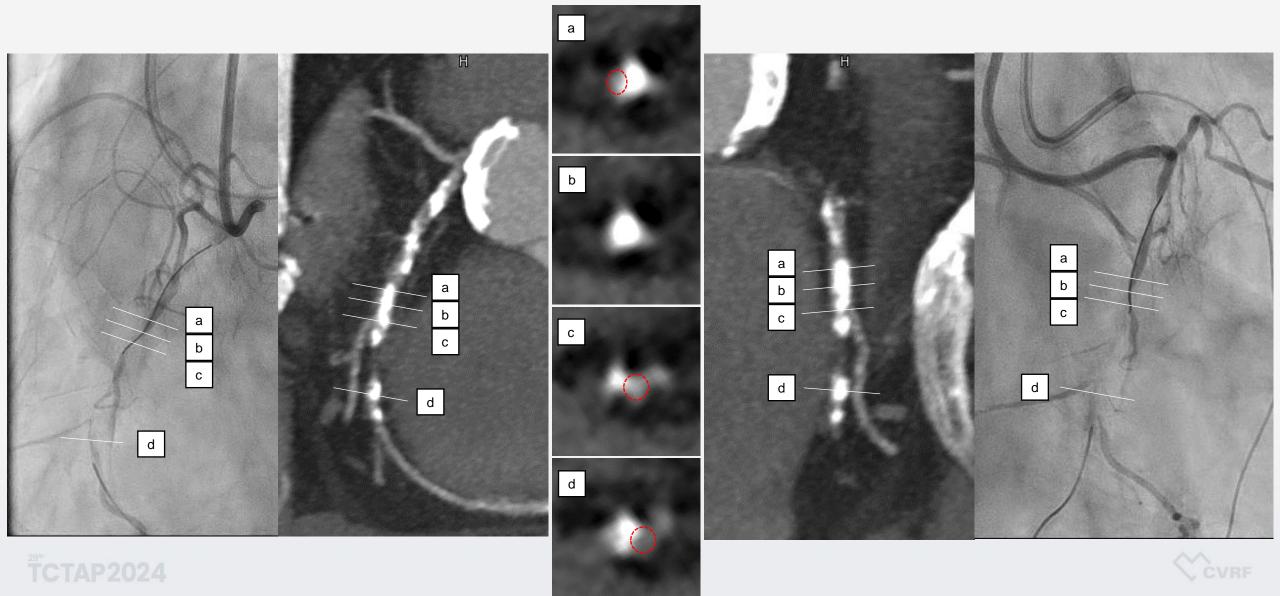




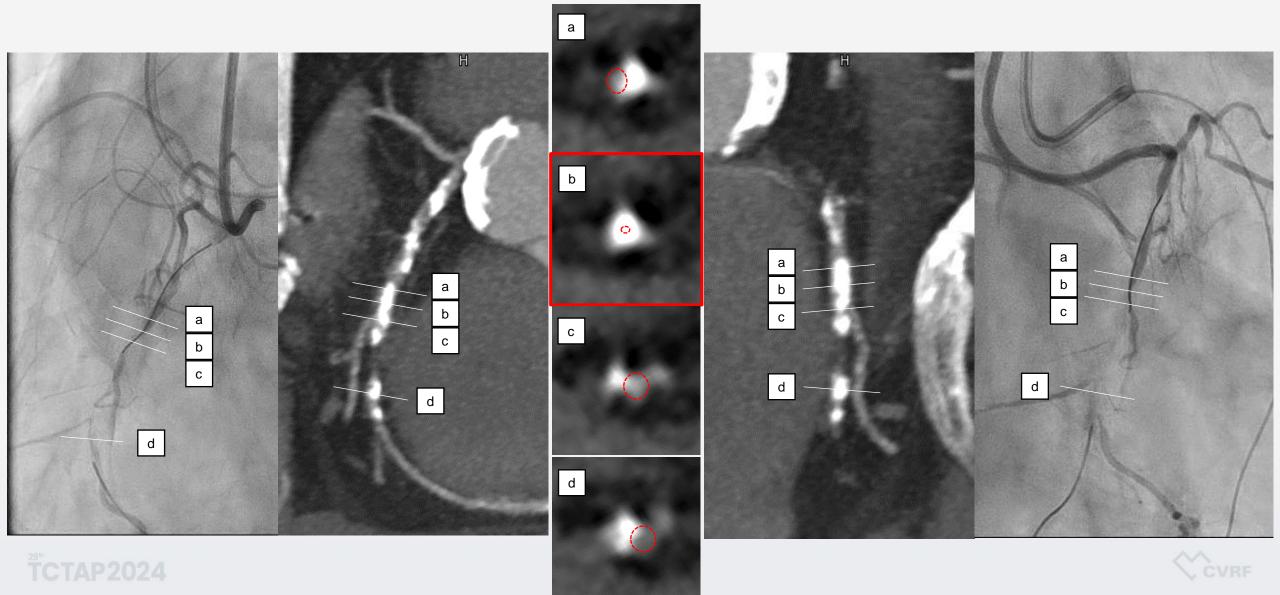
CT analysis of Calcium



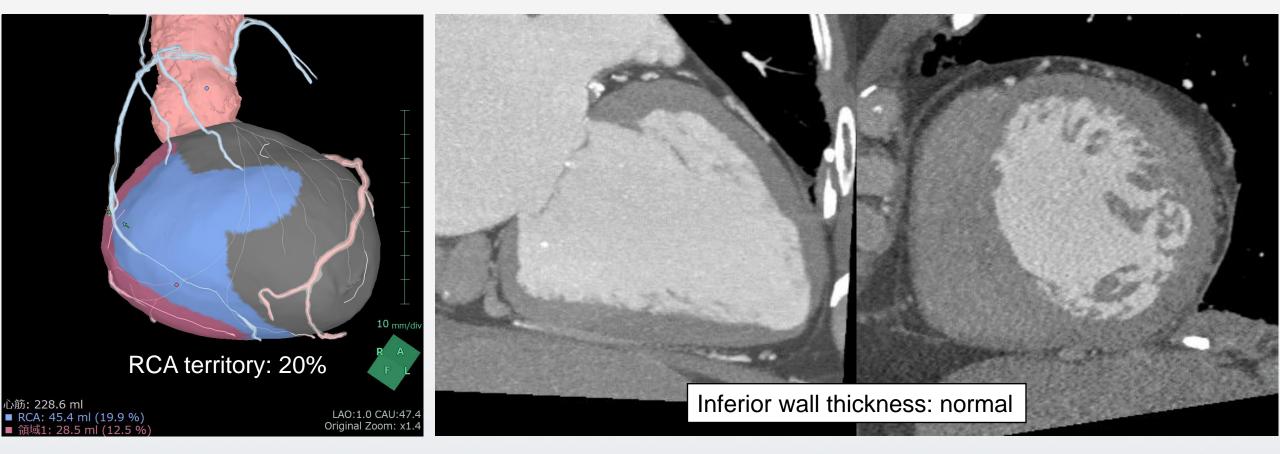
CT analysis of Calcium



CT analysis of Calcium



CT analysis of **CTO-vessel** territory and viability

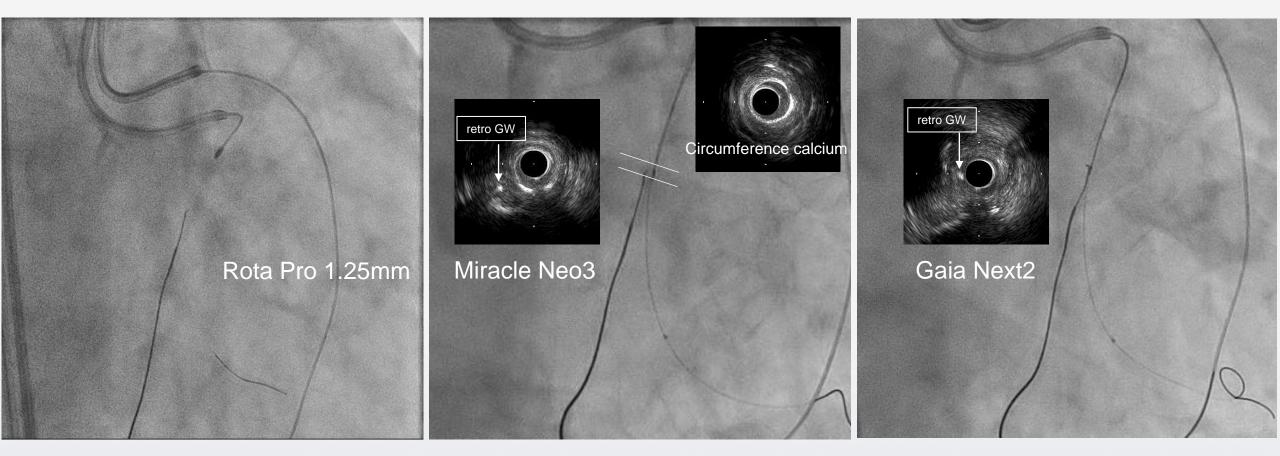


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Retrograde wire cross

After advancement of retro-GW (Miracle Neo3) to near the CTO proximal cap, antegrade IVUS, 1.5mm balloon and Tornus Pro could not pass to RV branch...

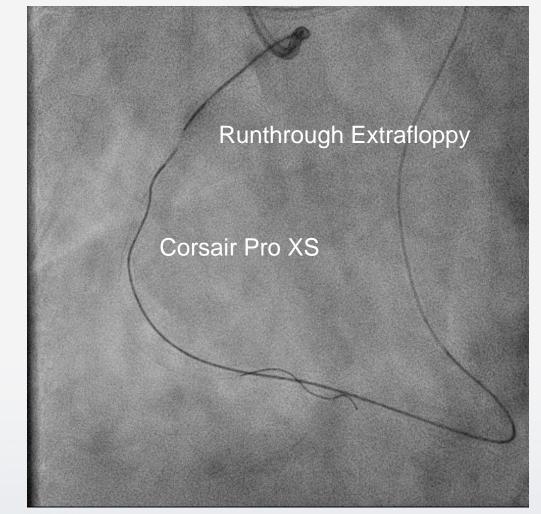




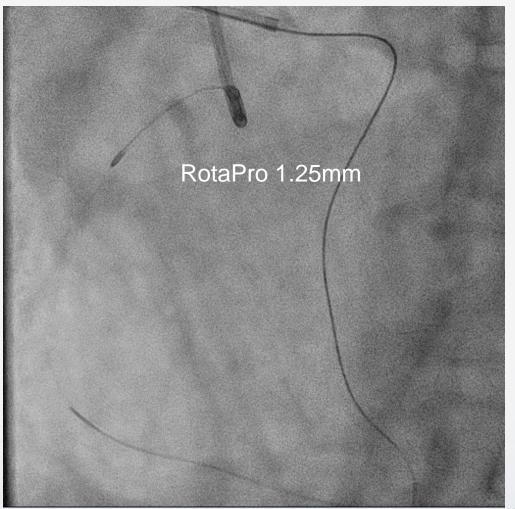


Rendezvous wiring and Rotablator

Retro-Corsair Pro XS could not pass to proximal lumen blocking by calcification...

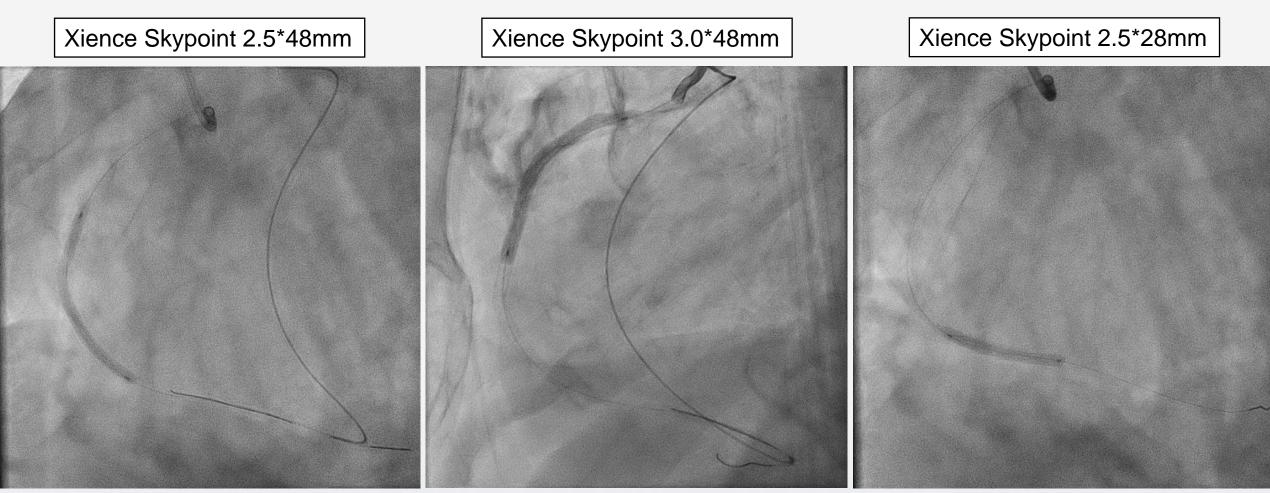


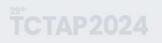
Antegrade IVUS and 1.5mm balloon could not pass the lesion...



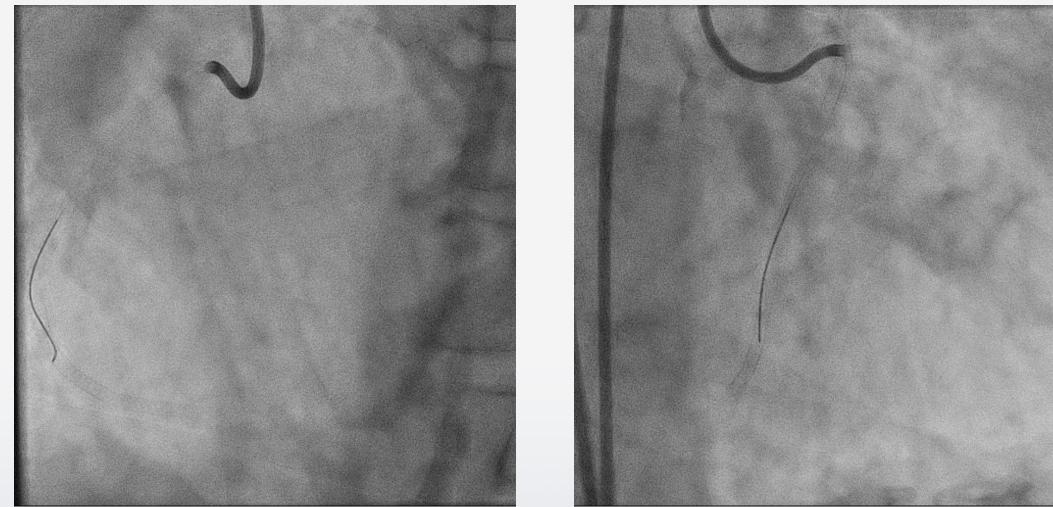
Stenting

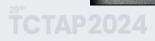
After pre-dilatation by 2.5mm balloon...





Final CAG







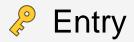
Cardiovascular Intervention and Therapeutics (2021) 36:178–189 https://doi.org/10.1007/s12928-020-00751-6

INVITED REVIEW ARTICLE

Practical utilization of cardiac computed tomography for the success in complex coronary intervention

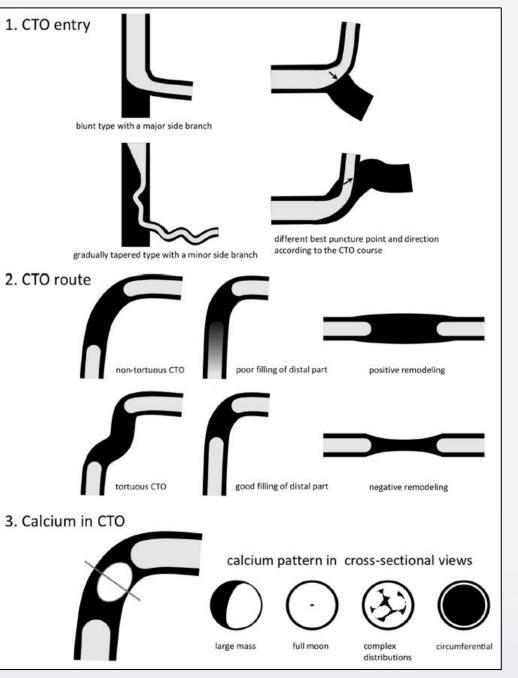
Kenji Sadamatsu¹© • Masaaki Okutsu² • Satoru Sumitsuji³ • Tomohiro Kawasaki⁴ • Sunao Nakamura² • Yoshihiro Fukumoto⁵ • Kenichi Tsujita⁶ • Shinjo Sonoda⁷ • Yoshio Kobayashi⁸ • Yuji Ikari⁹

3 Keywords





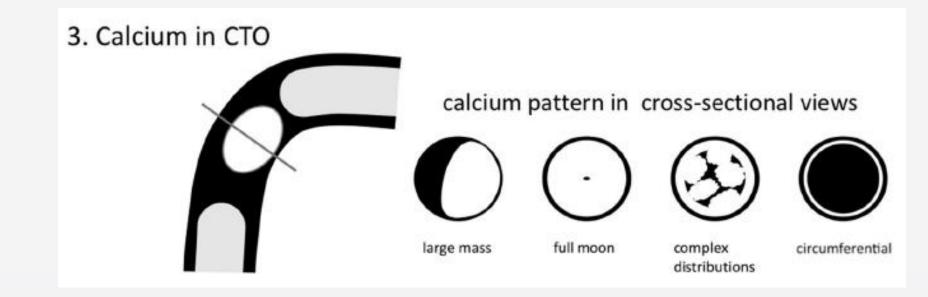




(Sadamatsu K, Okutsu M et al, Cardiovasc Interv Ther. 2021)

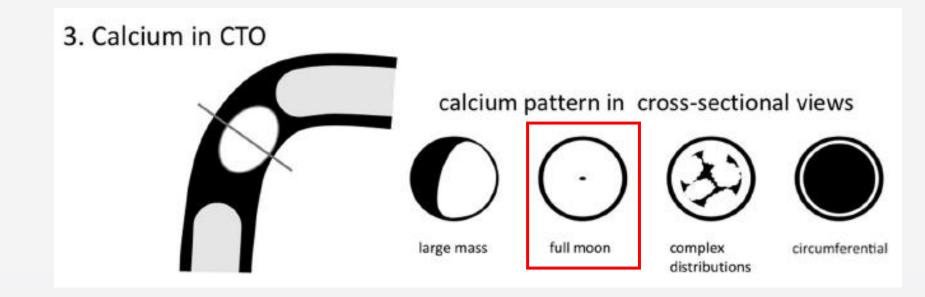














Don't underestimate a small enemy!







