

CT based Planning for Bifurcation PCI

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Potential conflicts of interest

Within the past 12+ months, Carlos Collet has had a financial interest/arrangement or affiliation with the organization(s) listed here.

Institutional Support

- Abbott Vascular
- HeartFlow Inc
- GE Healthcare
- ShockWave Medical
- Boston Scientific
- Insight Lifetech
- Pie Medical
- Medis Medical Imaging

Equity/stock options

- Medyria
- Xenter

Consultancy fee

- Abbott Vascular
- HeartFlow Inc
- GE Healthcare
- Boston Scientific
- Insight Lifetech
- Early Bird
- Pfizer
- Siemens

Others

CoreAalst BV

Patents filed: US20220164950A1, US20220175260A1, WO2022136637A1 and WO2021224458A1



All the interventional cardiologists need to know about CT



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CT for interventional cardiologist







3D calcium map





3D calcium map



Calcium burden 71%

Calcium location and bifurcations



Expansion towards the carina



Eccentric calcium





3D Calcium assessment by CTA





LAD PCI: which diagonal to protect?



Procedural planning by CT





Is the side branch important?





What is the best stenting strategy?





What is the best stenting strategy?





Pre-procedure planning translates to efficient execution LM-LAD/Dg PCI







CT Plaque morphology and FFR_{CT}



Virtual bifurcation PCI



+ Dg2 DES 15 mm

PLAN

CT Based PCI Planning











Hypothesis: A CT-guided PCI strategy is non-inferior to IVUS guided PCI with respect to MACE

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