OCT Images

DES

BRS

DCB Polymer

Dissection

Woven Blood Vessel
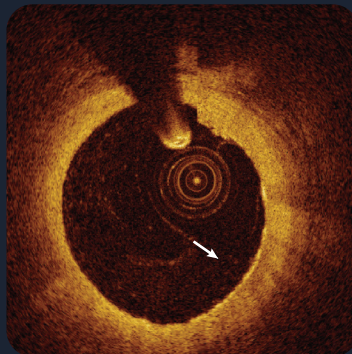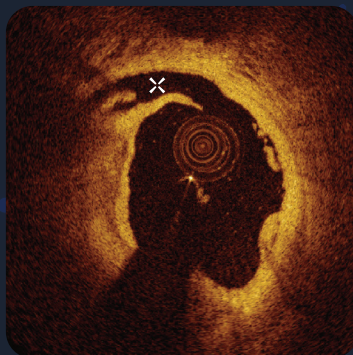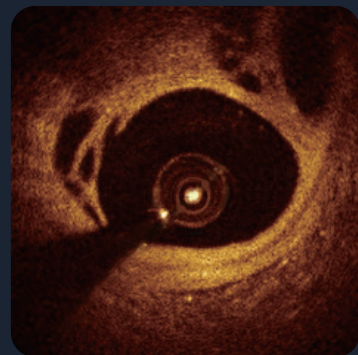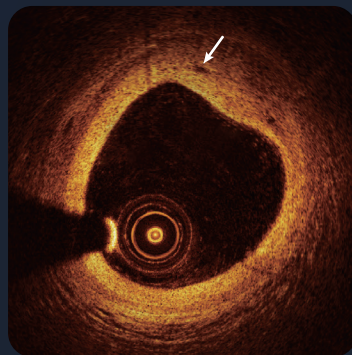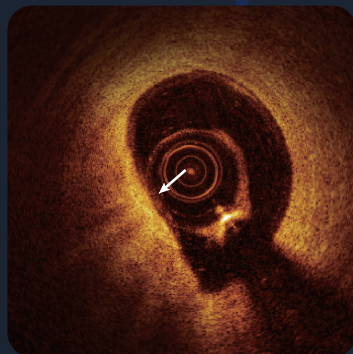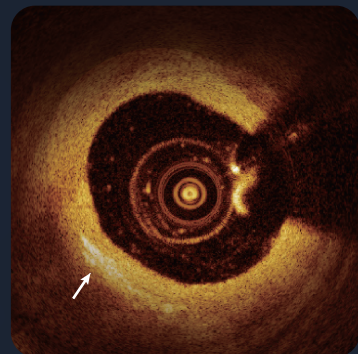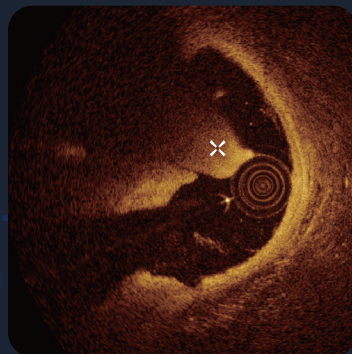

Micro Channels
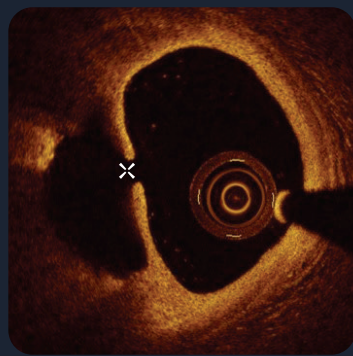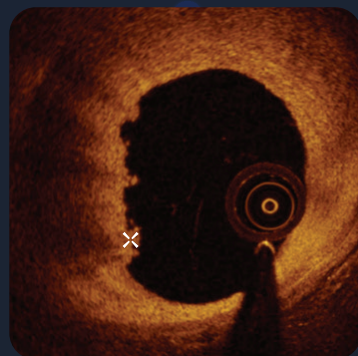

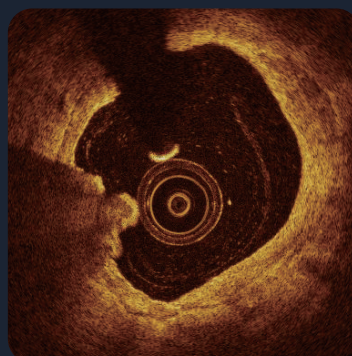Macrophage Infiltration

Cholesterol Crystals

Red Thrombosis

Plaque Rupture

Plaque Erosion

Calcified Nodule

Specifications

Resolution (μm)	≤15
Frame rate (f/s)	200
Pullback range (mm)	40/55/80
Pullback speed (mm/s)	20/40
Scan range (mm)	10
Hard drive capacity (TB)	2

vivolight ®

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Telephone: (0755) 8696 1139
Hotline: 400 6658 779
Website: www.vivolight.com

Product: Intravascular Imaging System
Model: P80-E
Manufacture: Shenzhen Vivolight Medical Device & Technology Co., Ltd.

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Cornaris™ P80-E

Multimodality Intravascular Imaging System

reddot winner 2021

Multimodality Makes Reality

Innovative Features for Clinical Needs

80mm

Full View Mode
Complete an ultra-long pullback of 80mm within 2 seconds
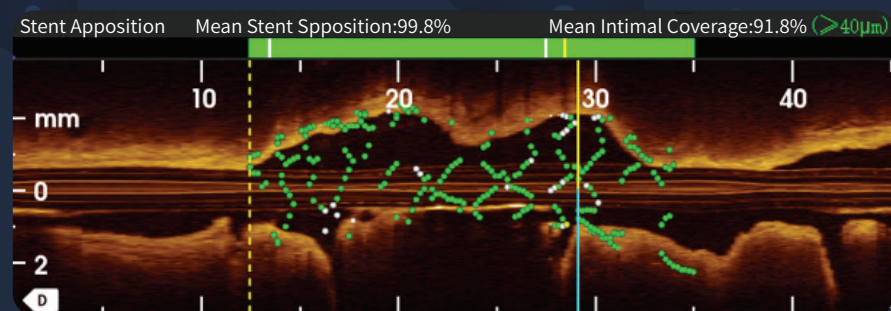
55mm

High Definition Mode
Complete an ultra HD scan of 55mm within 2.75 seconds
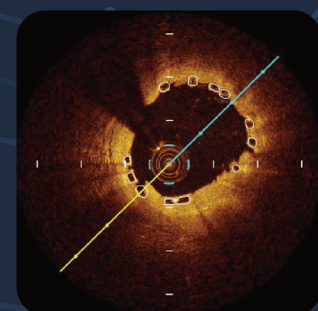
40mm

Super Fast Mode
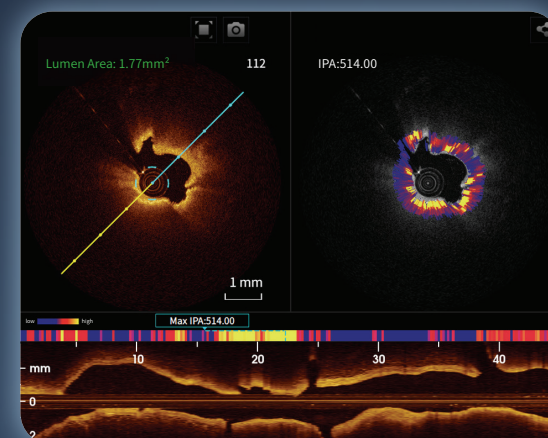Compelte a super fast pullback length of 40mm in 1 second

Auto-Calculation of Neointimal Coverage
Automatic assessment of neointimal coverage after PCI to provide guidance for DAPT(dual antiplatelet therapy) adjustment

Intelligent Evaluation of BRS
Provide automatic evaluation for bioresorbable stents (BRS) after implantation

ACR (angiographic co-registration)
Shorten OCT learning curve, reducing procedure time & volume of contrast

Auto Quantitative Assessment for Bifurcation Lesions
Predict risk of side branch occlusion, adopting optimal strategy for bifurcation lesions

Multimodality Technology

Index of Plaque Attenuation, IPA
Auto assessment of plaque stability for PCI strategy selection, available after a single pullback without extra cost & time
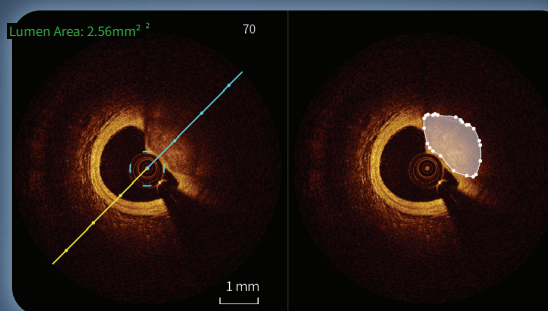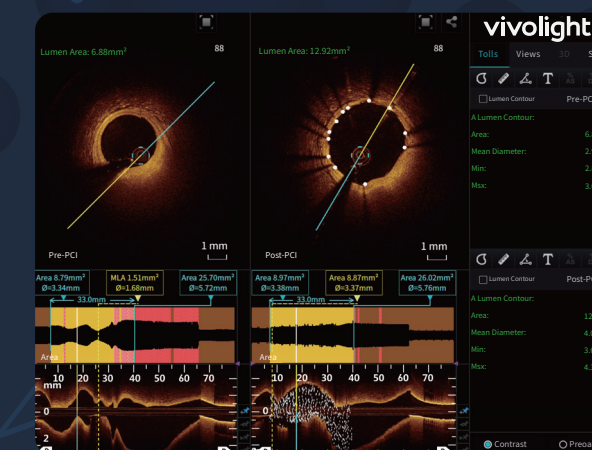

Intelligent Calcium Assessment, ICA
Auto identification & calculation of calcium volume & severity score by AI algorithm, simplifying the treatment of calcified lesions in an easier & faster way
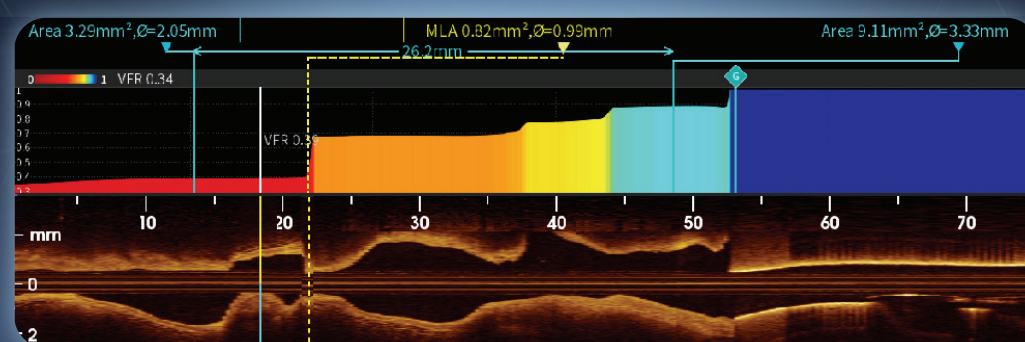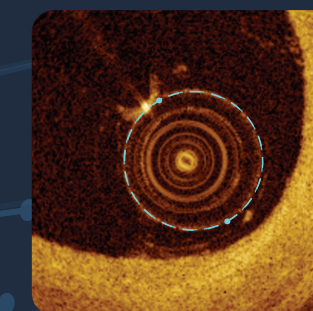

Virtual Flow Ratio, VFR
Functional assessment for coronary artery, no need for extra cost & time
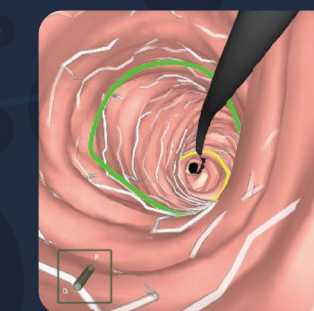
First-in-class OCT Solutions

Pre & Post PCI Image Comparison
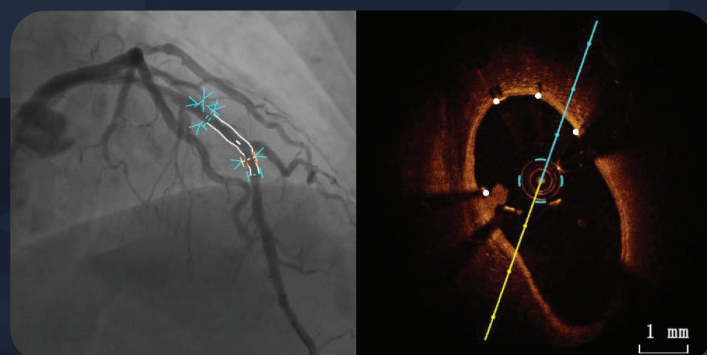Displaying and comparing images before and after PCI on the same screen for easier reading & time saving

Continuous Calibration
Automatic calibration of each frame after pullback, saving procedure time & improving measurement accuracy
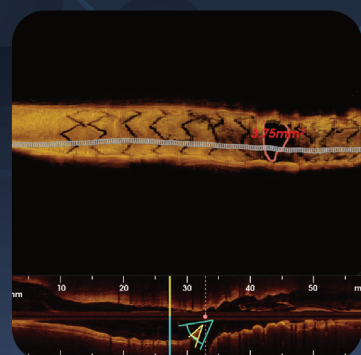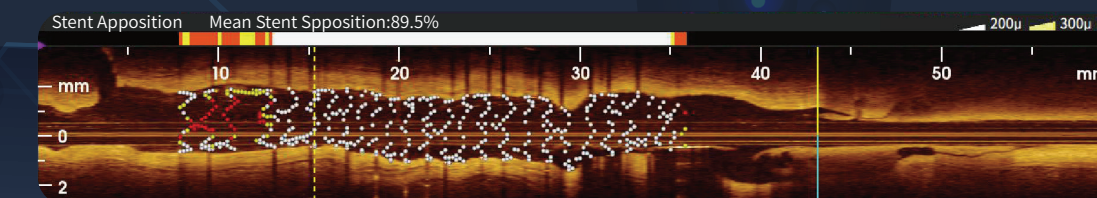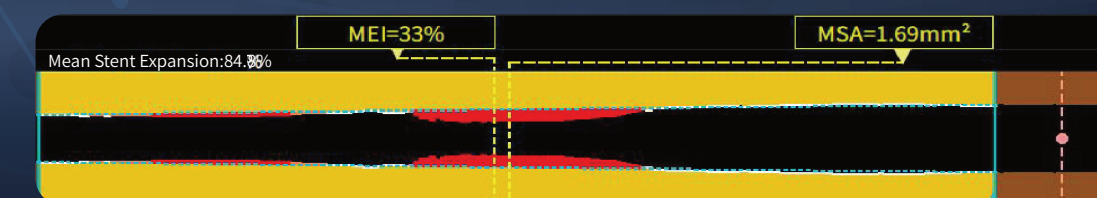
3D View
All-round insight of vascular lumen, showing details from 3D perspective

Auto Assessment of Stent Apposition
With stent visualization, automatically calculate stent apposition rate by each frame & offering average apposition rate of the whole stent

Auto Assessment of Stent Expansion
Tapering feature of vessels & diameter change beside side branch are included as factors for getting more accurate stent expansion index