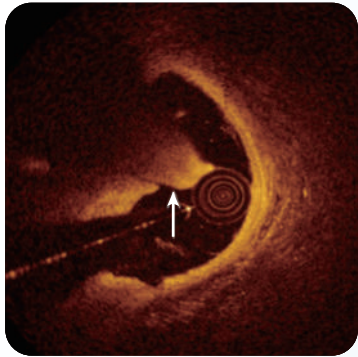
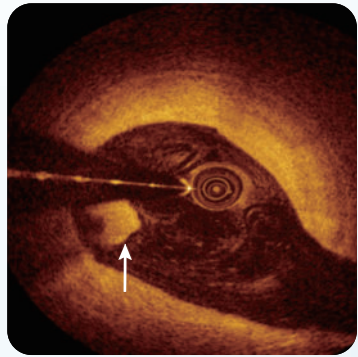


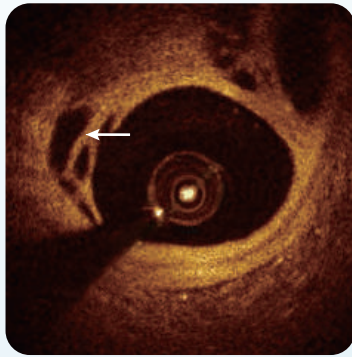
OCT IMAGES



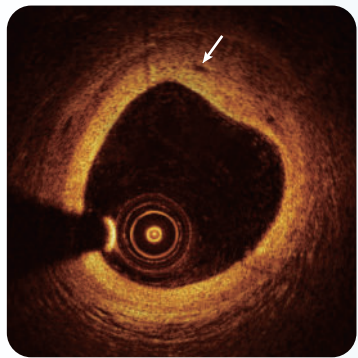
Red Thrombus



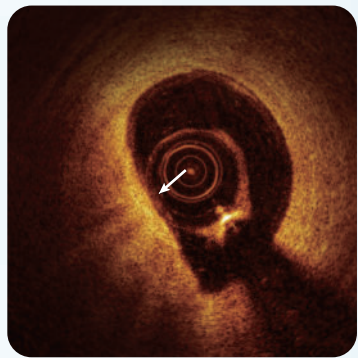
White Thrombus



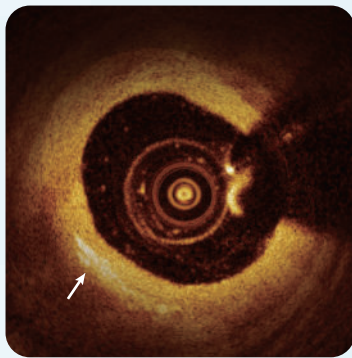
Woven Blood Vessel



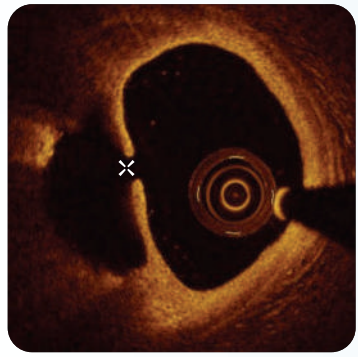
Micro Channels



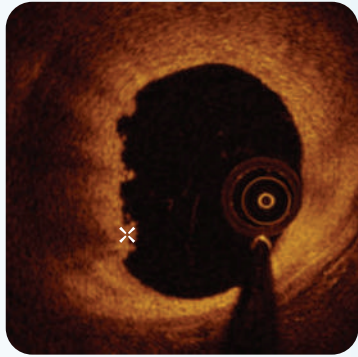
Macrophage Infiltration



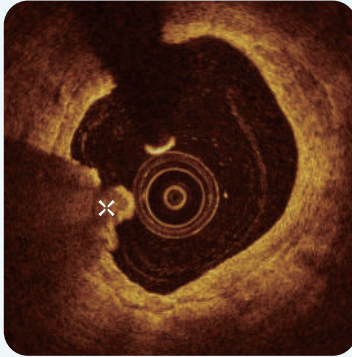
Cholesterol Crystals



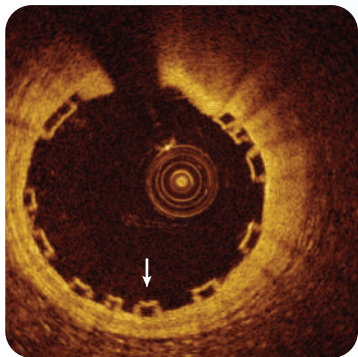
Plaque Rupture



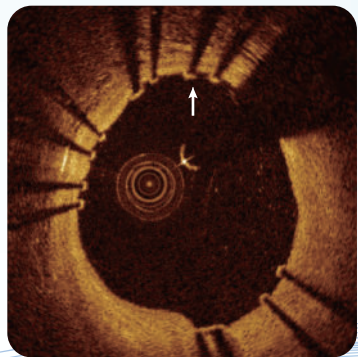
Plaque Erosion



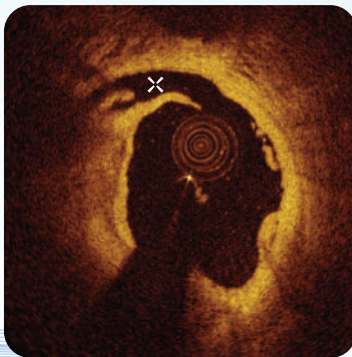
Calcified Nodule



BRS



DES



Dissection

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



Shenzhen Vivolight Medical Device & Technology Co.,Ltd.

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Community, Xin'an Street, Bao'an District, Shenzhen China
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.



Cornaris P80-E / P80

Multimodality Intravascular Imaging System



reddot winner 2021

Multimodality
Makes Reality

INNOVATIVE FEATURES FOR CLINICAL NEEDS



Full View Mode

Complete an ultra-long pullback of 80mm in 2 seconds



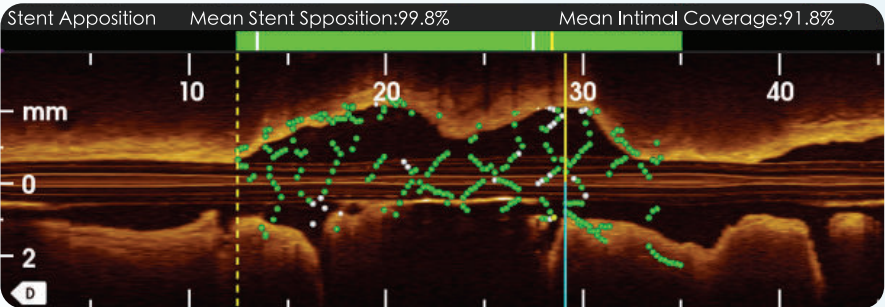
High Definition Mode

Complete an ultra HD scan of 55mm in 2.75 seconds



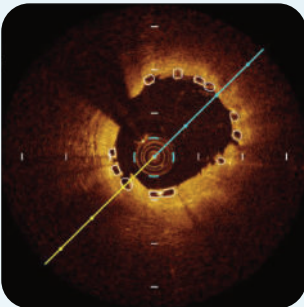
Super Fast Mode

Complete a super fast pullback length of 40mm in 1 second



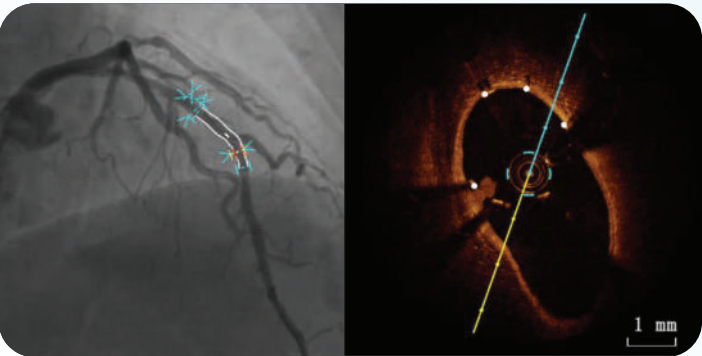
Auto-Calculation of Neointimal Coverage

Automatic assessment of neointimal coverage after PCI to provide guidance for DAPT(dual antiplatelet therapy)adjustment



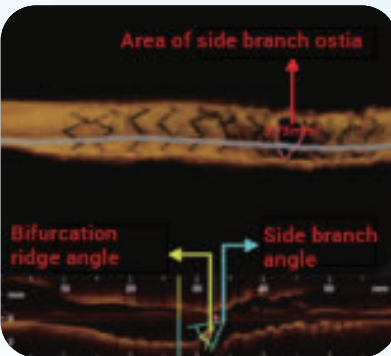
Intelligent Evaluation of BRS

Provide automatic evaluation for bioresorbable stents (BRS) after implantation



ACR (angiographic co-registration)

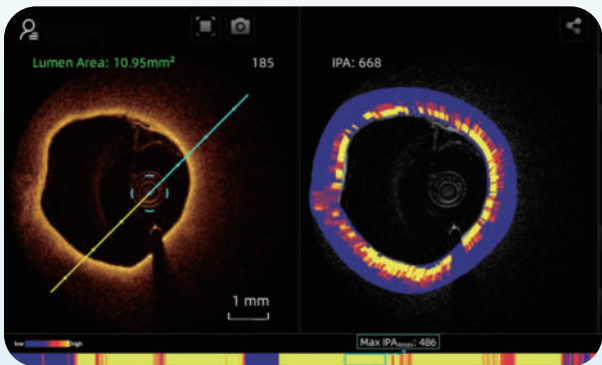
Shorten OCT learning curve, reducing procedure time & volume of contrast



Auto Quantitative Assessment for Bifurcation Lesions

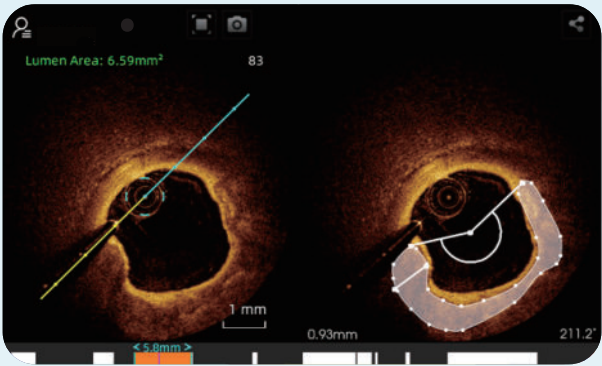
Predict risk of side branch occlusion, adopting optimal strategy for bifurcation lesions

MULTIMODALITY TECHNOLOGY



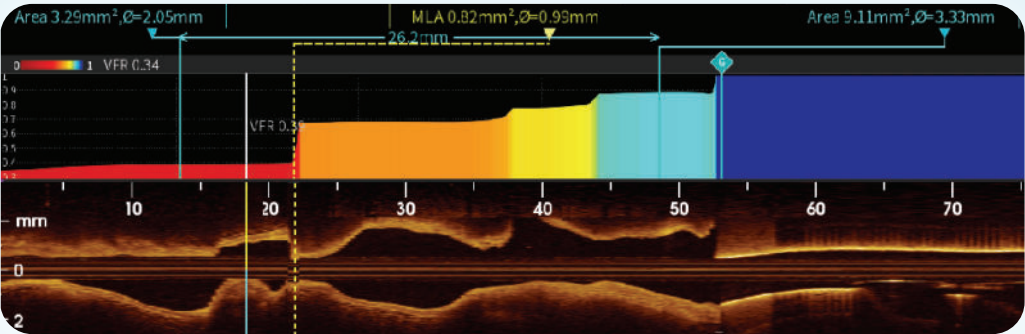
Index of Plaque Attenuation, IPA

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



Intelligent Calcium Assessment, ICA

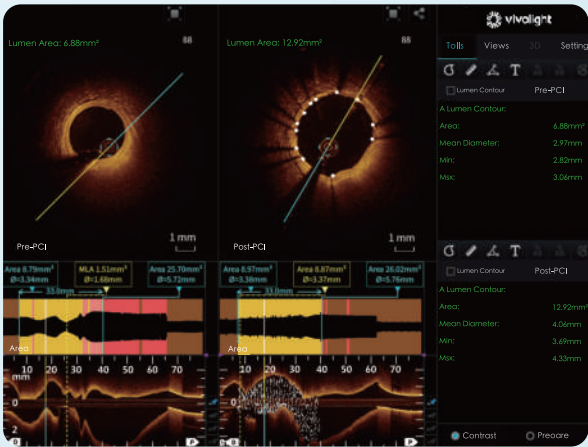
Auto calculation of calcium score & volume by AI algorithm, simplifying the treatment of calcified lesions in an easier & faster way



OCT-derived FFR, OCT-FFR

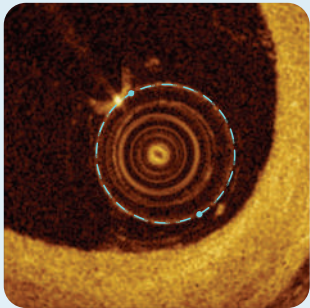
Functional assessment for coronary artery, no need for extra cost & time

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



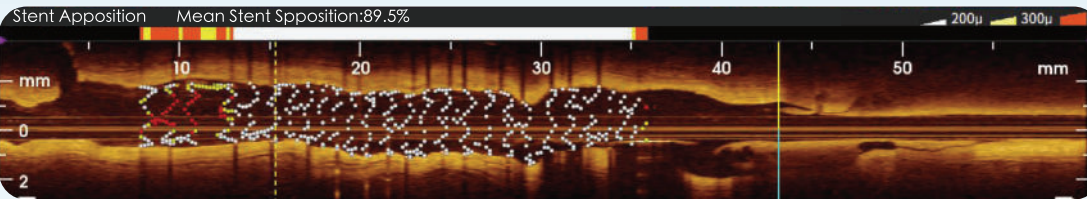
Continuous Calibration

Automatic calibration of each frame after pullback, saving procedure time & improving measurement accuracy



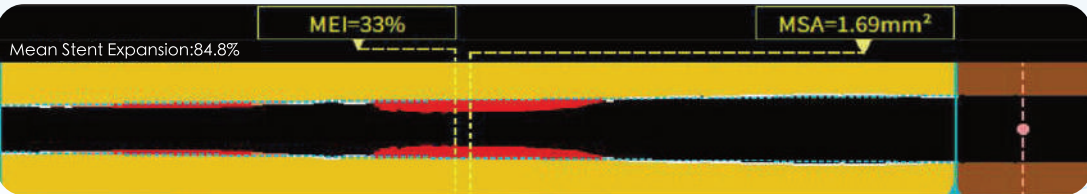
3D View

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