

IntraSight customer presentation

In recent years, our customers have asked for a system that is...



Fast to learn
& easy to use



Comprised of
the best
technology



Built on a
scalable
platform



Protected from
cybersecurity
threats



The image shows a Philips IntraSight interventional navigation system in a clinical setting. A large monitor is mounted on a stand, displaying a 3D anatomical model of a spine with a surgical path highlighted in orange. To the left, a C-arm X-ray unit is visible. The system is integrated into a modern operating room environment with white walls and medical equipment.

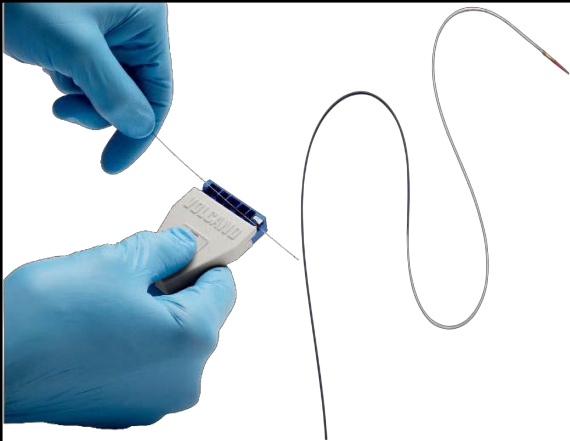
PHILIPS

IntraSight

Introducing Philips IntraSight

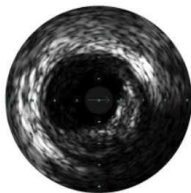
Interventional applications platform

Smart. Simple. Seamless.

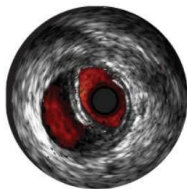


SMART

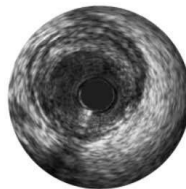
Delivering Philips' best-in-class imaging, physiology and co-registration tools on a foundational applications based platform



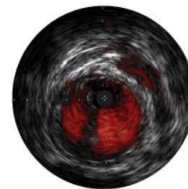
Digital IVUS
imaging



Peripheral
imaging



Rotational IVUS
imaging



ChromaFlo
imaging

SIMPLE

Modern, intuitive interface minimizes learning curves, increases workflow confidence, and provides an outstanding user experience.

SEAMLESS

Optimize lab performance with efficient data management and user controls, remote service diagnostics, and advanced cybersecurity protection.



All-new IntraSight features optimize performance



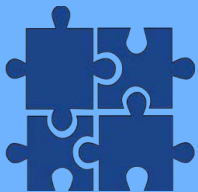
New touchscreenmodule (TSM)



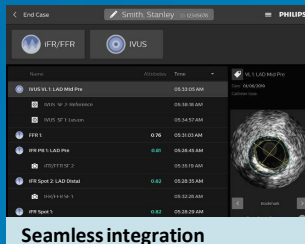
Robust cybersecurity & Windows 10



Philips Remote Service



Intuitive applications-based platform



Seamless integration



Demonstration mode

Complete control table side

0.84

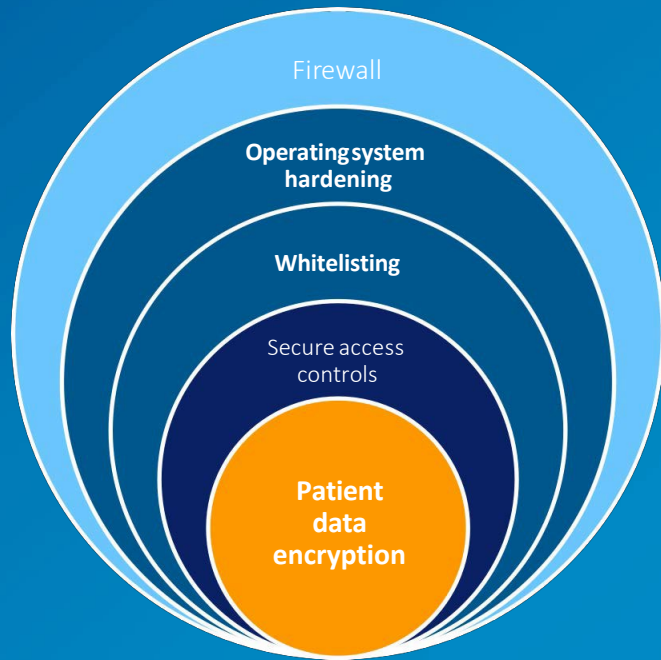
- Run an entire case
- Easily create measurements
- Never break scrub



The first IVUS & Physiology platform to run on Windows 10

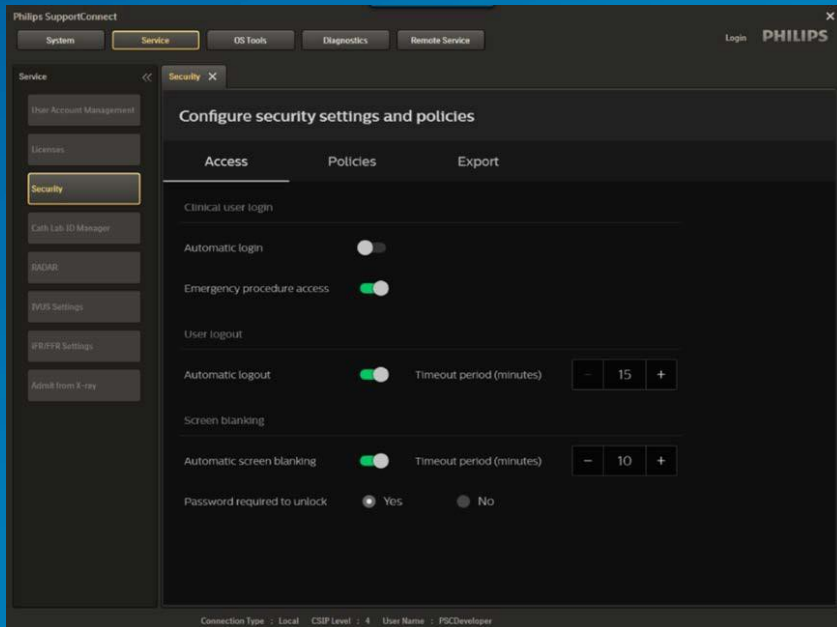
Unrivaled cybersecurity Microsoft Windows 10 protection

- Latest data encryption methods
- Secure Access
- Secure Data Management



Advanced cybersecurity with secure data management & access tools

Custom security levels to fit your particular organizational needs



Philips Remote Services

Enables the user to enjoy the benefits of:

- Keeping systems running smoothly
- Diagnosing problems remotely
- Improving uptime
- Accelerating field service response times

Minimize downtime, maximize first time right fix



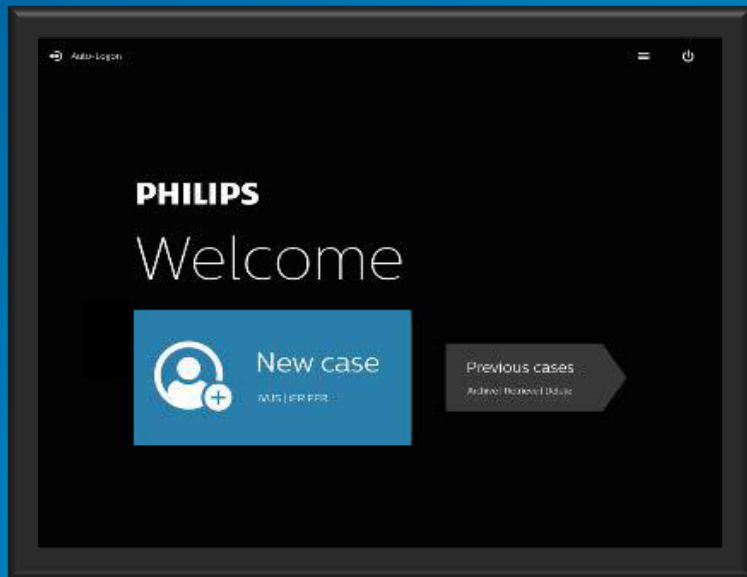
Foundational platform architecture for
current and future applications

Scalable software *and* hardware to meet the evolving needs of your lab



Intuitive redesign

- Modern & simple interface
- Fast to learn & easy to use.



Seamless integration of data across modalities



Import patient data **once** & share seamlessly across all modalities

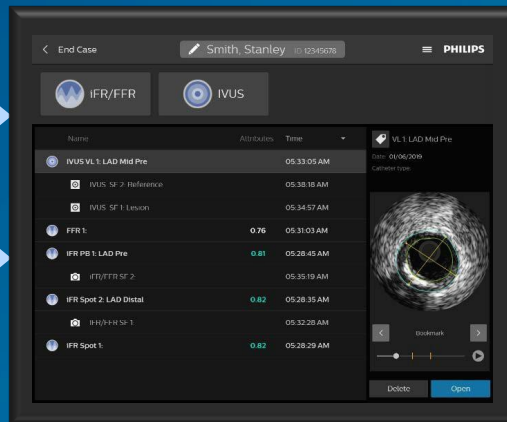


Azurion & Allura directly



DICOM worklist

A Single Case Menu for Both IVUS and Physiology



Flexibility in exporting case data



Saved frames

- Export of saved frames to **USB or printer***
- Anonymization for HIPAA compliant presentation



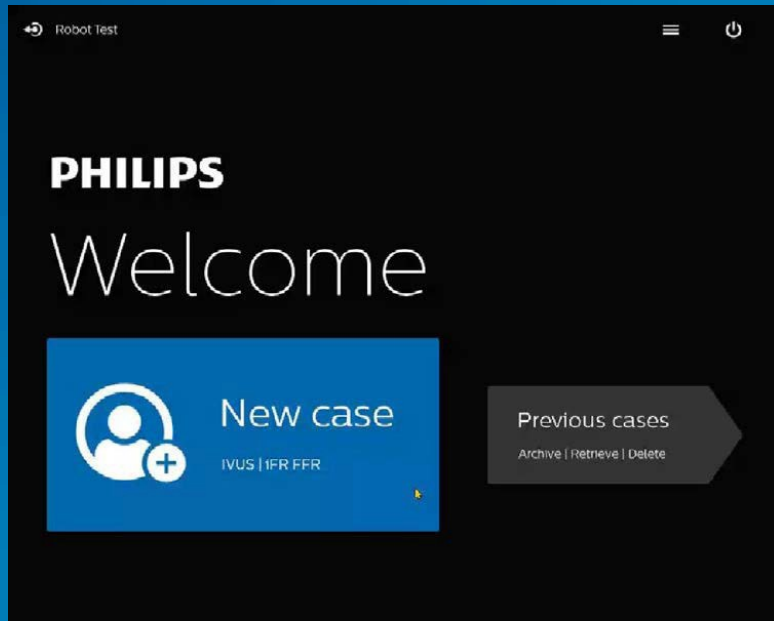
Archive Cases

- Archive DICOM cases to **PACS or DVD/BluRay**
- Archive multiple procedures at one time to the same destination

Seamless integration of patient data with Azurion and Allura Systems



- Import directly to IntraSight
- Increase efficiency
- Reduce errors



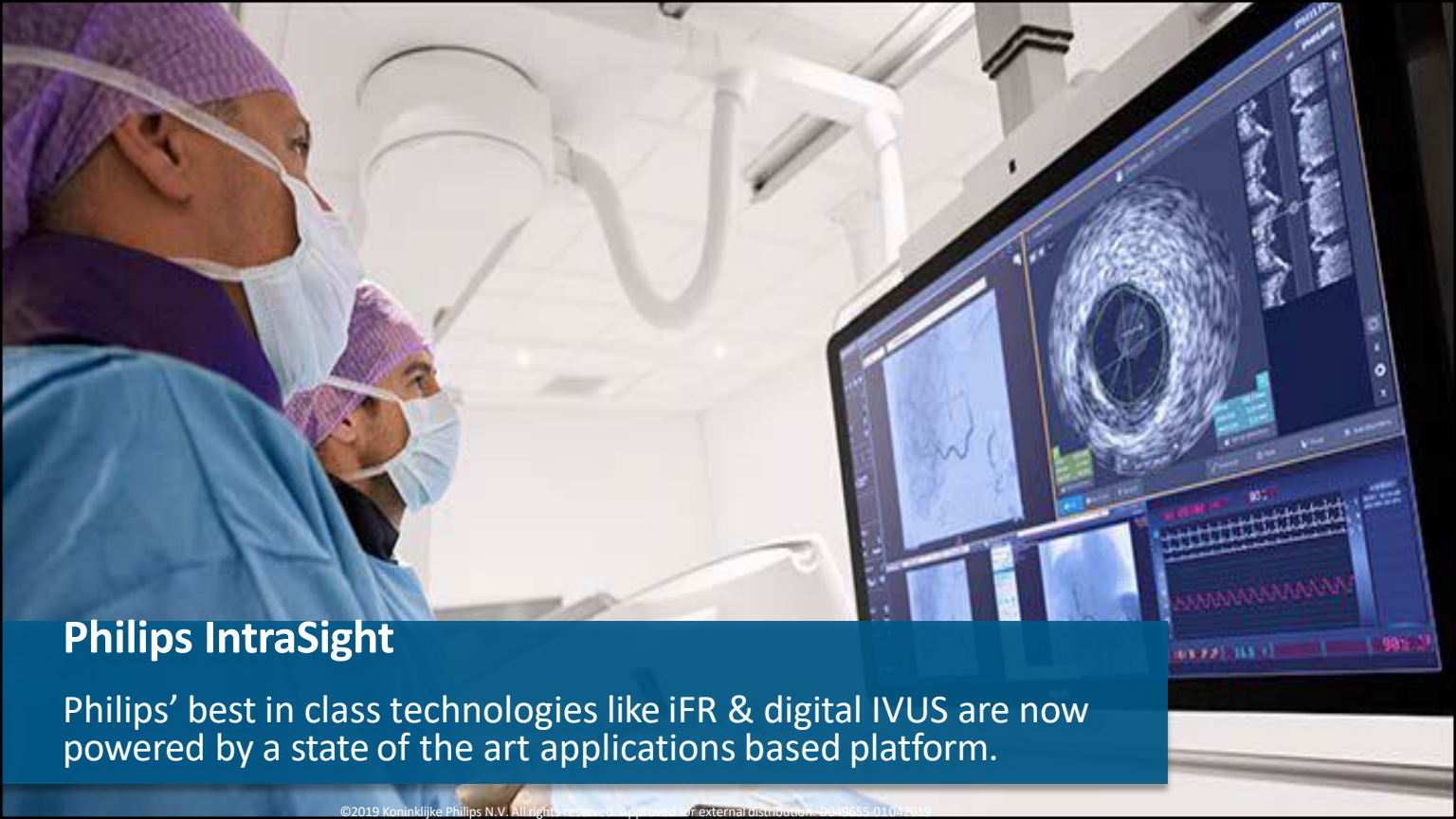
Optimize training with demo mode



- Full case simulation on demand
- Quickly onboard new users and maintain proficiency



Best in class technology



Philips IntraSight

Philips' best in class technologies like iFR & digital IVUS are now powered by a state of the art applications based platform.

Only IntraSight offers iFR, the only resting index...



AMERICAN
COLLEGE of
CARDIOLOGY



The Society for Cardiovascular
Angiography and Interventions



ESC

European Society
of Cardiology

Included in both the ACCAUC¹
and the NCDR²

Designated as “**Definitely
Beneficial**” by the SCAI³

Included in the ESC guidelines
as a Class IA recommendation⁴

1. Patel M, et al., ACC/AATS/AHA/ASE/ASNC/SCAI/SCCT/STS 2017 Appropriate Use Criteria for Coronary Revascularization in Patients with Stable Ischemic Heart Disease. *J Am Coll Cardiol.* 2017 May 2;69(17):2212-2241.

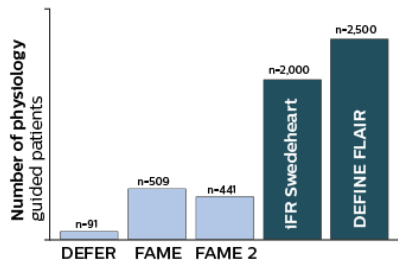
2. ACC CathPCI Hospital Registry. <https://www.ncdr.com/WebNCDR/cathpci/home/datacollection>.

3. Lofti A, et al. Focused update of expert consensus statement: Use of invasive assessments of coronary physiology and structure: A position statement of the society of cardiac angiography and interventions. *Catheter Cardiovasc Interv.* 2018;1-12.

4. 2018 ESC/EACTS Guidelines on myocardial revascularization: The task force on myocardial revascularization of the European society of cardiology (ESC) and European association for cardio-thoracic surgery (EACTS). *Eur Heart J.* 2018;00:1-96.

Proven outcomes.^{1,2} Superior value.^{1,3}

Proven outcomes



- Validated in more than 4,500 patients^{1,2}
- Consistent outcomes as with FFR
- 0.89 cut-point backed by data^{1,2,4}

Superior value

As compared to FFR



- \$896 cost savings per patient¹
- 10% reduction in procedure time¹
- 90% reduction in patient discomfort¹

1. Davies JE, et al., DEFINE-FLAIR: A Multi-Centre, Prospective, International, Randomized, Blinded Comparison of Clinical Outcomes and Cost Efficiencies of IFR and FFR Decision-Making for Physiological Guided Coronary Revascularization. New England Journal of Medicine, epub March 18, 2017

2. Gotberg M, et al., Instantaneous Wave-Free Ratio Versus Fractional Flow Reserve Guided Intervention (IFR-SWEDEHEART): A Multicenter, Prospective, Registry-Based Randomized Clinical Trial. New England Journal of Medicine, epub March 18, 2017 3. Patel M. "Cost-effectiveness of instantaneous wave-free Ratio (IFR) compared with Fractional Flow Reserve (FFR) to guide coronary revascularization decision-making." Late-breaking Clinical Trial presentation at ACC on March 10, 2018.

4. An IFR cut-point of 0.89 matches best with an FFR ischemic cut-point of 0.80 with a specificity of 87.8% and sensitivity of 73.0%. (From ADVISE II, and IFR Operator's Manual 505-0101.23)

DEFINE PCI results show an opportunity to improve PCI

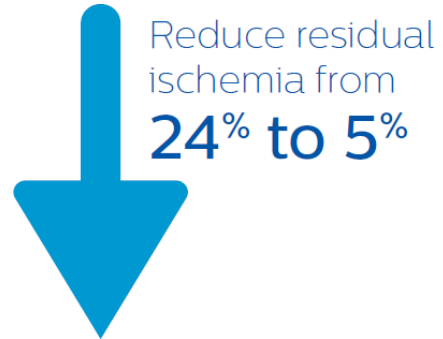
1 in 4 patients leave the cath lab with post-PCI residual ischemia (iFR < 0.90)

"Most patients with impaired post-PCI physiology had residual focal lesions related to or distant from the stented segment that potentially could be further optimized by additional PCI."

If all focal lesions with post-PCI iFR < 0.90 were successfully treated with additional PCI, the iFR was modeled to become non-significant

Only 23 of the 467 patients (4.9%) with qualified post-PCI iFR pullbacks would remain ischemic (iFR < 0.90)

Results imply a possibility to

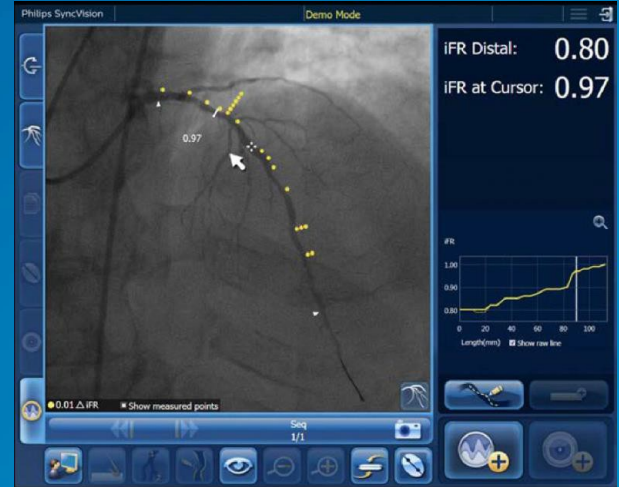


Optimize PCI with iFR co-registration



Easily identify and treat the regions causing ischemia with iFR co-registration.

Before a stent is even placed, use virtual stenting to ensure your treatment maximizes physiologic gain.

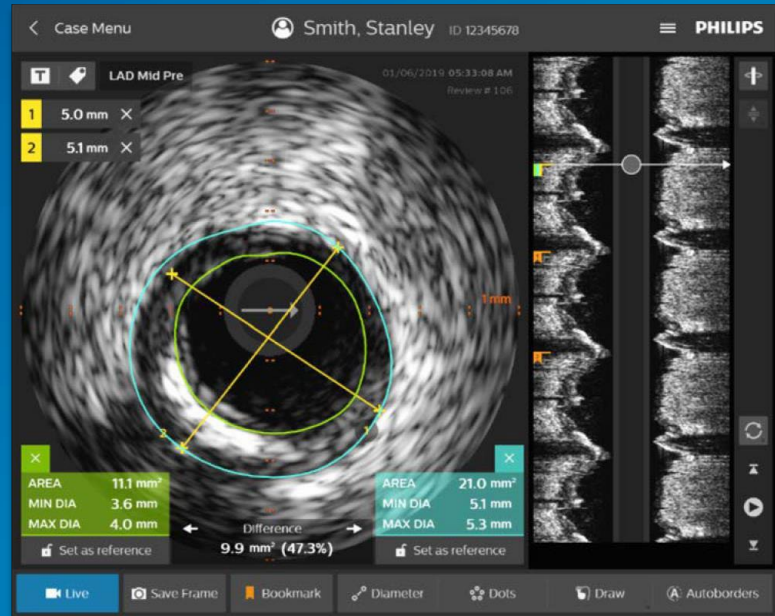


Only IntraSight offers plug-and-play IVUS



Ultimate ease of use with digital IVUS

Maximum choice with the broadest portfolio of IVUS catheters.



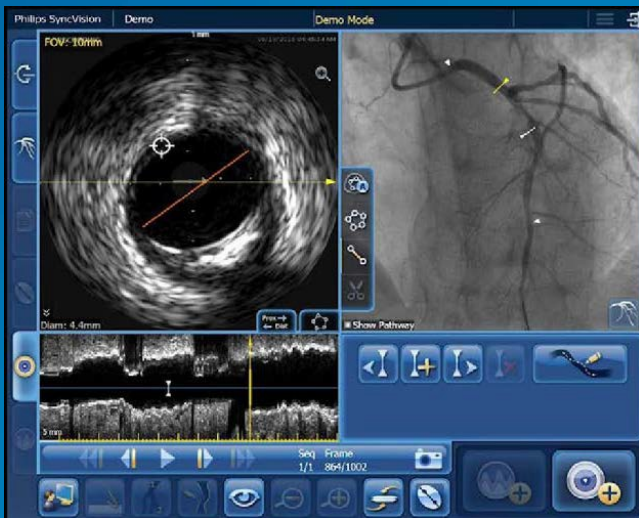
See clearly & treat optimally with IVUS co-registration



Map the 3D vessel anatomy to the angiogram to understand precisely where the disease begins and ends.

Appropriately size the stent diameter, length, and placement for improved outcomes.

Combine with iFR for Tri-registration and get the complete picture.



Also new within the IntraSight Ecosystem



SyncVision 4.2

- Compatible with IntraSight
- Significant usability upgrades
- Automatic co-registrations



New Automatic IVUS Co-Registration workflow



- IVUS co-registration is now hands-free like iFR
 - Same workflow for both modalities



pullback under fluoro



angiogram



co-registration complete

Compatible with the complete line of current & future Philips catheters and pressure wires



IVUS Catheters



Eagle Eye Platinum
0.014" Guide Wire Compatible



Eagle Eye Platinum ST
0.014" Guide Wire Compatible



PV 014
0.014" Guide Wire Compatible



PV 018
0.018" Guide Wire Compatible



PV 035
0.035" Guide Wire Compatible



Revolution
0.014" Guide Wire Compatible

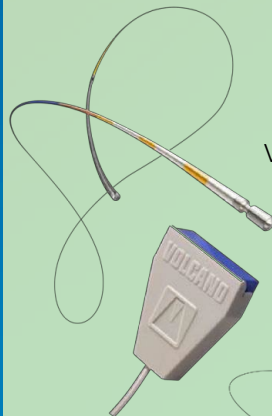


Refinity
0.014" Guide Wire Compatible



Pioneer Plus
0.035" Guide Wire Compatible

Pressure Wires



Verrata



Verrata Plus

IntraSight Configurations: 3, 5 and 7



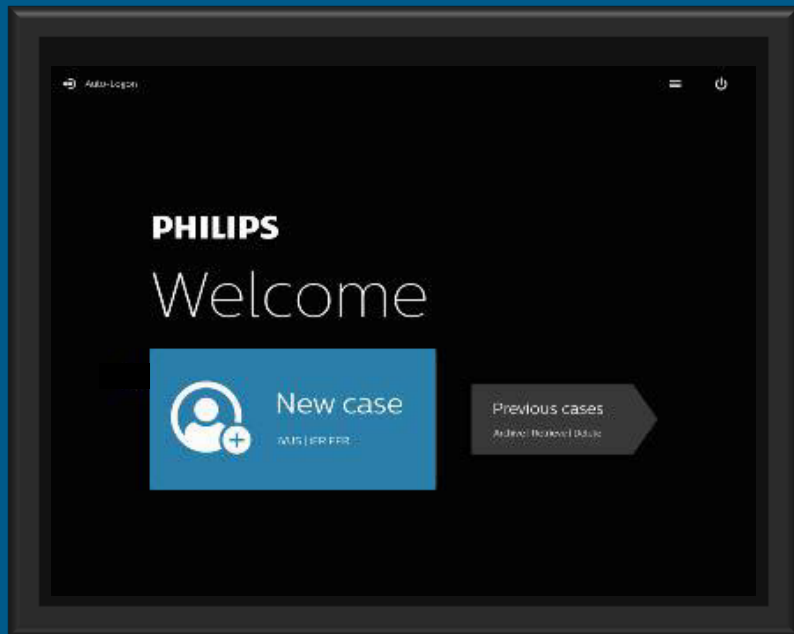
SYSTEM/FEATURE	IntraSight t 3	IntraSight t 5	IntraSight t 7
IntraSight interventional applications platform (Includes IntraSight CPU with Windows 10 OS, 19" monitor kit, mouse & keyboard, cabling kit)	✓	✓	✓
Imaging (IVUS) License (Includes Digital, Rotational, and ChromaFlo IVUS)	✓	✓	✓
Physiology License (Includes iFR Hyperemia Free Lesion Assessment Modality, FFR Modality)		✓	✓
Touch Screen Module (TSM)	✓	✓	✓
Philips Remote Services	✓	✓	✓
IVUS and iFR co-registration/tri-registration (Includes Syncvision CPU & v 4.2 software, monitor, joystick, mouse & keyboard, cabling kit)			✓
Device Detection			✓
Quantitative coronary analysis			✓
Vessel enhancement			✓

Appendix: Software “Buttonology”

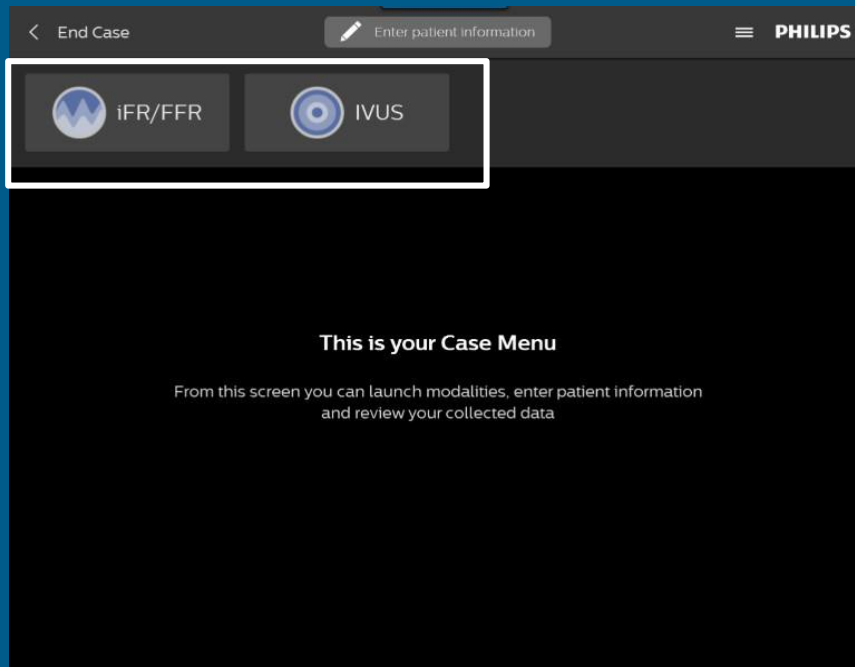
Welcome to IntraSight

Get started immediately and proceed through cases with a simple and intuitive interface.

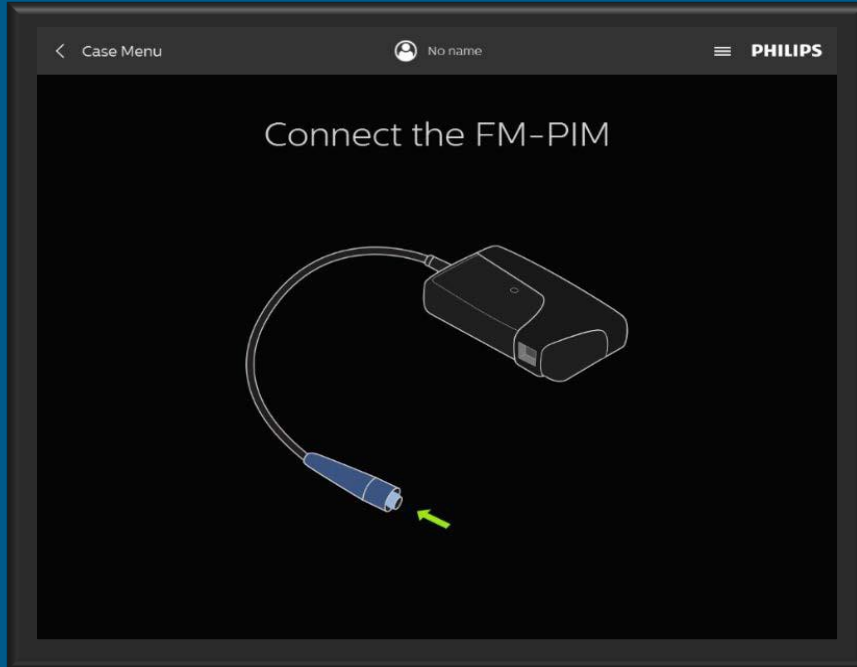
Right from the start, users are presented with a simple choice...either start a case, or access previous cases.



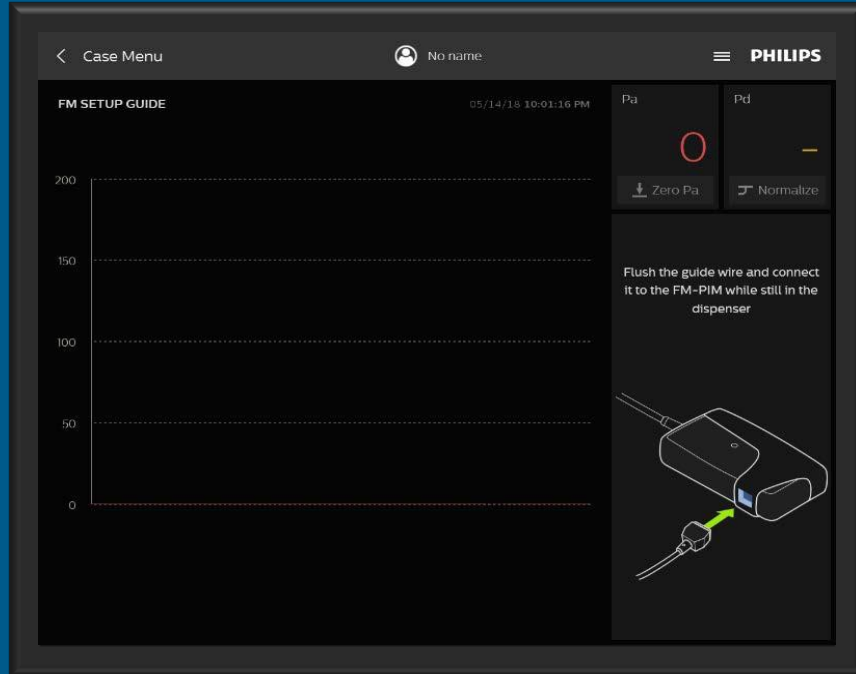
Shared Case Menu



Physiology measurements, in just a few clicks



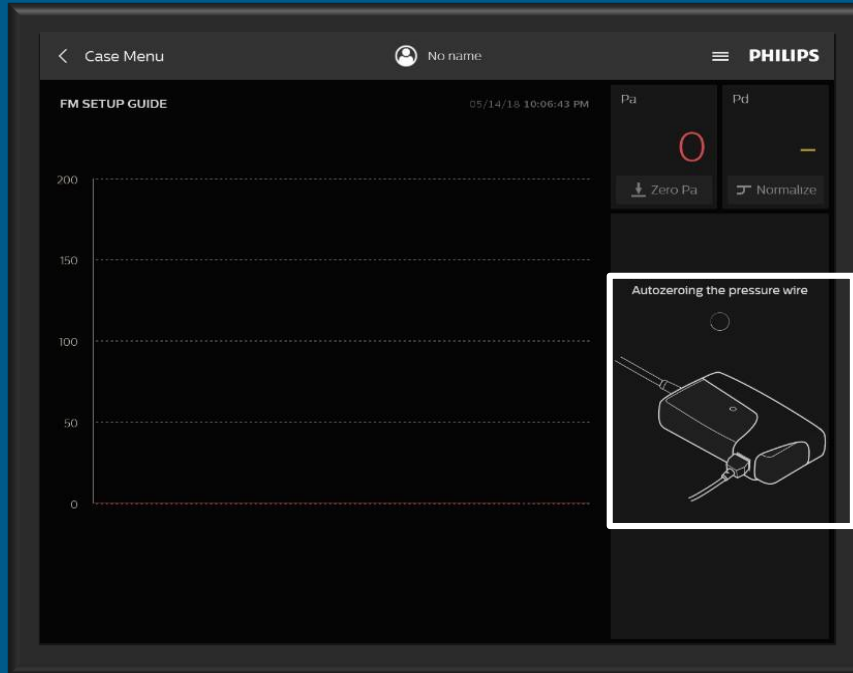
Physiology measurements, in just a few clicks



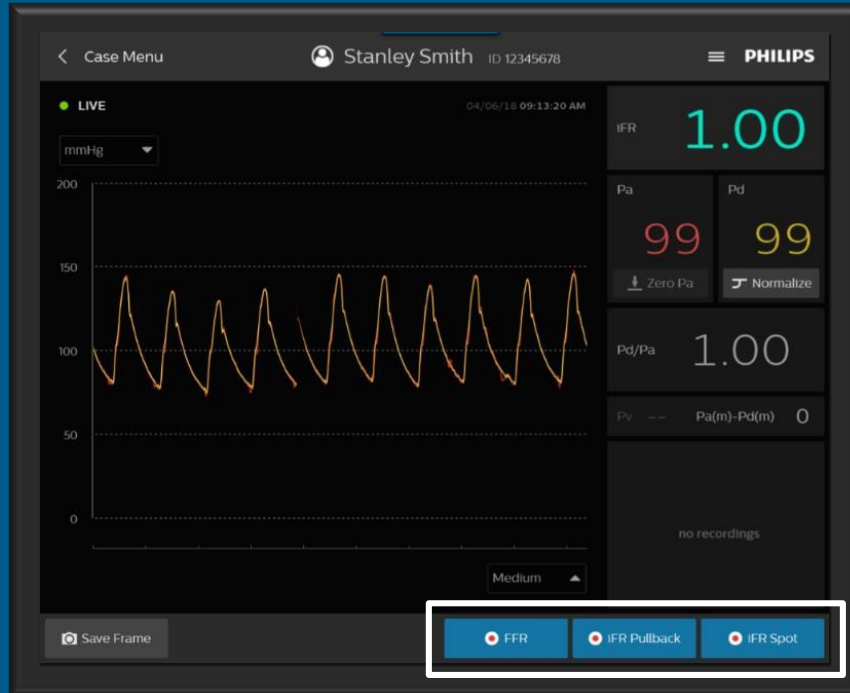
Physiology measurements, in just a few clicks



Physiology measurements, in just a few clicks

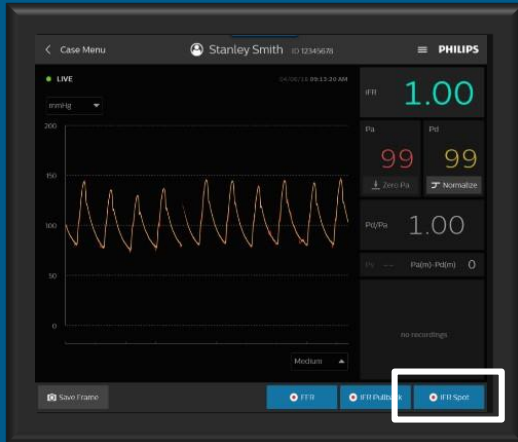


Physiology measurements, in just a few clicks



The blue buttons indicate the likely next step in the workflow

iFR Spot

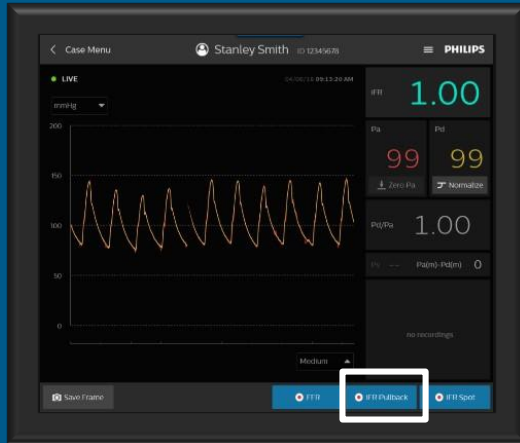


Select iFRSpot

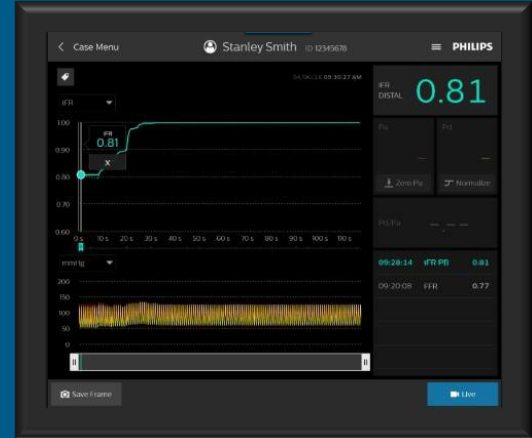


iFR Spot Results

iFR Pullback



Select iFR Pullback



iFR Pullback Results

FFR Measurement Workflow



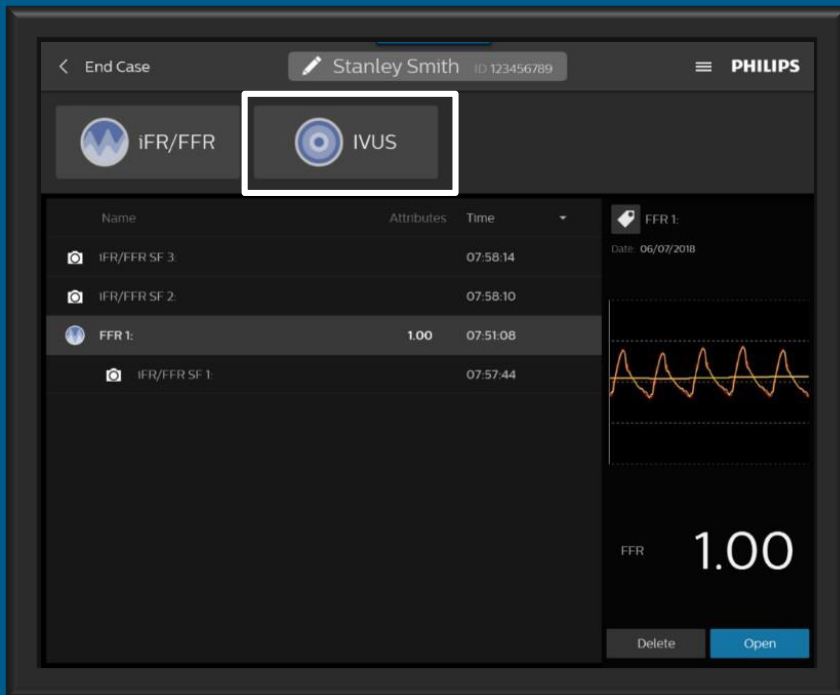
FFR Measurement Workflow



FFR Measurement Workflow



IVUS measurements, in just a few clicks

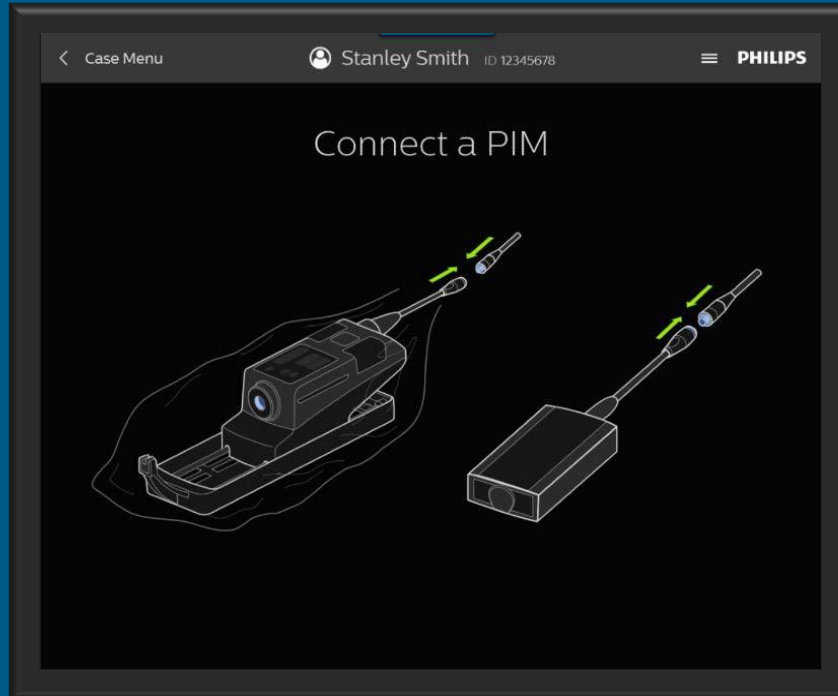


The screenshot displays the Philips IVUS software interface. At the top, the header shows 'End Case', 'Stanley Smith', and 'ID 123456789'. Below the header, there are two main buttons: 'iFR/FFR' and 'IVUS'. The 'IVUS' button is highlighted with a white rectangular box. Below these buttons is a table with columns 'Name', 'Attributes', and 'Time'. The table contains four rows of data. The third row, 'FFR 1:', is highlighted. To the right of the table, there is a section for 'FFR 1:' with a date '06/07/2018' and a waveform graph. Below the graph, the value 'FFR 1.00' is displayed. At the bottom right, there are 'Delete' and 'Open' buttons.

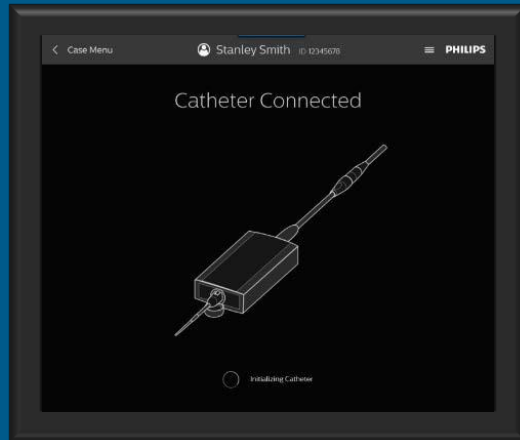
Name	Attributes	Time
iFR/FFR SF 3:		07:58:14
iFR/FFR SF 2:		07:58:10
FFR 1:	1.00	07:51:08
iFR/FFR SF 1:		07:57:44

FFR 1.00

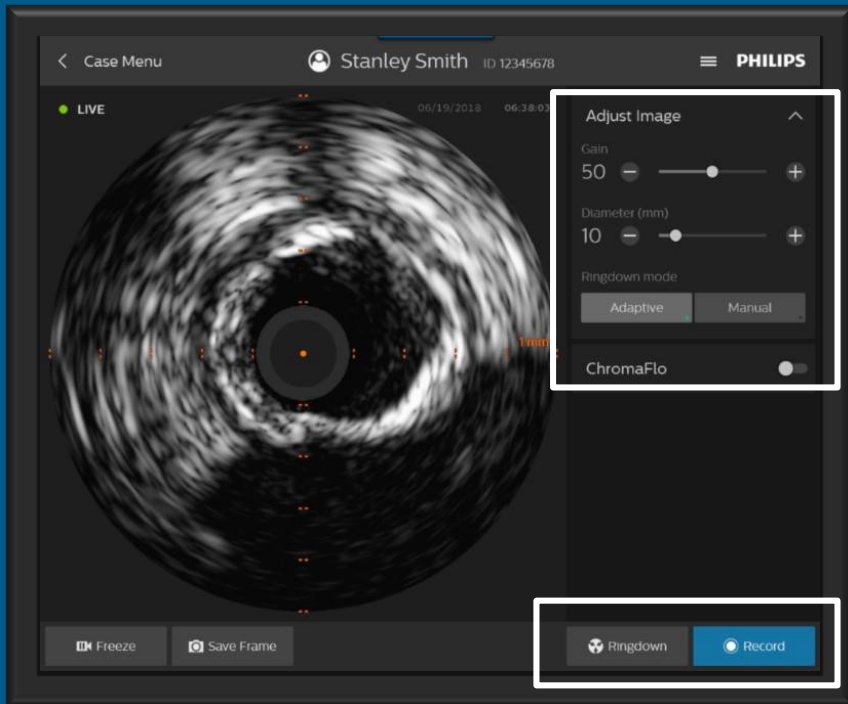
IVUS measurements, in just a few clicks



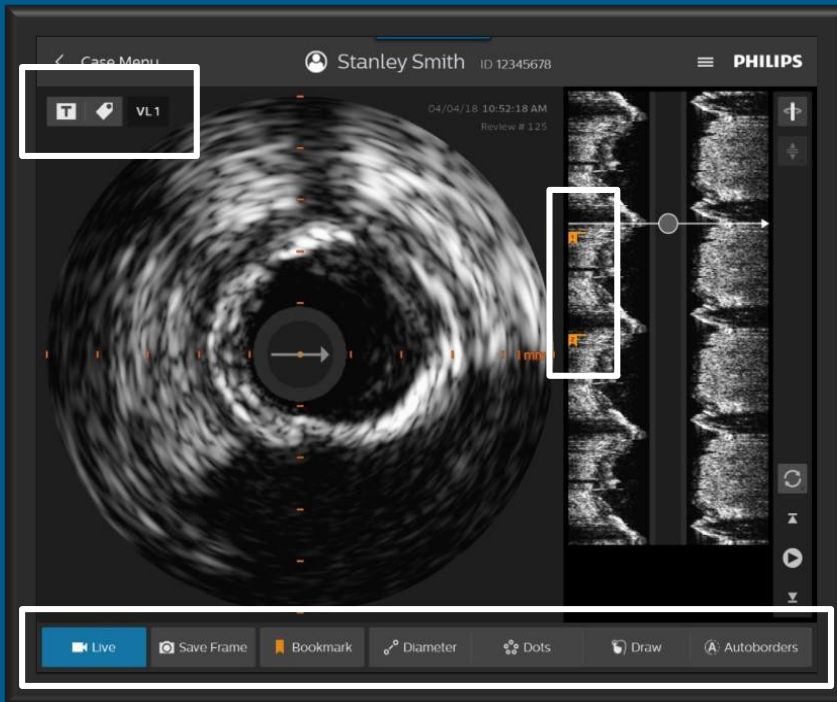
IVUS measurements, in just a few clicks



IVUS measurements, in just a few clicks



IVUS measurements, in just a few clicks



IVUS measurements, in just a few clicks



Case Menu Stanley Smith 012345678 PHILIPS

VL1 12/04/12 16:52:19 AM

1
2

Title this Video Loop

VL1 Iliac Right Post Lesion ✓

Peripheral Coronary

Vessel	Segment	Time	Description
Iliac	Left	Pre	Stent
SFA	Right	Post	Balloon
Renal	Proximal		MLA
Vena Cava	Mid		MLD
Iliac Confluence	Distal		Lesion
Hypogastric	Peripheral		Reference

MAX DIA 7.5 mm

Set as reference

Live Save Frame Bookmark Diameters Dots Draw Autoborders

Case Menu Stanley Smith 012345678 PHILIPS

VL1 12/04/12 16:52:19 AM

1
2

Add Annotation

Annotation: Iliac Right Post Lesion ✓

Peripheral Coronary

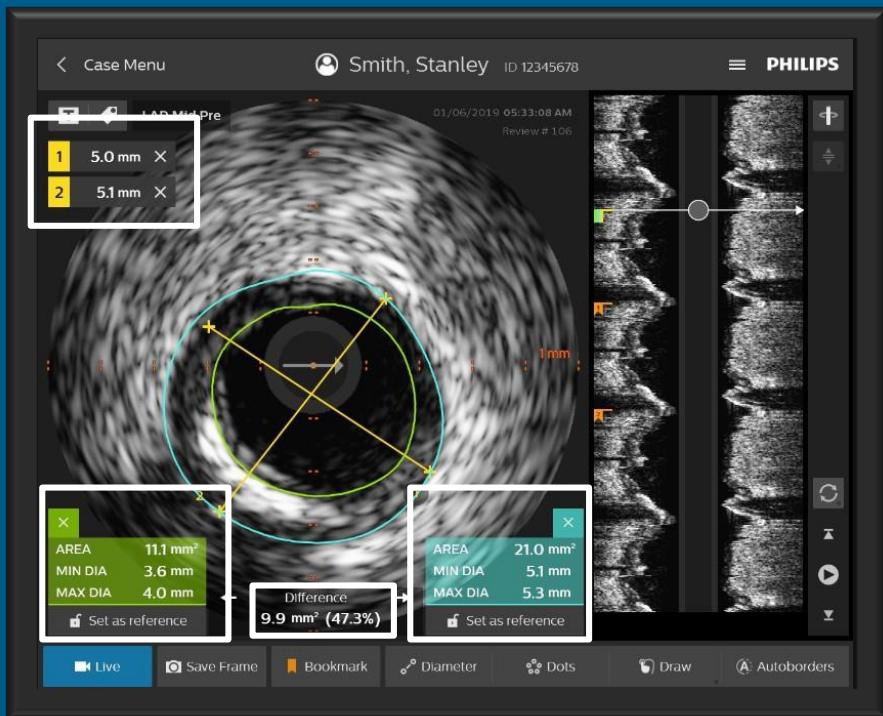
Vessel	Segment	Time	Description
Iliac	Left	Pre	Stent
SFA	Right	Post	Balloon
Renal	Proximal		MLA
Vena Cava	Mid		MLD
Iliac Confluence	Distal		Lesion
Hypogastric	Peripheral		Reference

MAX DIA 7.5 mm

Set as reference

Live Save Frame Bookmark Diameter Dots Draw Autoborders

IVUS measurements, in just a few clicks



Sample Populated Case Menu



Combined IVUS and Physiology case data all in one place

End Case

Smith, Stanley ID 12345678

PHILIPS

iFR/FFR

IVUS

Name	Attributes	Time
IVUS VL 1: LAD Mid Pre		05:33:05 AM
IVUS SF 2: Reference		05:38:18 AM
IVUS SF 1: Lesion		05:34:57 AM
FFR 1:	0.76	05:31:03 AM
iFR PB 1: LAD Pre	0.81	05:28:45 AM
iFR/FFR SF 2:		05:35:19 AM
iFR Spot 2: LAD Distal	0.82	05:28:35 AM
iFR/FFR SF 1:		05:32:28 AM
iFR Spot 1:	0.82	05:28:29 AM

VL 1: LAD Mid Pre

Date: 01/06/2019

Catheter type:

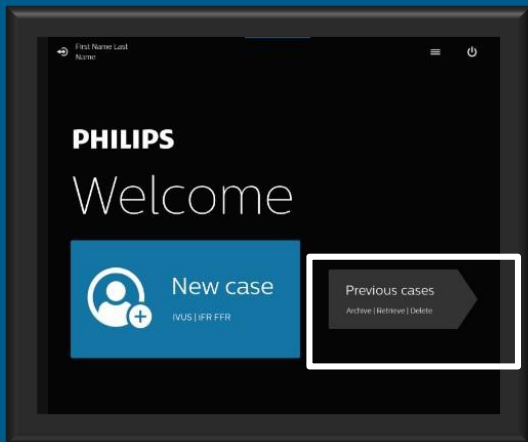
<

Bookmark</div>

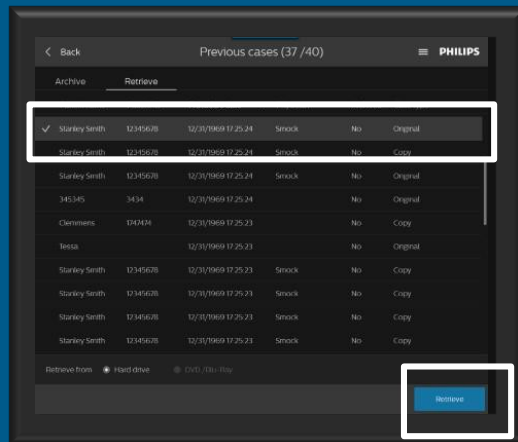
DeleteOpen

Video loop playback within the menu for easy recall

Case Retrieval



Select Retrieve from Welcome Screen



Select Case from list and then Retrieve

Archive & Retrieval



Previous cases (34 / 40)

Archive	Retrieve						
Patient name	Patient ID	Procedure date	Physician	Archived	Size	Case type	
<input type="checkbox"/>	Stanley Smith	12345678	06/19/2018 06:33:49	Smock	No	322 MB	Original
<input type="checkbox"/>	Stanley Smith	123456789	06/07/2018 07:50:31	Smock	No	35 MB	Copy
<input type="checkbox"/>	Stanley Smith	123456789	06/07/2018 07:50:31	Smock	No	35 MB	Original
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Copy	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Copy	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Original	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 11:05:35	No	243 MB	Original	
<input type="checkbox"/>	Stanley Smith	12345678	05/09/2018 13:18:11	No	146 MB	Original	
<input type="checkbox"/>	Stanley Smith	12345678	12/31/1969 17:25:24	No	75 MB	Original	
<input type="checkbox"/>	Stanley Smith	12345678	12/31/1969 17:25:24	No	343 MB	Original	

Storage: Default network server | Quality: High | De-identify: ☐

Archive menu options: DVD / Blu-ray, Default network server, Alternate network server

Multiple cases can be archived and deleted at one time to DVD/Blu-Ray or DICOM network

Previous cases (34 / 40)

Archive	Retrieve						
Patient name	Patient ID	Procedure date	Physician	Archived	Size	Case type	
<input checked="" type="checkbox"/>	Stanley Smith	12345678	06/19/2018 06:33:49	Smock	No	322 MB	Original
<input type="checkbox"/>	Stanley Smith	123456789	06/07/2018 07:50:31	Smock	No	35 MB	Copy
<input type="checkbox"/>	Stanley Smith	123456789	06/07/2018 07:50:31	Smock	No	35 MB	Original
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Copy	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Copy	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 12:19:51	No	3 MB	Original	
<input type="checkbox"/>	Stanley Smith	12345678	05/10/2018 11:05:35	Smock	No	243 MB	Original
<input type="checkbox"/>	Stanley Smith	12345678	05/09/2018 13:18:11	Smock	No	146 MB	Original
<input type="checkbox"/>	Stanley Smith	12345678	12/31/1969 17:25:24	Smock	No	75 MB	Original
<input type="checkbox"/>	Stanley Smith	12345678	12/31/1969 17:25:24	Smock	No	343 MB	Original

Storage: DVD / Blu-ray | Available: 4.4 GB of 4.7 GB | Quality: High | De-identify: ☐

Compression settings menu: High (restorable), High, Medium, Low

Multiple compression settings

Case Deletion

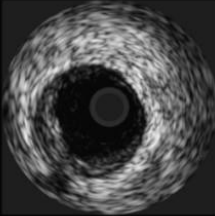


End Case Stanley Smith ID 12345678 RETRIEVE PHILIPS

iFR/FFR IVUS

Name	Attributes	Time
IVUS VL 1:		11:15:19
IVUS VL 1 > SF 3:		11:15:26
IVUS VL 1 > SF 2:		11:15:23
IVUS VL 1 > SF 1:		11:15:21

VL 1 > SF 3:
Date: 05/10/2018
Catheter type:



Delete Open

Select Delete