- 1 Gutiérrez Castillo D1, San Norberto García EM, Fidalgo Domingos L, Fuente Garrido R, Estévez Fernández I, Vaguero Puerta C.[Incidence of contrast induced nephropathy in patients who underwent an aortic endovascular repair. Rev Port Cir Cardiotorac Vasc. 2015 Apr-Jun;22(2):101-107.
- 2 Tacher V, et al (2013). Image Guidance for Endovascular Repair of Complex Aortic Aneurysms: Comparison of Twodimensional and Three-dimensional Angiography and Image Fusion, J Vasc Interv Radiol, 24(11), 1698-1706. Doi: 10.1016/j.jvir.2013.07.016.
- 3 IntelliSpace Portal can be used remotely by multiple users with compatible devices.
- 4 Sailer AM, et al (2014). CTA with fluoroscopy image fusion guidance in endovascular complex aortic aneurysm repair, Eur J Vasc Endovasc Surg. 2014 Apr;47(4):349-56. Doi: 10.1016/j. ejvs.2013.12.022.
- 5 Optional add-on on top of Multimodality Advanced Vessel Analysis

- 6 Results are specific to the institution where they were obtained and may not reflect the results achievable at other institutions.
- 7 Survey Society for Vascular Surgery 2014 (USA) of 303 survey participants.
- 8 Evaluated with clinical users in a simulated lab environment with a total of 17 teams consisting of a physician and a radiotech with different levels of experience
- 9 Wanhainen A, et al. European Society for Vascular Surgery (ESVS) 2019 Clinical Practice Guidelines on the Management of Abdominal Aorto-iliac Artery Aneurysms. European Journal of Vascular and Endovascular Surgery. (2018), https:// doi.org/10.1016/j.ejvs.2018.09.020.
- 10 Torngvist P, Dias N, Sonesson B, Kristmundsson T, Resch T. Intra-operative cone beam computed tomography can help avoid reinterventions and reduce CT follow up after infrarenal EVAR. Eur J Vasc Endovasc Surg. 2015;49:390e5.

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Vascular suite

Azurion

PHILIPS

Image guided therapy

PHILIPS

ular suite e outcome of vascular treatment Redefining

Defining the future of Image Guided Therapy

Innovative solutions across the health continuum

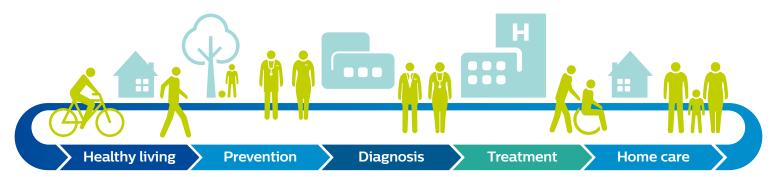
At Philips, we look beyond technology to the experiences of patients, providers and caregivers across the health continuum, from healthy living to prevention, diagnosis, treatment and home care. We unlock insights leading to meaningful innovations from hospital to home.

Our integrated solutions – packaged suites of systems, smart devices, software and services – combine broad and deep clinical expertise, technology and services, actionable data, consultative new business models and partnerships. Together, with our customers, we can transform how care is delivered and experienced, to deliver upon the Quadruple Aim: improved patient experience, better health outcomes, improved staff experience, and lower cost of care.

At Philips Image Guided Therapy, we have played a pioneering role in image-guided minimally invasive therapy for cardiovascular disease since the inception of the field back in the 1950s, thanks to our expertise in X-ray imaging systems. We aim to both improve existing procedures and introduce new procedures so that more patients can benefit from image-guided therapy. We also develop new business models to cater for new care settings, such as ambulatory surgery centers and office-based labs, and drive improved lab performance. Today our clinical partners benefit from complete procedural solutions to treat a wide range of diseases – from cardiovascular disease to stroke, cancer, and spine conditions.

procedures





Clinical demands are getting more specific. So are we.

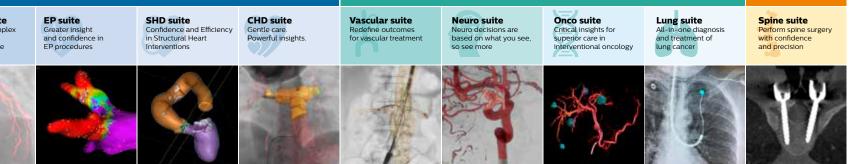
During an interventional procedure you are focused on making the best decisions you can for each patient. Each patient and each disease has very specific challenges, complexities, and needs. As the number of procedures and patients goes up, you can see the need for better forms of image guidance and interventional devices for effective treatment and decision making. At the same time, optimized workflows are key to improving efficiency. That's why we created

clinical suites; a flexible portfolio of integrated technologies, devices and services for a broad range of interventional procedures.

Each of our clinical suites offers specific image guided therapy solutions to provide more choice and flexibility for exceptional care. So you can be confident in your performance and in the fact your patients are receiving exceptional care. Together we aim to create the future of image guided therapy.

Introducing Clinical Suites

Helping to bring across our comprehensive clinical propositions



Key benefits

- Making therapy simpler, more informative, and less invasive to promote confident decisions
- Supports standardization and consistency of vascular lab workflow to save time, money and reduce variability
- Excellent visibility at ultra low X-ray dose levels for a comprehensive range of clinical procedures with ClarityIQ technology.



As a physician, you are confronted with an increasingly demanding and diverse landscape – inside or outside your treatment room.

To treat the growing epidemic of peripheral artery diseases, we see a clear need for standardization of endovascular treatment strategies. Real-time guidance is imperative during the procedure in selecting the correct vessel, device and pathway, but also to precisely position devices to improve clinical outcomes and expand adoption of these interventions. For aortic disease, radiation exposure and contrast medium are a concern for elderly and otherwise frail patients. These procedures are lengthy and often unpredictable. Shorter procedures could reduce contrast medium and radiation exposure

Vascular suite Redefining the outcome of vascular treatment

The Vascular suite has been designed to support diverse peripheral, aortic, visceral, arterial, and venous procedures. From restoring vessel patency and implanting a device to treating an aneurysm or occlusion – Vascular suite enables clinicians to deliver fast, effective. and simplified procedures.

Based upon the Azurion platform, Vascular suite supports increased confidence in decision-making and deployment of devices through dedicated interventional tools and a rich portfolio of relevant devices.

The tools provide remarkably detailed insights into anatomy and pathology during each phase of procedures as you decide, guide, treat, and confirm. Workflow innovations can support interventional teams in dramatically reducing overall procedure time and our technology enhances staff and patient safety by managing radiation and contrast dose efficiently.

With the Vascular suite, you have the innovations at hand that empower you to redefine outcomes for your vascular patients.

Peripheral artery disease

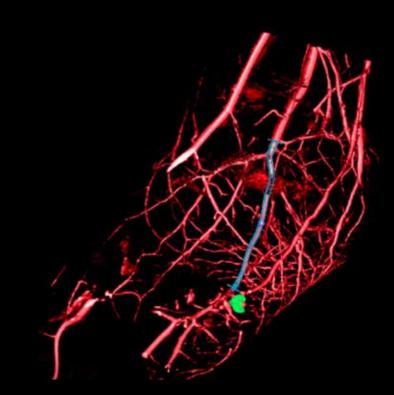
Focusing on standardization to redefine PAD outcomes

The number of people living with diabetes continues to climb,¹ bringing peripheral artery disease (PAD) and critical limb ischemia (CLI) interventions to epidemic levels. Today patients with PAD and CLI have more options, including endovascular interventions and below the knee procedures. This is in part due to new devices that are designed to make treatment more durable and facilitate retreatment – aspiring to leave nothing behind. To standardize this fast evolving landscape, the medical community and manufacturers are working towards the creation of evidence to answer clinical dilemma's and define novel guidelines. Philips participates actively to further standardization of CLI procedures from both the imaging and device perspectives.

Our Vascular suite provides workflow options, dedicated interventional tools, and relevant vascular devices to support high levels of standardization and redefine outcomes for your PAD patients. They support each step of your procedure – as you decide, guide, treat, and confirm.

Treat

Guide



ClarityIQ technology Excellent visibility at ultra low X-ray dose levels for a comprehensive range of clinical procedures with ClarityIQ technology.



With the ever growing number of PAD patients, Azurion offers a number of workflow innovations designed to help vascular teams work efficiently and consistently, while maintaining a single-minded focus on the patient and keeping radiation dose low during peripheral vascular interventions:

Decide

Workflow options that optimize lab performance and dose management

TSM and **FlexVision Pro**

CT patient information from external source (e.g. PACS database) readily at hand and controllable at table side

Zero Dos

Positioning

Helps you manage dose

by positioning the system or

table on Last Image Hold so

you can prepare your next

run without using

fluoroscopy.

TSM and FlexVision Pro

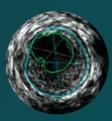
Gives you full control of all system inputs including intravascular ultrasound (IVUS) and CX50 vascular ultrasound at tableside to save time and unnecessary walking in and out of the sterile area.

Roadmap Pro

SmartMask provides a continuous real-time visualization of the leg as you navigate to the region of interest, making efficient use of iodinated contrast media and radiation dose.

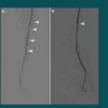
Peripheral artery disease

Effective guidance in treatment and decision making



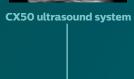
IVUS

Guide





Live X-Ray guidance



Decide

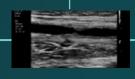




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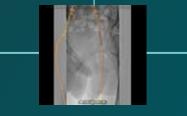
Live X-ray guidance Live X-ray guidance with ClarityIQ technology creates high definition images of vessels with exceptional vascular detail to support precise treatment strategies. navigation, and follow-up.

Intravascular ultrasound (IVUS) Identifying the correct vessel to treat is the goal during treatment planning. IVUS cross-sectional images compliment angiography and helps clinicians assess the presence and extent of disease, plaque geometry, and morphology.



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CX50 ultrasound system Premium image quality Ultrasound at table side to support determination of device location in relation to vessel structure.



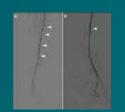
3D image guidance

3D Image guidance provides an intuitive and continuous 3D roadmap based on existing CTA and MRA dataset or a 3D rotational angiography volume acquired in the angio suite overlayed on a live X-ray image. It provides insight into the exact position of the guide wire and catheter within the vessel during navigation. It offers a high level of precision thanks to real-time compensation for gantry, table, and small patient movements.

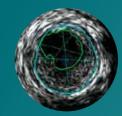


Philips IGT Devices During treatment, you have to decide if it is safe to treat the lesion, and size and type of device should be used, and where to place the stent for best long term patency. Philips IGT Devices provides a portfolio of peripheral device solutions that allow you to personalize treatment decisions for each patient.





Live X-ray guidance



IVUS

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Confirm Treat



See clearly, treat optimally

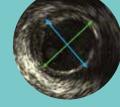
Philips offers advanced visualization and specialized tailor treatments in even the most complex patients.

Choosing the best path forwards starts by seeing clearly. IVUS provides the visualization guidance essential for assessing clinical challenges quickly and precisely to guide treatment decisions.

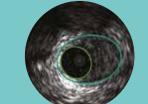
The Philips portfolio of therapeutic devices offers the versatility needed to treat the majority of PAD cases, including complex lesions.

See clearly critical lesion characteristics

Vessel size

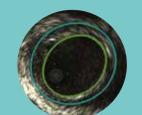


Plaque morphology



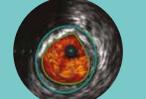
Understand plague type and severity to help guide proper

Plaque geometry



Visualize plague burden





Treat optimally with versatility

Vessel prep







Cross your toughest lesions

Quick-Cross catheter

Pioneer Plus catheter

Turbo-Elite laser atherectomy



Phoenix atherectomy



Turbo-Power laser atherectomy



AngioSculpt scoring balloon

Prepare multiple lesion morphologies, locations and characteristics, including CTOs, ISR, thrombus, calcium, neo-intimal hyperplasia, mixed morphologies and ostial lesions

Definitive treatment



Stellarex drug-coated balloon

Treat lesions without leaving metal behind



Aortic disease

Targeting efficiency to redefine aortic outcomes

Endovascular treatments of aortic diseases are becoming longer and addressing more complex anatomy. Radiation and contrast medium usage are a concern, specifically for elderly and health-impaired patients.

Contrast-induced nephropathy (CIN), in particular, has been associated with an increase in complications and prolonged hospital stay.¹ At the same time, modular stents are replacing expensive tailored stents to increase availability and cost-effectiveness of suitable grafts. Integrated imaging modalities are driving higher precision in treatment planning, guidance, and follow-up. In this dynamic area, there is a clear need for imaging technologies which improve accuracy, efficiency, and patient safety. Our Vascular suite offers premium workflow improvements and dedicated pre-procedural and interventional tools to improve procedural efficiency and redefine outcomes for your patients with aortic disease.

Decide

Guide

Treat

With Azurion a breakthrough in workflow improvement has been realized, resulting in proven efficiency.

Workflow options that optimize lab performance and dose management

Flexible workspots

Allow team members to access all information from any workspot to save time, improve consistency, and decrease delays.

ClarityIQ technology

Excellent visibility at ultra low X-ray dose levels for a comprehensive range of clinical procedures with ClarityIQ technology.

Zero Dose Positioning

Helps you manage dose by positioning the system or table on Last Image Hold so you can prepare your next run without using fluoroscopy.

TSM and **FlexVision Pro**

CT patient information from external source (e.g. PACS database) readily at hand and controllable at table side

Hybrid OR solution featuring FlexArm

This innovative surgical environment offers unmatched procedural flexibility and ease of use, while meeting the highest standards for surgical infection control and hygiene.

FlexVision Pro

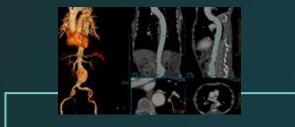
Gives you full control of all system inputs including intravascular ultrasound (IVUS) and CX50 vascular ultrasound at tableside to save time and unnecessary walking in and out of the sterile area.

ProcedureCards

Select the EVAR ProcedureCard and the system is set-up the way you want. Hospital specific protocols and/or checklists can be added to ProcedureCards and displayed on monitors.

Aortic disease

Superior care in Aortic procedures



Multimodality Advanced Vessel Analysis Visualization, assessment and quantification of vessels in CTA and MRA data

A

Live X-Ray guidance

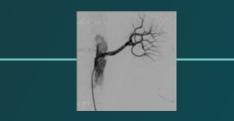
Decide

Guide

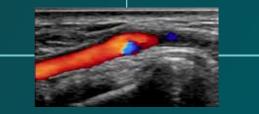


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VesselNavigator Pre-operative CTA or MRA imported into VesselNavigator

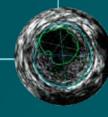


Live X-ray guidance with ClarityIQ technology Each patient has unique requirements when it comes to choosing the right device. 2D DSA with ClarityIQ technology generates high definition images of vessels with outstanding vascular detail to support precise treatment strategies, navigation, and follow-up.



CX50 ultrasound system

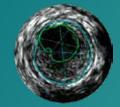
A realistic visualization of vasculature is required to effectively access the arterial system. Our integrated CX50 ultrasound system provides premium quality images of the radial artery and veins to support radial access interventions.



Intravascular ultrasound (IVUS) IVUS cross-sectional images compliment angiography and helps clinicians assess the presence and extent of disease, plaque geometry, and morphology.

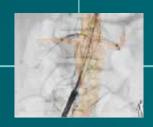


Live X-Ray guidance



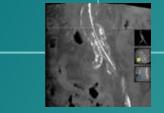
IVUS

--- Treat ----- Confirm



VesselNavigator

The goal during aortic procedures is to place endovascular stentgrafts, quickly and precisely, while using minimal radiation and contrast. VesselNavigator provides an intuitive and continuous 3D roadmap to guide you through vasculature during the entire procedure. This reduces the need for a contrast enhanced run to create a conventional roadmap. One study showed an average of 170 ml contrast reduction during endovascular repair of complex aortic aneurysms with the use of VesselNavigator CTA image fusion guidance.² A reduction in average procedure time from 6.3 to 5.2 (1.1) hours during FEVAR/ BEVAR with VesselNavigator CTA image fusion guidance has been shown in a recent study.³



SmartCT Soft Tissue

With aortic repair, the detection and management of endoleaks is important while the patient is still on the table. SmartCT Soft Tissue can detect post-EVAR complications, intraoperatively, that cannot be detected on DSA. This allows for immediate intraoperative correction of detected complications.

Multimodality Advanced Vessel Analysis (AVA)

For comprehensive vascular analysis

Multi Modality Advanced Vessel Analysis (AVA)

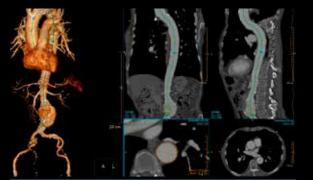
AVA is intended for visualization, assessment and guantification of vessels in CTA and MRA data with a unified workflow for both modalities. It provides both automatic and manual bone removal and vessels segmentation including extraction of vessel centerlines, lumen contours and vessel contours.

MM AVA offers inspection views for selected vessels centerlines and local analysis. It allows creating, capturing, and reviewing of basic user selected endovascular measurements (and calculations when applicable), as well as predefined measurements sets and measurements correlations

Pre-procedural Stent Planning

Stent Planning offers multiple preset and user-defined options to generate predefined stent and access route protocols. The application allows you to export customized results to external reporting systems.

MM AVA as part of the IntelliSpace Portal offers Planning Anywhere capability.³ It brings advanced diagnostic imaging closer to the Angio suite by integrating with Azurion, to automatically launch analysis results directly into the interventional suite.



user is always in control to modify the automatic results



monts in AVA

Key benefits

- Visualization, assessment and quantification of vessels in CTA and MRA
- Automatic bone removal, vessels extraction and labeling
- Automatic lumen and centerline calculation
- Template-based measurements tailored to various pathologies and Stent planning
- Enhanced patient centric workflow, allows the communication with the Azurion interventional suite

VesselNavigator

VesselNavigator's roadmap covers the entire MR or CT volume, so you can navigate through the entire vessel without needing to make contrast runs at each step of the procedure. A study of 23 patients⁴ has shown to reduce average contrast medium usage from 235 to 65 ml (72%) during endovascular repair of complex aortic aneurysms with the use of Philips CTA image fusion guidance. No intraprocedural contrast agent injection was required to create a roadmap. Besides reducing contrast, VesselNavigator can reduce procedure time significantly. A study of 62 patients⁵ showed an average reduction in procedure time from 6.3 to 5.2 hours during FEVAR/BEVAR procedures with the use of Philips CTA image fusion guidance.

Reduce your need for contrast medium

VesselNavigator allows image fusion of existing CTA or MRA vascular anatomical information with X-ray, to serve as a live 3D roadmap

VesselNavigator real-time navigation

VesselNavigator can be used for any type of endovascular procedure. It is especially beneficial for complex and tortuous vasculature where it is challenging to accurately navigate and place stents or for procedures where contrast use should be minimized.

Contrast medium usage and procedure efficiency

"After one month of usage, we have passed the point where the clinical value of VesselNavigator outweighs the investment we made."

Prof. Dr. F. Vermassen, University Hospital Ghent

VesselNavigator provides three dimensional views of vasculature that allow you to easily define the right projection angle² for optimal navigation and stent placement. With the use of ring markers you can easily indicate the ostia and landing zones.



69Y/M Endovascular aorti aneurysm repair Contrast medium: 36 ml Air Kerma: 410 mGv Fluoro time: 11 min Procedure time: 45 mir Courtesy of Prof. Dr. M. Schermerhori

70Y/M, Endovascular repair of iuxtarenal abdominal aortic aneurvsm Contrast medium: 115 ml Air Kerma: 2165 mGv Fluoro time: 57 min Procedure time: 2:14 hours Courtesy of Prof. Dr. M. Schermerhorn

71Y/M lower left peripheral in stent restenosis Contrast medium: 40 ml Air Kerma: 86 mGv Fluoro time: 7 min Procedure time: 1:30 hours Courtesy of Prof. Dr. F. Vermassen

Key benefits

- Supports navigation through complex vessel structures, enhancing clinical outcomes
- A pre-acquired CTA or MRA reduces the need for contrast enhanced runs
- CTA Image Fusion Guidance may lead to shorter procedure times
- Intuitive and easy to use with step-by-step workflow guidance

Less movements with full tableside control

Azurion's advanced capabilities like FlexVision Pro and TSM Pro allow full tableside control. This reduces the necessity for team members to leave the sterile exam room area during procedures. In the first Azurion lab performance study the medical team reduced their movements by 29%.⁶



With Azurion, **performance** and superior care become one

Reduction of procedure time by 17% with Philips Azurion in independently verified study with more than 770 procedures⁶

The Interventional Vascular Department of St. Antonius Hospital, a leading interventional institution, has faced the challenge of increasingly complex procedures, unpredictable demand, and growing patient waiting time. When the time came to replace one of their existing labs, their goal was to invest in a solution that would help them improve guality of care, maximize workflow efficiency and drive staff and patient satisfaction.

After installing Azurion, the interventional vascular department of St. Antonius Hospital achieved¹⁴ a:

17% reduction in procedure time

28%

reduction in post-procedure lab time

44%increase in usage

of supporting software tools



cases finished after normal working hours

29%movement between

room

exam and control



usage of instant parallel working for interventional procedures

Full **flexibility** and **patient access**

Our solutions are based on continuous input and collaborations with stakeholders across the clinical spectrum. Our most recent survey⁷ of surgeons around the globe identified their key requirements for a Hybrid OR. The Azurion Hybrid OR with its two unique FlexArm and FlexMove gantry options has been developed to meet these critical issues.

Optimal use of space

Major equipment is mounted on the ceiling the preferred location for OR equipment. Both the FlexArm and FlexMove gantries have a compact design, developed to maximize use of OR space and help maintain a clean floor.

Easy full body patient coverage

Team members can work at both sides of the table, and the patient can be accessed at any location from head to toe. The imaging system can be easily moved away from the table as needed. Azurion's

gantry flexibility also helps to reduce and even eliminate table pivoting or panning which can enhance patient experience and improve catheter control and intubation.

Positioning flexibility and clean floor

Imaging and surgery equipment can be easily positioned for different teams and procedures without touching the floor. The FlexArm C-arm has a 270-degree range of movement to further increase staff and equipment positioning freedom without compromising projection freedom.

Workflow without compromise

The anesthesiologist can stand at the head of the table, and other team members can stand in their preferred working positions for a variety of open and minimally invasive procedures. During radial access and multiple access cases, the transversal movement of the gantries allows you to work in the most ergonomic position.





The Azurion 7 C20 FlexArm benefits diverse procedures

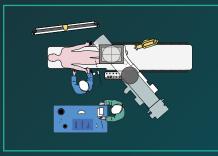


Figure 1: Peripheral procedures

Unrestricted access over full legs with C-arc

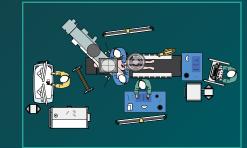
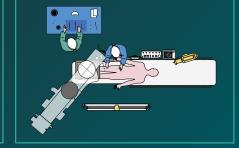
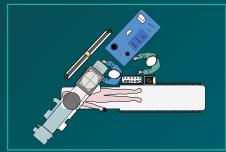


Figure 4: EVAR procedures

Optimal working position for both anesthesia





The Azurion 7 C20 FlexMove parking and stand by position

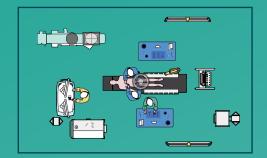
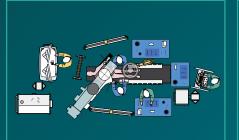
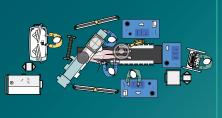


Figure 7: Parking position

- Park system outside treatment area:
 During open surgery procedures





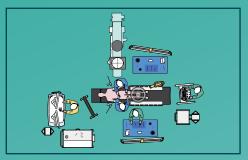


Figure 8: Standby position

- Full patient access with C-arm in stand by position during open surgery phase
 Easy to bring in the C-arm whenever needed

SmartCT- the next leap in simplifying and advancing 3D imaging to enhance interventional confidence

The Philips Image Guided Therapy clinical application software SmartCT, part of the Azurion image guided therapy platform, enriches our exceptional 3D interventional tools with clear guidance that is designed to remove the barriers to acquiring 3D images in the interventional lab.

Increases clinical confidence

Via the touch screen at the table, you can access clinically tailored 3D acquisition protocols and advanced visualization and measurement tools. These allow you to evaluate the type and extent of disease during peripheral, aortic, visceral, arterial, and venous procedures with great detail. Studies have shown that 3D CT-like imaging in the Angio lab can enhance diagnostic accuracy, improve patient outcomes, and increase procedural efficiency

Empowers you to easily adopt 3D imaging

SmartCT allows any clinical user to perform 3D imaging with SmartCT, regardless of their level of experience*:

- Easy room preparation to help position equipment and the Azurion system for a 3D acquisition
- Easy protocol selection via pictorials
- Injection protocol suggestion based on literature
- Easy isocentering with visual feedback to confirm your field of view position without using X-ray dose
- Easy 3D acquisition you know when acquisition is completed and you can release the push button or pedal



Provide superb care Increases clinical confidence for diverse vascular procedures with advanced 3D imaging, visualization and measurement tools.

82% think that the ease of using SmartCT will increase their utilization of 3D imaging in interventional procedures⁸

88% believe they can have more focus on their patient - thanks to full table side control with the touch screen module⁸







Optimize lab performance Easily control advanced 3D acquisition, visualization and measurements at table side to improve lab flexibility and efficiency.



Oustanding user experience Acquire 3D images and interact with all SmartCT 3D features in a more natural and effortless way.

Improve visibility of anatomy with clinically tailored acquisition and roadmap protocols



SmartCT Angio

SmartCT Angio generates a complete highresolution 3D visualization of cerebral, abdominal, cardiac and peripheral vasculature– all controlled via the touch screen at the table. This can improve visibility of tortuous or complex anatomy.



SmartCT Roadmap

SmartCT Roadmap provides a live 3D image overlay that can be segmented to emphasize the targeted vessel and lesions, supporting catheter navigation. The SmartCT Roadmap overlays a 3D reconstruction of the vessel tree, vessel segments, or annotations with live fluoro images.



SmartCT Soft Tissue

SmartCT Soft Tissue generates a CT-like visualization of soft tissue (cone beam CT) in relation to other structures during procedures – all controlled via the touch screen at the table. You can use the CT-like images to assess soft tissue, bone structure and stent deployment before, during and after interventional procedures.

Benefits of CBCT during EVAR procedures

According to the 2019 guidelines for abdominal aortic and iliac artery aneurysms⁹, the use of cone beam CT (CBCT), combined with a completion angiogram has been shown to be highly accurate in detecting complications intra-operatively post EVAR17. Intra-operative angiography combined with cone beam CT for completion assessment could possibly replace the post-operative CT¹⁰

Case: EVAR treatment check: Endoleak type 2 detection

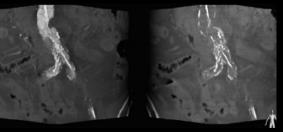
Patient:

- Male 80 years old
- Contrast volume SmartCT: 80 ml (dilution 50:50)
- Flow: 12 ml/sec
- X-ray delay first run: 2 sec; Interval time between the 2 runs: 15 sec
- DAP per SmartCT acquisition: 13 Gy.cm²

First SmartCT: Early phase



VesselNavigator as guidance for stentgraft placement Second SmartCT: Late phase



Final check with SmartCT Soft Tissue: Deposition of contrast outside of the stentgraft, only visible on the late phase scan, showing a type 2 endoleak



Merging the two scans clearly shows the late phase contrast filling outside the stentgraft

Scan to view feature videos



System platform Azurion 3 F15, 5 C20, 7 C20, 7 C20 FlexArm 7 C20 FlexMove ClarityIQ technology

Vascular products VesselNavigator SmartCT Angio SmartCT Roadmap SmartCT SoftTissue XperGuide

Vascular devices IVUS Visions PV Pioneer Plus Phoenix Atherectomy Turbo-Power laser Turbo-Elite laser Turbo-Tandem catheter Stellarex DCB AngioSculpt

Integrated tools CX50x Matrix ultrasound Xper IM IntelliSpace CV DoseWise Portal DoseAware

Integrated tables

Dedicated solutions to efficiently support your case mix



Azurion 7 C20 FlexArm

- Staff and equipment positioning freedom
- Improved workflow for multiple patient access points
- Enhanced patient care due to reduced table and patient movement
- Make efficient use of lab/OR space

• Positioning flexibility and clean floor

• Easy full body patient coverage









Free Laminar Airflow field

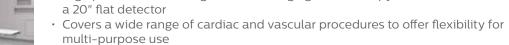
Azurion 7 C20

Extended parking options

Azurion 7 C20 FlexMove



Azurion 5 C20 • High performance ceiling mounted image guided therapy solution with



• Control all relevant applications via the central touch screen module at table side

Azurion 3 F15

- Perfect fit for mixed application use in one room (cardiac/vascular)
- Same user interface as the Azurion 7 series provides ease-of-use across the whole platform

• Efficient workflow with Procedure Cards, Parallel Working and Checklists and Protocols

- Full-body coverage with table swivel
- Advanced dose management with DoseWise and MRC200+ X-ray tube



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Ì	Azurion system SW version upgrade		
	State-of-the-art security		
.	Latest available Operation System		
Ļ	Computer HW refresh to support software upgrade		
	Application training for new or enhanced functionality (days)		
PHILIPS	New version of existing iApps		
PHILIPS	Future iApps in one clinical suite (Coronary, EP, SHD, Vascular, Neuro, Onco, Spine or Lung)		
Follow	Future iApps in one clinical domain (Cardiac or Vascular)		