



Allia

Allia™ IGS 7

For Interventional Cardiology

Meet your
trusted assistant
for image guided
therapies

gehealthcare.com/AlliaIGS7

Evolving **minimally invasive therapies** brings new challenges



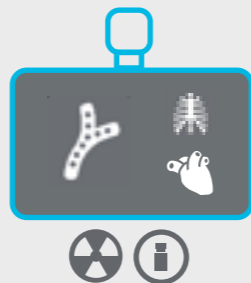
Optimal image quality at the lowest possible dose

Cardiologists need to focus on the patient and the procedure, not on setting the parameters for optimal image quality and dose.



Clinical & operational efficiency

Setting up the workspace and adjusting system settings to suit their preferences is complex and time-consuming for clinicians.



More complex procedures

There is a lack of user-friendly advanced image guidance in daily practice to facilitate procedures and minimize radiation dose and contrast media.



Allia™ IGS 7

Meet your **trusted assistant** for image guided therapies



With **Allia™ IGS 7**, we're **introducing an assistant**, a new team member present when and where you need it.



Set your destination and navigate on autopilot

Provides the right image at the right dose automatically.



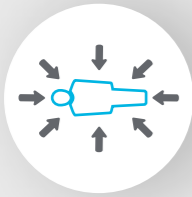
Wherever you are, the assistant works around you

Adapts the mobile gantry to your clinical needs through a personalized workplace.



Augment your outcomes with Augmented reality

Facilitates collision free procedures with wide bore C-arm & augmented image guidance in daily practice.



Wherever you are, the assistant works around you

Full mobility to adapt to your clinical needs



1 Allia* enables full mobility in the workplace



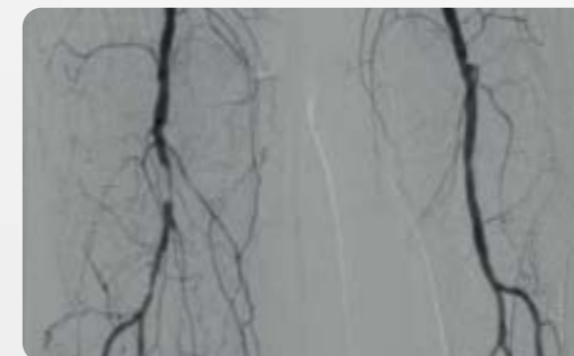
- Precise and predictable laser-guided mobile robotic gantry
- Rail-free design for improved hygiene and optimal monitor placement whatever the working position
- Mobile gantry system fits in a 35m² Lab

2 Allia enables space & freedom around the patient



- Head to groin coverage with the gantry at the head thanks to unique offset C-arm
- Challenging steep angulations imaging¹ for coronary procedures
- Back-out trajectories and left and right customizable parking positions for excellent patient access

3 Allia offers you the flexibility you need for peripheral procedures



- Up to 276 cm imaging coverage allowing head to toe imaging without moving the table
- Effortless table panning for a free-floating like experience, whatever the patient weight¹
- Follow the contrast bolus in real time subtracted images with two legs coverage, using variable panning speed control with an easy workflow²



Wherever you are, the assistant works around you

With a personalized workplace



1 Allia personalizes your workplace to adapt to your clinical needs & preferences



- Work in full comfort and control with compact personalized user interfaces
- Your own profile tailored to your needs & preferences
- Up to 50 personalized user profiles

2 Allia provides personalized profiles tailored to your needs



- Customizable content and layout for 1-click access to essential functions, such as
 - Acquisition parameters
 - Review controls
 - Augmented guidance tools
- Increased operating comfort with smartphone-like interactions on the Touch Panel
- Robotic gantry auto-positioning, always adapting to your clinical needs

3 Allia provides commands at your fingertip wherever you are



- Compact and flexible UI at table side or on flexible arm support
- Direct access on detector for C-arm, table and detector motions
- IGS Control Center for ergonomic access from any position



Set your destination and navigate on autopilot

With the image quality and dose you expect



1 Allia provides the right image at the right dose automatically



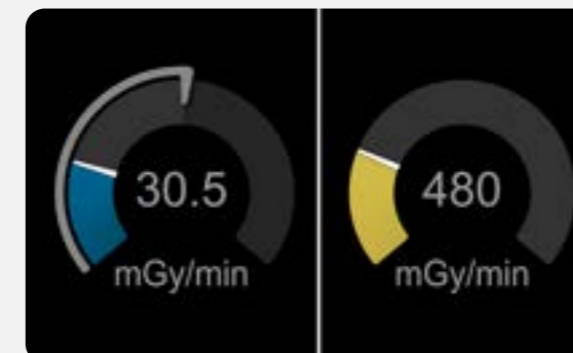
- AutoRight the 1st AI-based, interventional image chain in the industry^{3,4} trained on 6,000+ datasets
- Automatic adjustment of up to 7 parameters⁵ in real time to optimize image quality and dose
- 2/3 of hardware and software renewed in the image chain

2 Allia provides an intuitive cockpit to manage your image quality



- Interactive control of the IQ/dose trade-off with AutoRight cockpit³
- One touch access to the full image quality range within any protocol⁶

3 Allia provides an intuitive cockpit for dose awareness and control



- Graphical color-coded display of real-time dose rate for immediate visual feedback
- Dose limiter function for additional one-touch control of maximal fluoroscopic dose rate limit

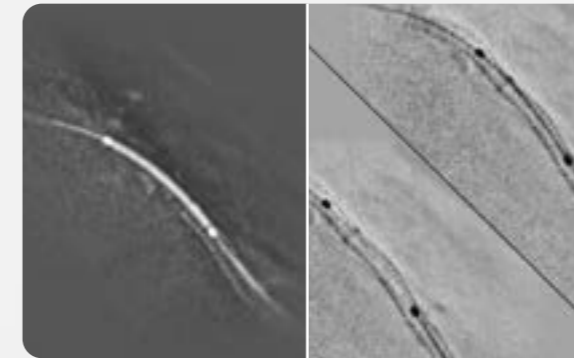


Augment your outcomes with Augmented Reality

Simplified workflows to adopt advanced imaging



1 Allia helps you power up your PCI decision making with PCI ASSIST⁷



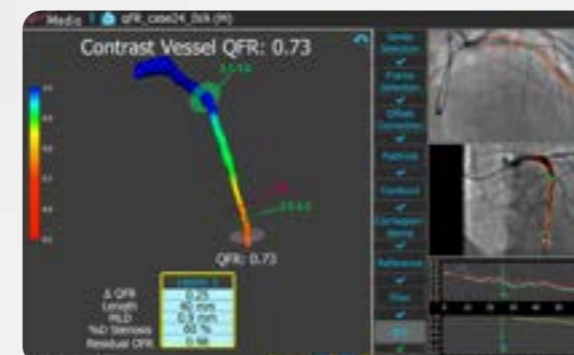
- Intuitive planning tools for assessing the lesion to select the most appropriate stent⁸
- Quick and accurate visualization of the two stents to get the optimal overlap
- Clear assessment of the deployment, the position and the overlap

2 Allia gives you access to hemodynamics and intra-vascular imaging



- Benefit from the natural connectivity between Allia and Mac-Lab[™] to control your hemodynamic recording system from table side touch panel
- Mac-Lab FFR option takes the place of a separate FFR analyzer and makes FFR just another measurement
- Open architecture mode to enable you to connect other imaging sources such as OCT and IVUS

3 Allia offers you an exclusive integration of QFR[®] for a seamless workflow

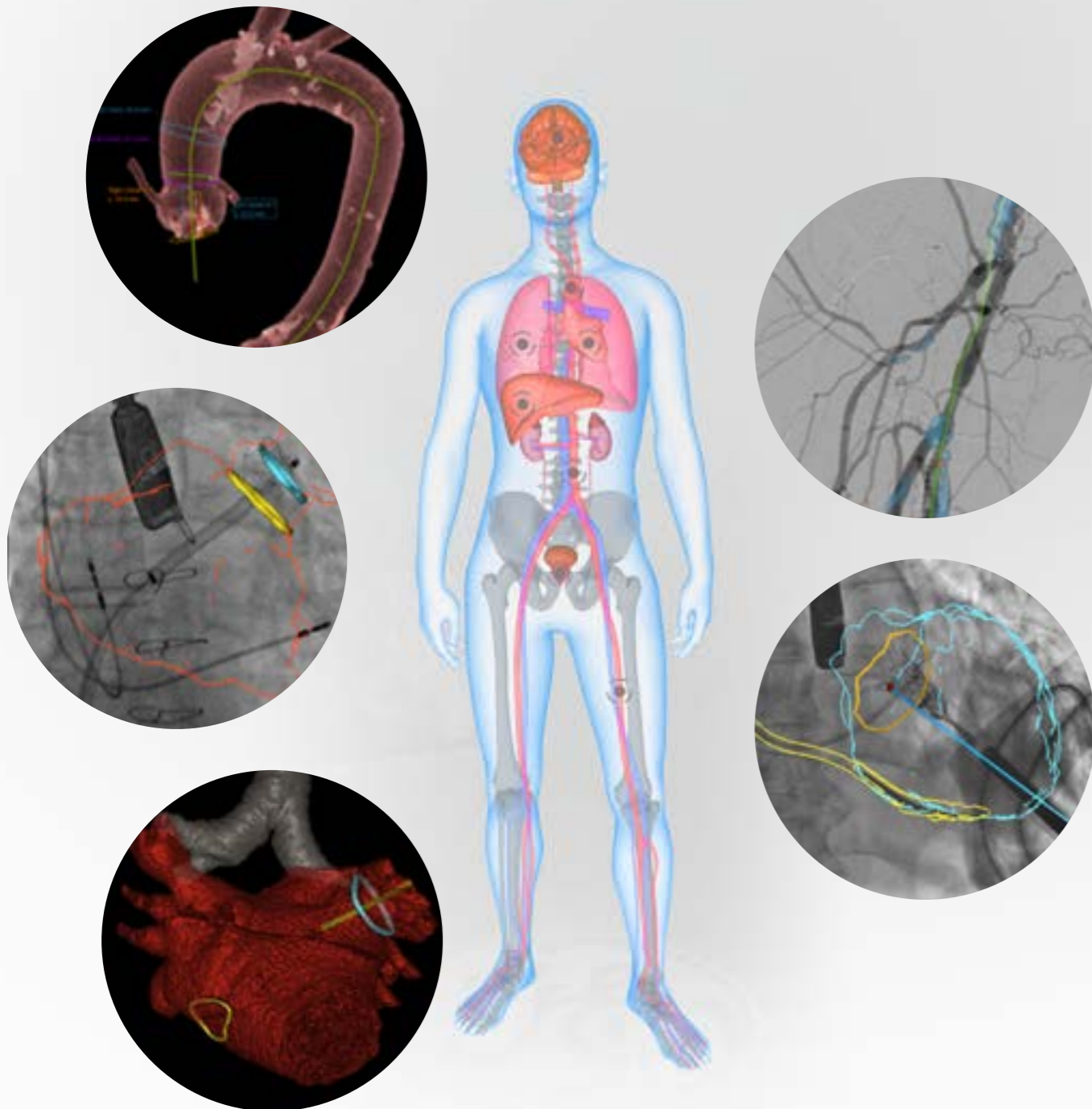


- QFR[®] from Medis is a non-invasive, image-based tool that can accurately and rapidly compute FFR, without the need for a pressure wire, nor hyperemic drug
- Exclusive integration of Allia and QFR software provides an optimized workflow



Augment your outcomes with Augmented Reality

Simplified workflows to adopt advanced imaging



1 Allia brings ASSIST solutions⁹ to your fingertips



- Intuitive planning tools for structural heart procedures
- Calcification Enhancement to improve visualization of moving contrasted structures
- Automatic overlay of planning information over fluoroscopy during the procedure

2 Allia helps improve your outcomes¹⁰



- Thanks to augmented imaging, you can improve patient outcomes:
- **-33%** volume of contrast media¹¹ and **-33%** X-ray dose¹² in TAVI procedures
 - **-78%** Volume of contrast media, **-28%** procedure time and **-25%** fluoroscopy time in LAAC procedures¹³

3 Allia helps you guide structural heart procedures with multimodality fusion



- INTERACT View-X¹⁴ enables the display of CT/X-Ray images on Echo screen, to enhance communication within the heart team
- INTERACT Structural Heart¹⁵ enabling to use the best from each image at every moment of the procedure for best decision
- You can import 3mensio¹⁶ planning landmarks to guide your complex structural procedures



Optimize your investment

With innovative services



1 Keep your clinical and operational capabilities updated with Continuity™



- Your investment kept up to date over the lifecycle
- Life of your interventional system extended
- Regular security updates provided to your operating system

2 Convert unplanned downtime into planned downtime thanks to OnWatch



- Likelihood of failures of your system limited thanks to OnWatch¹⁷ parameters monitoring
- Efficiency maximized by helping to ensure that your system is fully functional when you need it
- Costs associated with downtime reduced to minimum

3 Optimize your performance with continuous and customizable clinical application training



- 350 accredited education programs¹⁸ available at customer/GE site and remotely
- GE Cares Community membership to increase your professional skills

Augment imaging
Enhance experience
Improve outcomes



References

Allia refers to Allia IGS 7

The result of referenced clinical studies and the presented clinical images herein this document are not generated with the actual product version. It is expected that the actual product version has similar or improved functionality to support the evaluated procedure.

1. Based on the results of a survey with GEHC Employees. The test was performed with 2 different load 40kg (P5 woman weight) and 100kg (P95 man weight). ref: Pheasant S., et al. : Body space. Anthropometry, ergonomics & the design of work. Third edition. Taylor & Francis, London / CRC Press, 2006
2. Optional feature on Allia IGS 7
3. AutoRight refers to intelligent image chain features of GEHC's Interventional x-ray systems, from image acquisition to image processing and display, available on Allia IGS 7 and Allia IGS 7 OR. May not be available in all markets.
4. Based on competitive research, among major players in interventional imaging
5. One of the parameters is InnovaSense, an option applicable to Allia IGS 7 (IGS 730 configuration)
6. With IntellQ auto-exposure preference
7. PCI ASSIST solution includes StentViz and StentVesselViz, features of Allia.
8. By using One-touch QA, an option sold separately.
9. ASSIST solutions are composed of multiple medical devices. For more information, please refer to GEHC's web site. www.gehealthcare.com/assist
10. Outcomes will vary depending on the system, settings, clinical task, patient size, anatomical location, clinical practice and ASSIST solutions.
11. Shafiq, et al. Effect of a new enhanced fluoroscopy technology (Valve ASSIST 2) on outcomes in patients undergoing trans-catheter aortic valvular replacement. TCT 2017; Abstract
12. Overtchouk, et al. Advanced image processing with fusion and calcification enhancement in transcatheter aortic valve implantation: impact on radiation exposure. Interactive CardioVascular and Thoracic Surgery (2018) 1–8. doi:10.1093/icvts/ivy136
13. Roy, et al. Novel Integrated 3D Multi-Detector Computed Tomography and Fluoroscopy Fusion for Left Atrial Appendage Occlusion Procedures . Catheter Cardiovasc Interv2017;Mar 17, DOI:10.1002/ccd.26998
14. INTERACT ViewX is a connection kit to display Interventional images on the GE Ultrasound system display. Requires Vivid E95 systems or Vivid S70N systems sold separately. Requires Interventional X-ray systems Allia IGS 7 or Allia IGS 7 OR. Not all products are available in all countries. For more information about products and services that are available in your country, please contact your GE Healthcare sales representative.
15. INTERACT Structural Heart solution includes Valve ASSIST 2 and VividTM CT-Fusion
16. 3mensio is a product line of Pie Medical imaging corporation
17. OnWatch is an optional feature, not available in all countries and sold separately.
18. These results may not be typical for all customers and are not guaranteed. This statistic is derived from GE Healthcare Internal Data. 42 education programs were performed in Interventional Imaging.



About GE Healthcare

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