



GE HealthCare

Allia™ IGS 7

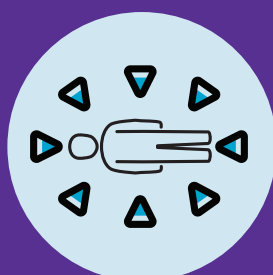
For hybrid operating rooms

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

Evolving minimally invasive therapies bring new challenges

Diverse patient access

Nearly 50% of procedures¹ are performed at working positions where clinicians have poor access to user interface, functions & display.



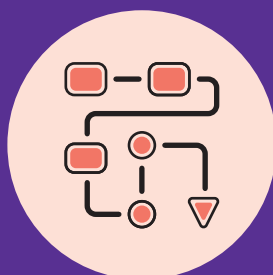
Varied clinical practice

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.



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

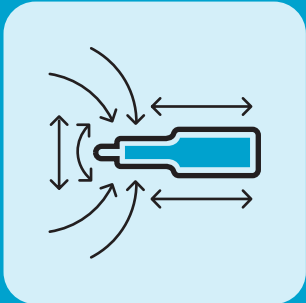
Allia™ IGS 7



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

**Wherever you are,
the assistant works around you**

Auto-positions the robotic gantry
adapting to your clinical needs.



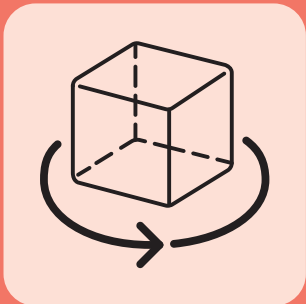
**Each time you enter,
it's your room**

Personalizes your workplace for 1-click
access to your essential functions.



**Augment your outcomes with
Augmented reality**

Facilitates CBCT 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



Allia* enables full mobility in the workplace

- Precise and predictable laser-guided mobile robotic gantry
- Back-out trajectories and customizable parking positions for excellent patient access
- Mobile robotic gantry can be moved instead of the table when preferred



Allia provides excellent patient access from any working position

- Up to 276 cm imaging coverage allowing head to toe imaging without moving the table
- Unique offset C-arm for head to groin coverage with the gantry at the head and for anesthesia access
- Dedicated flexible trajectories for arm accesses



Allia enables natural interactions for table & gantry positioning

- Hand detection technology for natural movements of table & gantry
- Robotic gantry and table auto-positioning, always adapting to your clinical needs



Wherever you are, the assistant works around you

In an operating theatre environment

Allia complies with the most stringent hygiene requirements

- Rail-free ceiling for compatibility with laminar flow and ISO5 standards, even in imaging position
- Dedicated sterile covers for tube, detector and C-Arm
- User interfaces designed for optimal interactions with gloves and sterile covers



Allia provides advanced positioning management designed to avoid collision

- Predictive anti-collision model designed to reduce collision occurrences
- Collision sensors on X-ray tube, image receptor, gantry bottom and gantry mast
- Anti-crushing cable management



Allia provides a full range of accessories to support most surgical procedures

- Additional rails can be placed at head side for surgical procedures
- Head rest, arm rests are also available to support all your radial accesses



Each time you enter, it's your room

With a personalized workplace

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



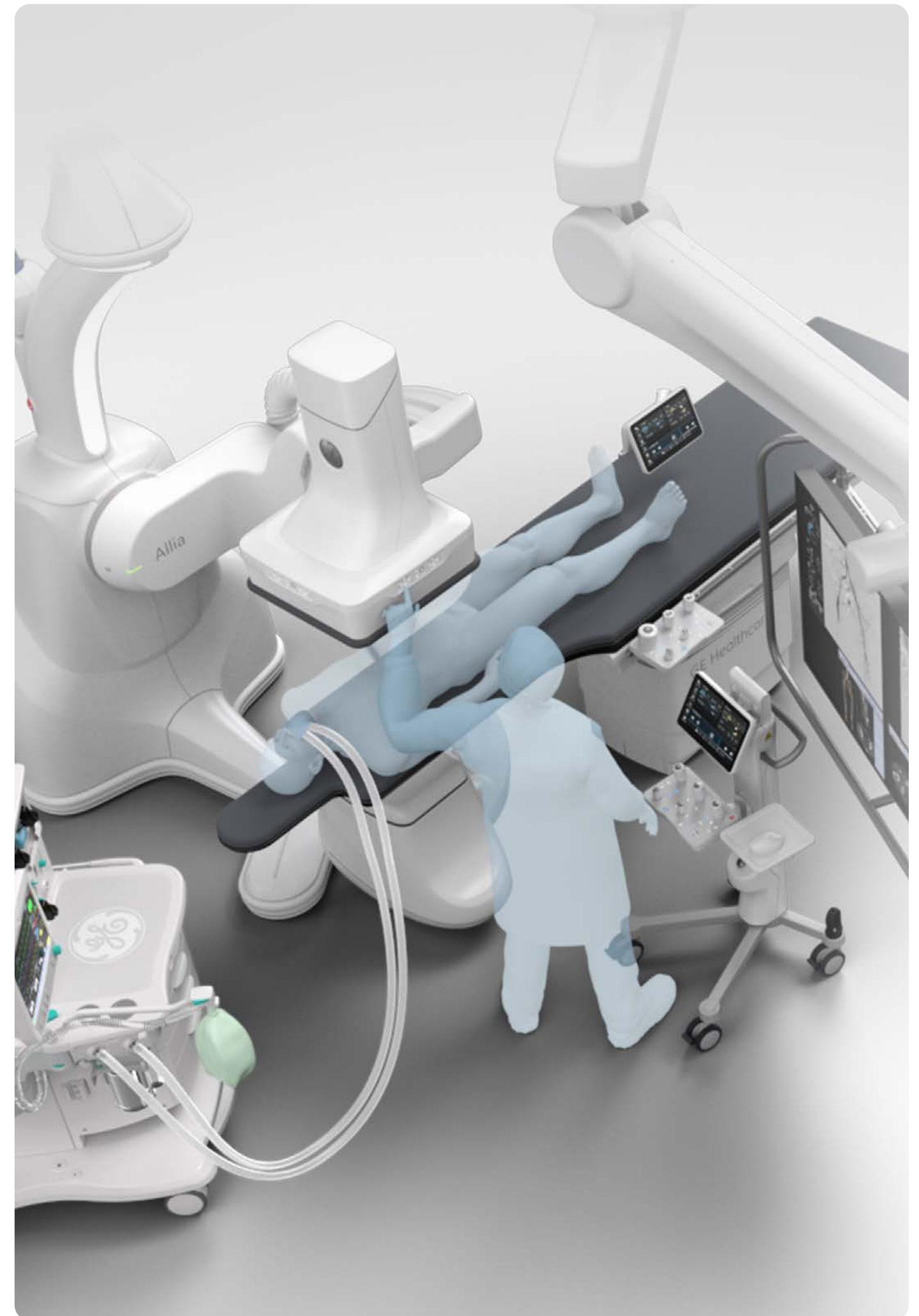
Allia personalizes your workplace for 1-click access to your essential functions

- Customizable content and layout for a personalized homepage
- Increased operating comfort with smartphone-like interactions on the Touch Panel
- 1-click access to your essential functions from any working position



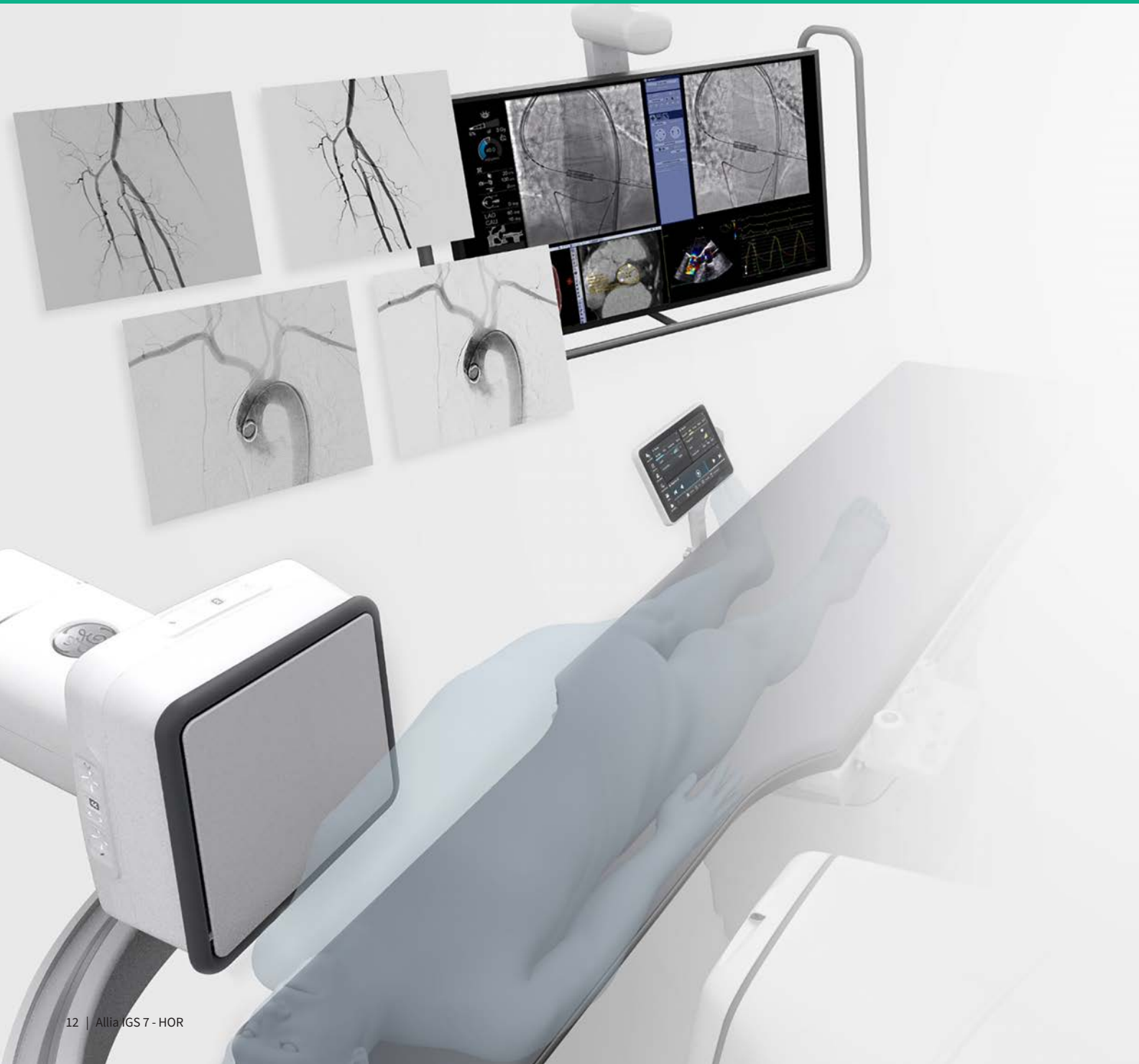
Allia provides commands at your fingertip wherever you are

- 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



Each time you enter, it's your room

With the image quality and dose you expect



Allia provides the right image at the right dose automatically

- AutoRight; the 1st AI-based interventional image chain in the industry^{2,3} trained on 6,000+ datasets
- Automatic adjustment of up to 7 parameters⁴ in real time to optimize image quality and dose
- 2/3 of hardware and software renewed in the image chain

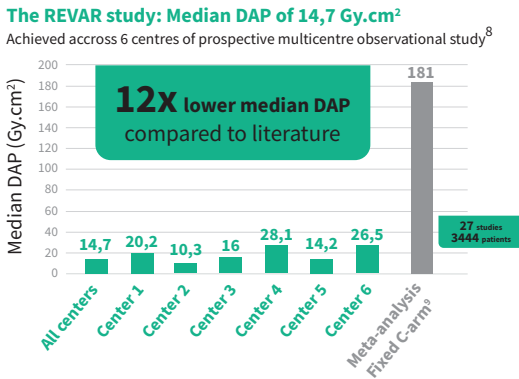
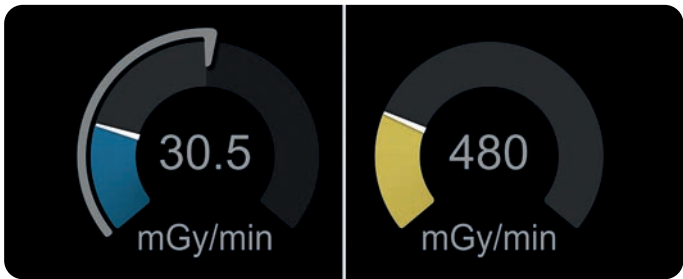
Allia provides an intuitive cockpit to manage your image quality

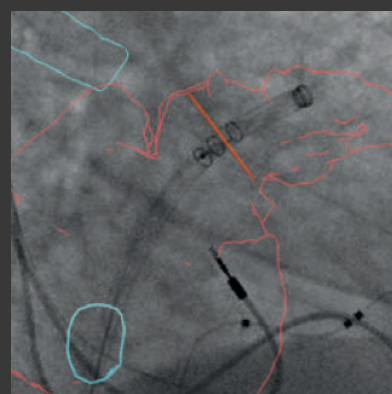
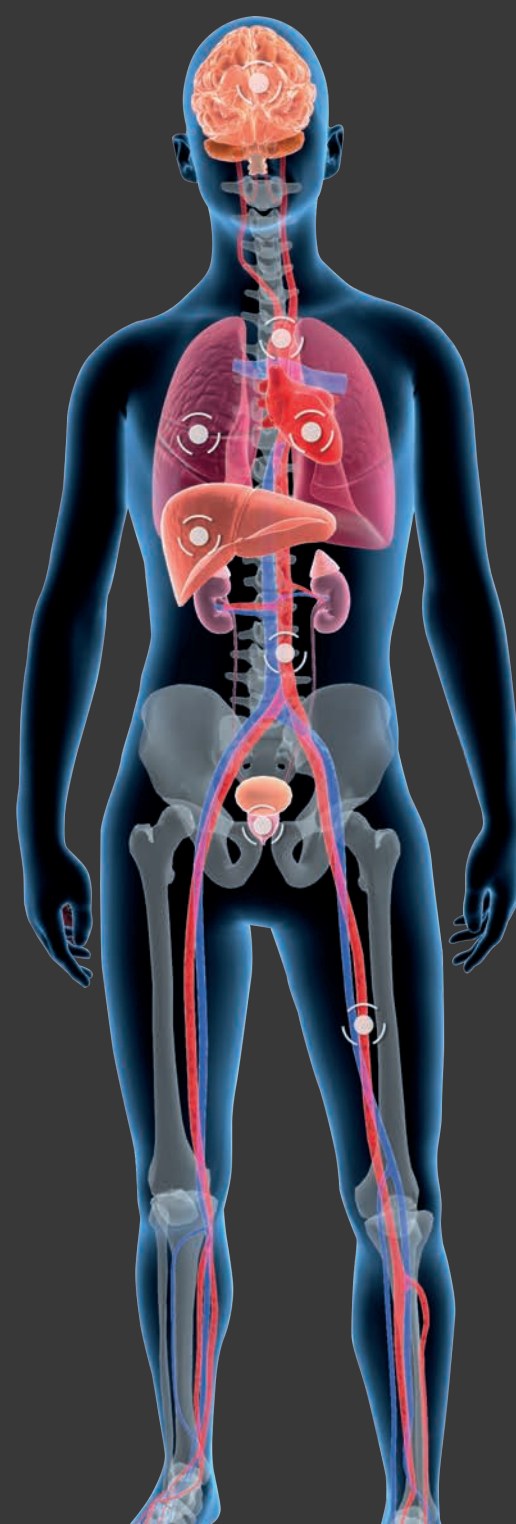
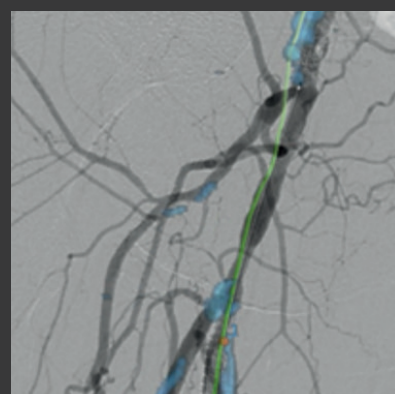
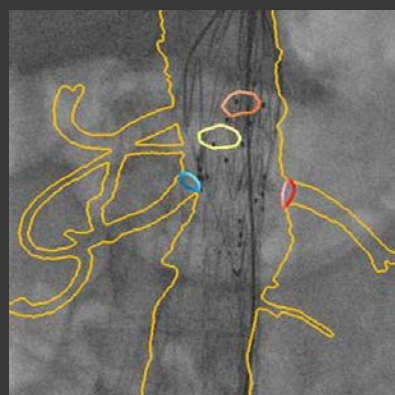
- Interactive control of the IQ/dose trade-off with AutoRight cockpit²
- Graphical color-coded display of real-time dose rate
- Dose limiter function for additional control of maximal fluoroscopic dose rate limit

Allia with ASSIST solution⁵ helps optimize the dose during your procedures

- Intuitive ASSIST solutions⁵ for significant radiation dose & contrast media reduction^{6,7}
- Visual comfort without increasing radiation dose with live Digital Zoom

6P Control Device	GE HealthCare AutoRight	Other Manufacturers
kVp	✓	✓
mA	✓	✓
ms	✓	✓
Focal Spot	✓	FIXED
Spectral Filter	✓	FIXED
Detector Dose	✓	FIXED
	Variable	





Augment your outcomes with Augmented Reality

Simplified workflows to adopt CBCT and advanced imaging

Allia enables augmented 3D planning from pre-op exams directly at table side

- Intuitive planning tools from CBCT or pre-operative imaging within ASSIST solutions⁵
- Full image review capabilities with integrated in-room mouse¹⁰ without breaking scrub



Allia brings ASSIST solutions⁵ to your fingertips

- 3D fusion guidance with table and gantry motion synchronization
- Calcification Enhancement to improve visualization of moving contrasted structures during structural heart procedures
- Intuitive Touch Panel interface to make augmented imaging even more accessible



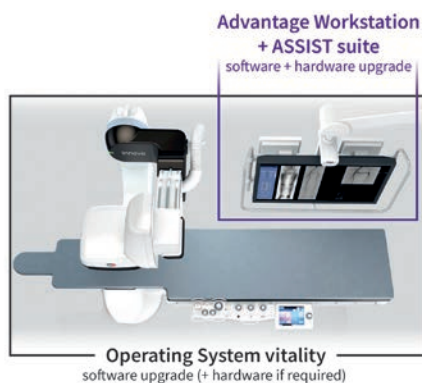
Allia helps you standardize CBCT with wide bore offset C-arm and 3D presets

- Exceptional fine image details & quality of soft tissues, bones & devices with 3DCT HD¹¹
- Optimized CBCT imaging parameters with 3D presets from the personalized homepage
- Wide bore and 41x41 cm detector for 3D imaging at any point of the anatomy without collision even for large patients with a BMI up to 40^{12,13}



Optimize your investment

With innovative services



Keep your clinical and operational capabilities updated with Continuity™

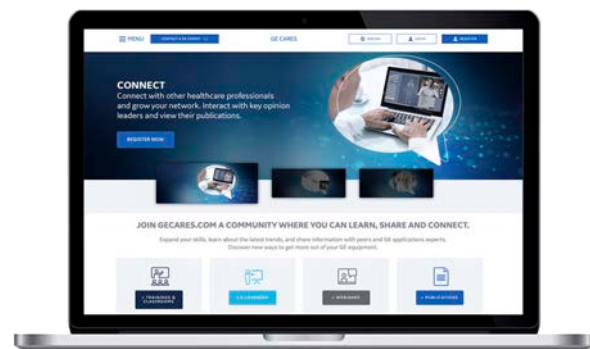
- Your investment kept up to date over the lifecycle
- Life of your interventional system extended
- Regular security updates provided to your operating system

Convert unplanned downtime into planned downtime thanks to OnWatch

- Likelihood of failures of your system limited thanks to OnWatch¹⁴ 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

Optimize your performance with continuous and customizable clinical application training

- 350 accredited education programs¹⁵ available at customer/GE HealthCare site and remotely
- GE Cares Community membership to increase your professional skills
- Join the community at www.gecares.com





Augment imaging.
Enhance experience.
Improve outcomes.

References

* Allia IGS 7 is now CE marked. Product may not be available on all markets. Refer to your sales representative for more information.

1. 47%, according to a GE HealthCare sponsored blind survey conducted with 180 Interventional Cardiologists, Interventional Radiologists, and Vascular Surgeons in the US and Europe.
2. AutoRight refers to intelligent image chain features of GE HealthCare'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.
3. Based on competitive research, among major players in interventional imaging.
4. One of the parameters is InnovaSense, an option applicable to Allia IGS 7 (IGS 730 configuration).
5. ASSIST solutions are composed of multiple medical devices. For more information, please refer to GE HealthCare's web site: www.gehealthcare.com/assist.
6. Outcomes will vary depending on the system, settings, clinical task, patient size, anatomical location, clinical practice and ASSIST solutions.
7. Performance obtained from following publicly available peer reviewed papers: Novel integrated 3DCT and fluoroscopy fusion for LAAC. Value of Image Fusion Coronary angiography for the detection of CABG, Impact of Hybrid rooms with Image fusion on radiation exposure during endovascular Aortic repair, Percutaneous Bone Biopsies: comparison between CBCT and CT guidance, Significant patient radiation exposure reduction during complex liver IR procedures using a new generation angiography imaging room, Comparison of the number of image acquisitions and procedural time required for TACE of Hepatocellular Carcinoma with and without tumor feeder detection SW.
8. Hertault et al. Radiation Dose Reduction During EVAR: Results from a Prospective Multicentre Study (The REVAR Study). Eur J Vasc Endovasc Surg (2018). <https://doi.org/10.1016/j.ejvs.2018.05.001>. The sites in the REVAR study used Discovery IGS 730 and Discovery IGS 740, previous product versions of Discovery IGS 7 with GE OR table. They also used EVAR ASSIST image fusion, a previous version of EVAR ASSIST 2.
9. De Ruiter et al. Meta-analysis of cumulative radiation duration and dose during EVAR using mobile, fixed, or fixed/3D fusion C-Arms. J Endovasc Ther (2016). <https://doi.org/10.1177/1526602816668305>.
10. In-room AW mouse is optional on Allia™ IGS 7.
11. 3DCT HD is an option sold separately. Includes 3DXR. Requires AW workstation and Volume Viewer.

12. Tested on a patient model based on published anthropometric data: C. Bordier*, R. Klausz and L. Desponds, Patient Dose Map Indications on Interventional X-Ray Systems and Validation with Gafchromic XR-RV3 Film, Radiation Protection Dosimetry (2014), pp. 1–13, doi:10.1093/rpd/ncu181.
13. Valid for IGS 740 configuration.
14. OnWatch is an optional feature, not available in all countries and sold separately.
15. 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 Technologies Inc.

GE HealthCare is a leading global medical technology, pharmaceutical diagnostics, and digital solutions innovator, dedicated to providing integrated solutions, services, and data analytics to make hospitals more efficient, clinicians more effective, therapies more precise, and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected, and compassionate care, while simplifying the patient's journey across the care pathway. Together our Imaging, Ultrasound, Patient Care Solutions, and Pharmaceutical Diagnostics businesses help improve patient care from diagnosis, to therapy, to monitoring. We are a \$19.6 billion business with approximately 51,000 colleagues working to create a world where healthcare has no limits.

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