## Discovery IGS 7 OR with Maquet Magnus OR table system

gehealthcare.com



## Rediscover space and movement

GE Healthcare and Getinge have jointly developed a highly flexible hybrid OR solution that combines GE's powerful Discovery IGS angiography system with Getinge's versatile Maquet Magnus OR table system. By merging the capabilities of two major flexible platforms, you can expand your clinical opportunities. The combined solution expands the clinical breadth of the hybrid OR to fit the needs of virtually any surgery and interventional specialty.

The Discovery IGS 7<sup>†</sup> with Maquet Magnus OR table system<sup>1</sup> brings both extremely high-quality imaging and complete workspace freedom to the hybrid OR.

- Rethink your possibilities with predictable motion and patient ac
- Reinvent the way you work with high-precision imaging
- Re-evaluate your options to expand your procedure mix while se

ess

uring your OR utilization



# Rethink your possibilities





## Movable gantry puts clinicians in control





Teams work better with nothing in their way



One-touch back-in and back-out means fully flexible procedures







## Reinvent the way you work







2-34x

Lower Median DAP in Lille compared to published literature<sup>4</sup>

## EVAR ASSIST 2\*\*

Endovascular aneurysm repairs can be delicate when dealing with complex anatomies. With EVAR ASSIST 2, 3D fusion imaging is very accessible.



Plan

Plan your EVAR procedure with a dedicated set of tools to perform key anatomical measurements, size the endograft and save key information for fusion imaging during intervention.

EVAR ASSIST 2 includes FlightPlan for EVAR CT, EVAR Vision and requires AW workstation with Volume Viewer, Volume Viewer Innova, VessellQ Xpress, Autobone Xpress. These applications are sold separately.



Guide

EVARVision provides 3D

fusion guidance

for EVAR, including the vessel outline, ostia contours and stored

optimal angulations

procedure for precise

device placement.

to guide during





## Assess

Acquire a high definition cone-beam CT to display the information in oblique views to assess device deployment and the presence of potential endoleaks.

# Vessel ASSIST\*\*

Peripheral recanalization can be delicate especially for long occlusions. With Vessel ASSIST, the 3D and centerline overlay helps to cross occlusions, position and deploy devices.



Vessel ASSIST solution includes Vision 2, VessellQ Xpress and Autobone Xpress and requires AW workstation with Volume Viewer and Volume Viewer Innova. These applications are sold separately.

Plan With Vessel ASSIST automatically extract the bone and vessel anatomies. Edit vessel centerlines and bridge them through occlusions. Guide

With Vessel ASSIST, import segmented anatomy, centerline and landmarks. Overlay them on live fluoroscopy whatever the angulation.









## Assess

Use DSA images on a large field of view to image the entire anatomy of interest.

# Valve ASSIST 2\*\*

Transcatheter Aortic Valve Replacement (TAVR) demands meticulous, detailed planning. Valve ASSIST 2 can help you plan and guide challenging procedures with confidence.



Valve ASSIST 2 solution includes TAVI Analysis and HeartVision 2, and requires AW workstation with Volume Viewer and Volume Viewer Innova. These applications are sold separately.



Guide

Guide devices with Valve ASSIST 2 providing high-precision live 3D guidance with a calcification visualization

enhancement mode to assist valve positioning and deployment.

Plan 0-click aorta segmentation and auto-detection of the valve plane delivering easy and reproducible valve sizing for interventional cardiologists and cardiac surgeons.



16 Discovery IGS 7 OR



## Assess

Visualize potential residual valve regurgitation using either angiography or ultrasound.

# Needle ASSIST\*\*

Performing minimally invasive spine procedures in the hybrid OR provides excellent access to the patient as well as high-end imaging capabilities to help find the right entry point and advance devices while avoiding critical structures.



Needle ASSIST solution includes TrackVision 2 and requires AW workstation with Volume Viewer, Volume Viewer Innova. These applications are sold separately.

## Plan Plan the procedure using outstanding 3D information and determine the optimal skip

the optimal skin entry points and needle paths directly on oblique CBCT

cross-sections.

## Guide

With Needle ASSIST you can guide your needle along the virtual trajectory that will follow C-arm angulations and table movements. A dedicated bone rendering helps visualize mis-registration and correct for even small patient motion from tableside.







## Assess

The stereo 3D mode lets you visualize a reconstructed 3D needle on the CBCT oblique view from two spatially separated fluoroscopic images helping you localize devices within the 3D anatomy without a CBCT acquisition.





-61

Discovery









## Draw the ideal room





## About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Data subject to change

A General Electric company, doing business as GE Healthcare

<sup>†</sup> Discovery IGS refers in this brochure to Discovery IGS 7 OR.

\* Discovery, GE and GE Monogram are trademarks of General Electric Company.

\*\* ASSIST solutions are composed of multiple medical devices. For more information, please refer to below web site: www.gehealthcare.com/ASSIST

Discovery IGS 7 OR cannot be placed on the market or put into service until it has been made to comply with all required regulatory authorizations including the Medical Device Directive requirements for CE marking.

Discovery IGS 7 OR and products mentioned in this material cannot be marketed in countries where market authorization is required and not yet obtained. Refer to your sales representative.

## gehealthcare.com

The Discovery IGS 7 OR is fully integrated with the 360° radiolucent flat table top 1180.16A2/F2 and with the Universal table top 1180.10A0/F0 with attachment 1180.37A0/F0. The flat table top is suited for interventional, minimally invasive surgery and conventional open surgical procedures The Universal tabletop is suited for minimally invasive surgery and conventional open surgical procedures.

<sup>2</sup> In this brochure, there are performance claims that can be met only with one of the MAGNUS OR table system table top compatible with Discovery IGS 7 OR. Always refer to the product data sheet specifications applicable to the specific table top from Discovery IGS 7 OR and from Maguet Magnus OR table system.

<sup>3</sup> In clinical use, the results of dose reduction techniques will vary depending on the clinical task, patient size, anatomical location and clinical practice.

' Hertault A, Maurel B, Sobocinski J, Martin Gonzalez T, Le Roux M, Azzaoui R, Midulla M, Haulon S. Impact of Hybrid Rooms with Image Fusion on Radiation Exposure during Endovascular Aortic Repair. Eur J Vasc Endovasc Surg. 2014 Oct;48(4):382-90.

<sup>6</sup> Based on the dose of the procedure step needed using a CBCT acquisition to register preoperative data vs. a Bi-View registration process. The stated dose reduction dose not reflect the entire interventional procedure, rather to a specific in the procedure. The dose for the CBCT acquisition is from typical exposure settings (Innova CT 40<sup>9</sup>/s, 30fps, IQ Standard, Normal, Nominal FOV). The dose from the Bi-View registration process is from two spatially separated, 2seconds fluoroscopic acquisitions, with typical exposure settings (3.75 fps, IQ Standard, Normal, Max Dose Reduction, Nominal FOV). The dose data for all acquisitions are from the Air Kerma per IEC 60601-2-43 conditions, provided in the interventional X-Ray user manual. In clinical practice, the use of Vision 2 may reduce patient radiation dose depending on the clinical task, patient size anatomical location and clinical practice.

<sup>5</sup> Other table tops configuration can be used for conventional surgical procedures, not involving the imaging equipment. Maquet products are sold by Getinge.