

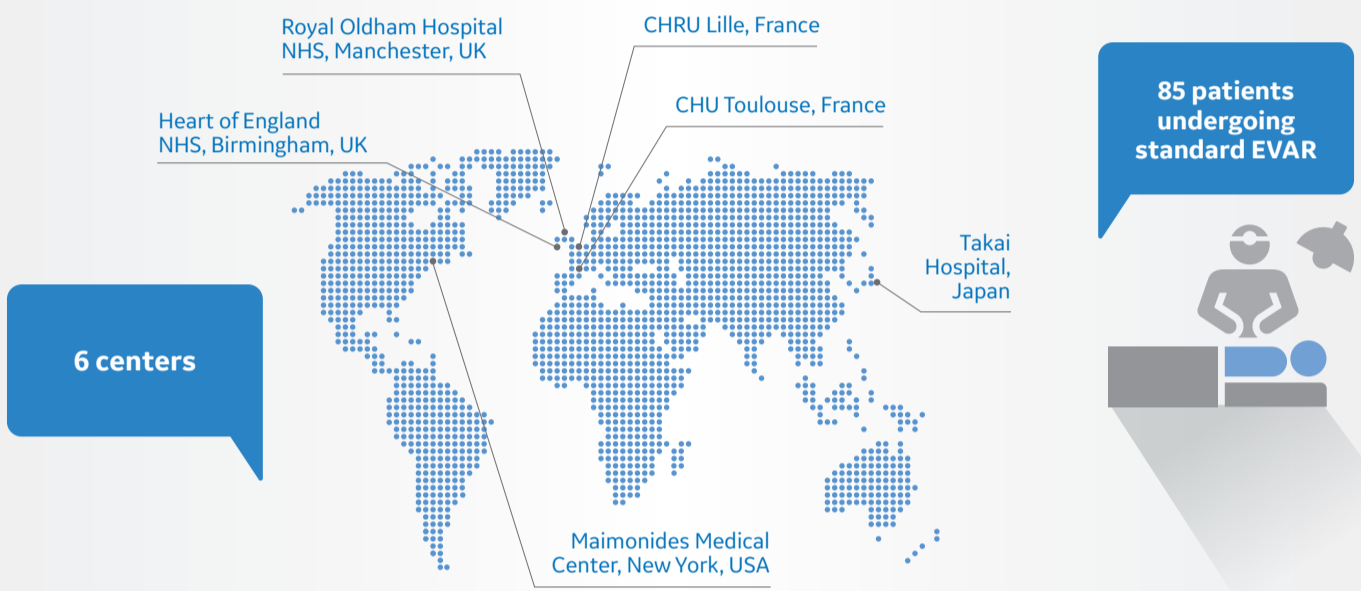
# THE REVAR STUDY<sup>1</sup>

RADIATION DOSE REDUCTION DURING EVAR

Evaluate radiation exposure in standard EVAR using image fusion & ALARA guidelines in a hybrid OR



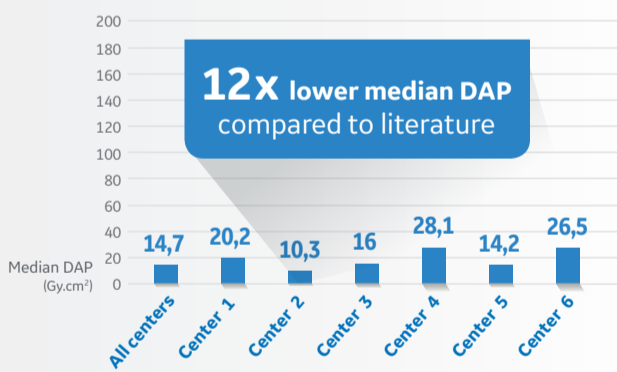
## PROSPECTIVE MULTICENTER STUDY<sup>1</sup>



## RESULTS

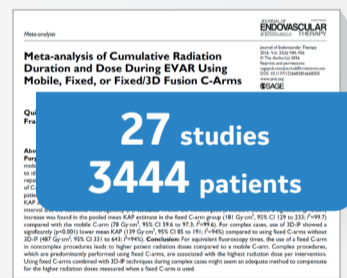
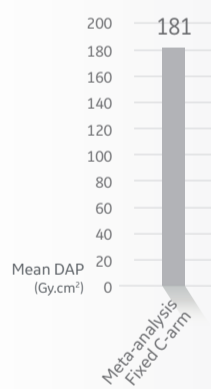
### Median DAP of 14,7 Gy.cm<sup>2</sup>

Achieved across all 6 centers of the prospective multicentre observational study<sup>1</sup>



### Mean DAP of 181 Gy.cm<sup>2</sup>

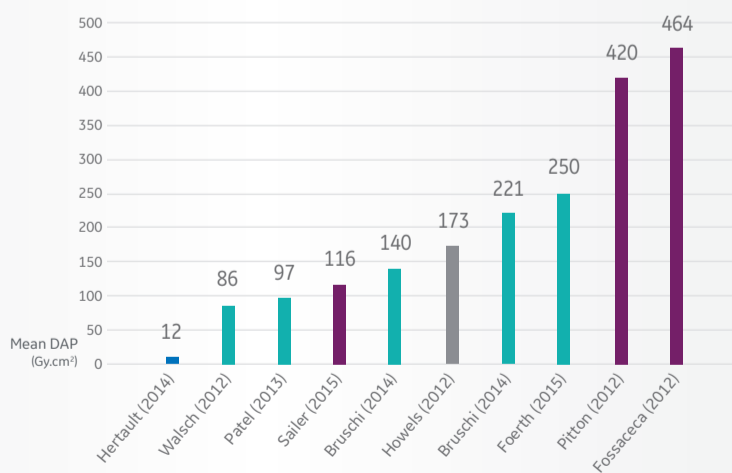
Reported in the meta-analysis by de Ruiter et al. in the non-complex EVAR subset with fixed C-arms<sup>2</sup>



### Meta-analysis of mean DAP\*\*

Reported in the meta-analysis by de Ruiter et al. in 10 studies on standard EVAR with fixed C-arms<sup>2</sup>

- GE Healthcare
- Philips
- Siemens
- Not reported



By following the ALARA principle in a modern hybrid room with routine use of fusion imaging guidance for EVAR, low radiation exposure compared with the published literature can be achieved in a real world setting.

\* EVAR ASSIST 2 solution includes FlightPlan for EVAR CT, EVARVision and requires AW workstation with Volume Viewer, Volume Viewer Innova, VesselIQ Xpress, Autobone Xpress. These applications are sold separately.  
 \*\* Data points were extracted from the meta-analysis by De Ruiter et al (2016). The differences between DAP levels reported in the graph account for several parameters, such as the fusion, the equipment used, the patients characteristics, the operators, the use of ALARA principles, the institution, etc. Therefore, results may vary from one site to another. The results described here were obtained in the customer's unique setting. Since there is no "typical" hospital and many variables exist (e.g. hospital size, case mix), there can be no guarantee that other customers will achieve the same results.  
 1. 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.  
 2. 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>  
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