FOCUS ON YOUR PATIENTS
Our systems are low dose by design

GE IS A LEADING PLAYER IN DOSE REDUCTION

Automated radiation dose reduction
Without any manual intervention

- 46% DAP reduction for CA[1]
- 56% DAP reduction for PCI[1]
- 54% DAP reduction for CA + PCI[1]

CTO-PCI USING DOSEMAP

- -31% CAK reduction[2]
- -33% DAP reduction[2]

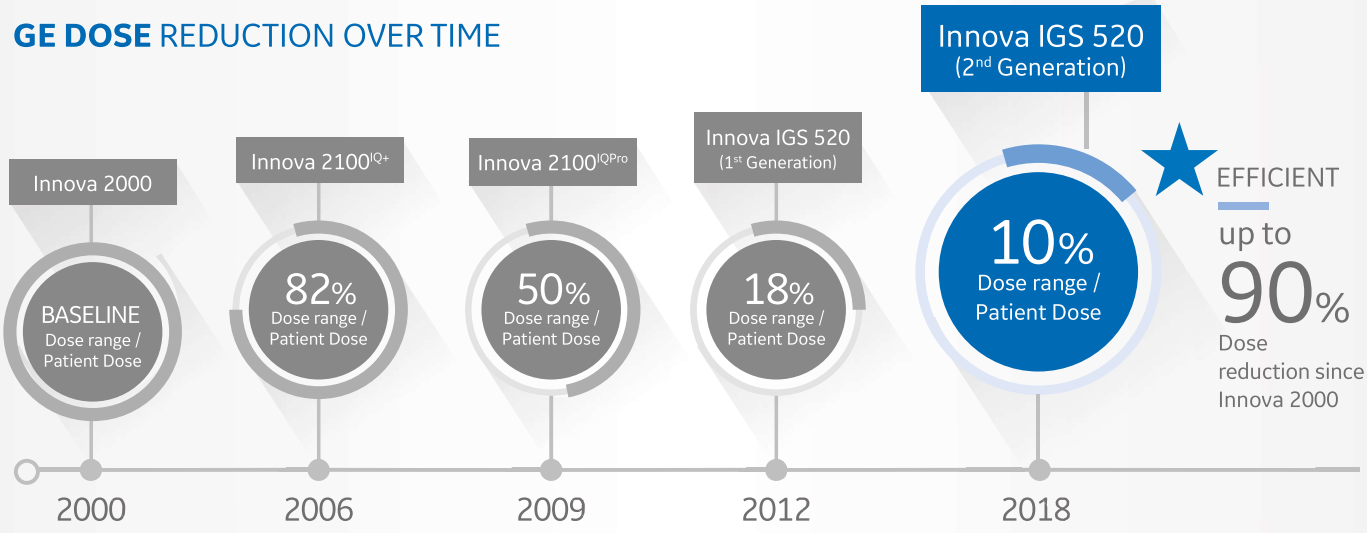
TAVI WITH VALVE ASSIST 2

- -30% dose[3]
- -38% contrast media volume[4]

LAAC WITH VALVE ASSIST 2

- -28% procedure time[5]
- -25% fluoro time[5]
- -78% contrast media[5]

GE DOSE REDUCTION OVER TIME



Introduction of a new detector and new processing

- New generation of automatic dose exposure
- Dynamic 7,5 fps
- Improved tube performance
- Image noise reduction

Image quality improvement, with the same dose

- PCI ASSIST

1. Didier, R., et al., The utilisation of the cardiovascular automated radiation reduction X-ray system (CARS) in the cardiac catheterisation laboratory aids in the reduction of the patient radiation dose. EuroIntervention, 2016. 12(8): p. e948-e956
2. Euro17A-POS0652 Intra-procedural characterisation of estimated peak skin dose during PCI of CTO using a new patient dose mapping technology: the Dosemap studyMANGIAMELI A.(1), LEFEVRE T.(1), HOVASSE T.(1)(1) ICPS, Massy France
3. Overtchouk P, Sudre A, Delhaye C et al. Advanced image processing with fusion and calcification enhancement in transcatheter aortic valve implantation: impact on radiation exposure. Interact Cardiovasc Thorac Surg 2018.
4. Shafiq A, O'Hair DP, Allaqaband SQ, Ullah R, Nfor T, Bajwa T. TCT-353 Effect of a New Enhanced Fluoroscopy Technology (Valve ASSIST2) on Contrast and Radiation Use in Patients Undergoing Transcatheter Aortic Valve Replacement. Journal of the American College of Cardiology 2017;70:B145-B146.
5. Novel Integrated 3D Multi-Detector Computed Tomography and Fluoroscopy Fusion for Left Atrial Appendage Occlusion Procedures. Catheter Cardiovasc Interv 2017; Mar 17, DOI:10.1002/ccd.26998

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