

## Philips CardiacQuant Perfusion

# Motion-robust myocardial perfusion imaging for quantitative insights

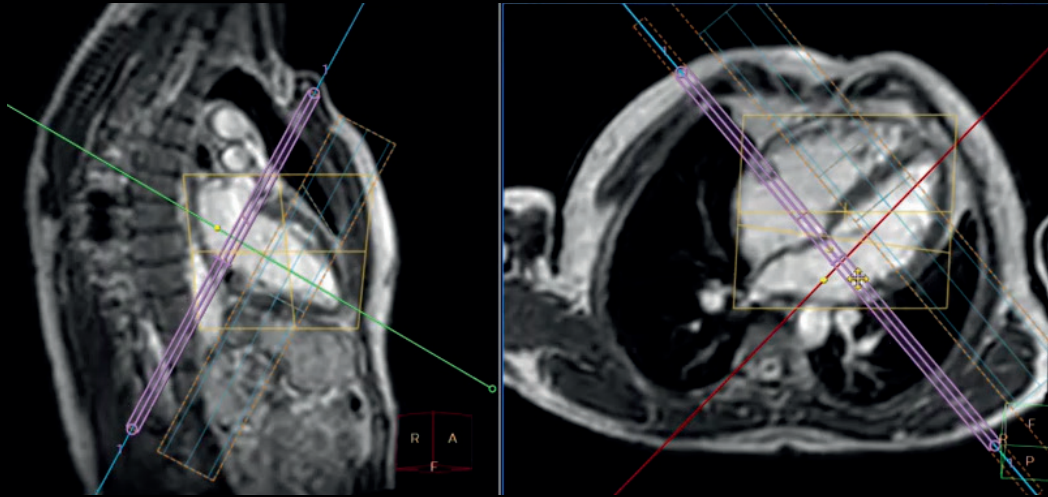
Philips CardiacQuant Perfusion enables single-bolus quantitative myocardial perfusion imaging. It automatically corrects for respiratory and cardiac motion with integrated Fast Elastic Image Registration (FEIR) motion correction, which helps to reduce motion between dynamics<sup>1</sup> and improve image quality. The solution delivers embedded Arterial Input Function (AIF) and proton-density-weighted images to support standardized measurement and quantitative classification of myocardial blood flow<sup>2</sup> in post-processing tools.

### Product benefits

- Enables single bolus quantitative perfusion
- Corrects for respiratory and cardiac motion and reduces motion between dynamics<sup>1</sup>
- Delivers Arterial Input Function (AIF) and proton density weighted images
- Supports standardized measurement and quantitative classification of myocardial blood flow<sup>2</sup> in post-processing tools

<b>Field strength</b>	1.5T and 3.0T
<b>Main applications</b>	Cardiac
<b>Image types</b>	AIF (Arterial Input Function) and proton density weighted images
<b>Speed</b>	Compatible with Compressed SENSE and SmartSpeed
<b>Workflow</b>	Compatible with SmartHeart CMR planning
<b>Image quality</b>	Integrated FEIR motion correction for respiratory and cardiac motion

# Philips CardiacQuant Perfusion



Dual sequence planning



Philips CardiacQuant Perfusion data processed with Circle CVI post processing software

1. Compared to without Cardiac Motion Correction.
2. SCMR Expert Consensus Statement on Quantitative Myocardial Perfusion.

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