PHILIPS

Philips High Bandwidth IR

Myocardial viability exam for patients with cardiac implants

High Bandwidth IR[1] is an inversion recovery technique that enables the reduction of off-resonance artifacts for metal artifact reduction and accurate myocardial scar assessment in patients with cardiac implantable electronic devices. It enables diagnostic image quality for cardiac late gadolinium enhancement (LGE) scans.

Product benefits

- Myocardial viability assessment
- Reduce susceptibility artefacts caused by cardioverter defibrillators and pacemakers

Field strength	1.5T, 3.0T
Main applications	Cardiac
Sequence	Late Gadolinium Enchantement (LGE)
Image types	Magnitude, phase and corrected phase images
Speed	Can be combined with the efficient Compressed SENSE or SmartSpeed imaging technology to provide superior speed performance.
Image quality	Reduce off-resonance artefacts caused by cardioverter defibrillators and pacemakers.

1. High Band with Inversion Recovery enables high bandwidth inversion pulse with the possibility to add a frequency offset. High bandwidth is at least 3.9kHz bandwidth

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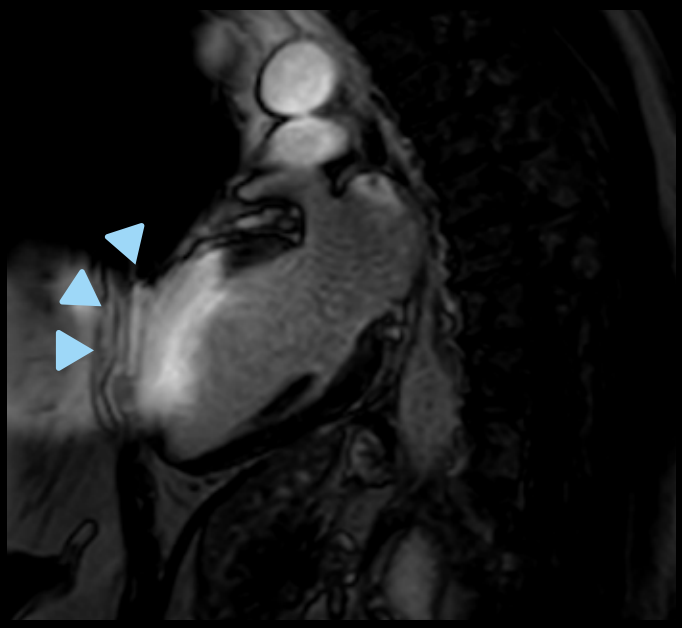
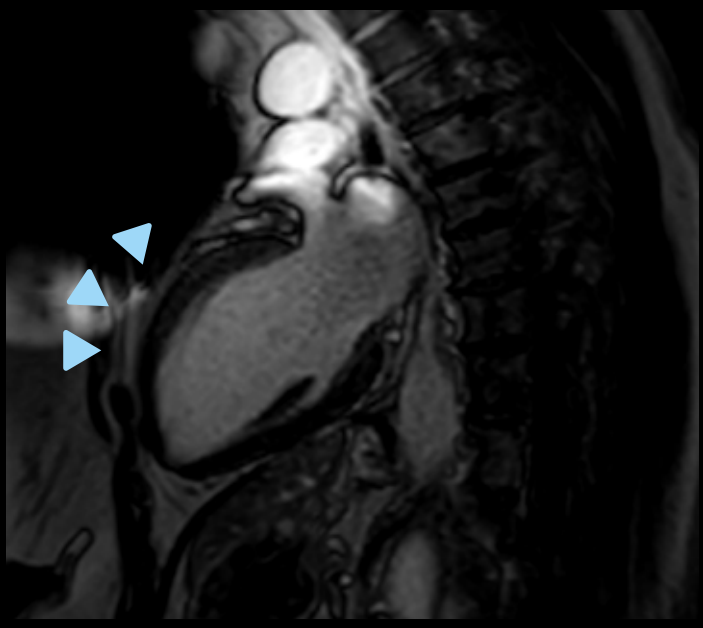


2D LGE **without** High Bandwidth IR
1.7 x 2.0 x 10 mm, 6 sec



2D LGE **with** High Bandwidth IR
1.7 x 2.0 x 10 mm, 6 sec

Courtesy: HELIOS Heart Center-University of Leipzig | Ambition 1.5T X

00000971-00-00 * MAY 2025

How to reach us
Please visit www.philips.com/mri