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3D ASL

MR Clinical application

Reproducible
contrast-free brain perfusion

3D ASL enables you to consistently quantify brain perfusion with an accuracy of 15%[1] in a non-contrast manner with full brain coverage, and better background suppression[2]. Automated calculation of color coded ASL maps is included.

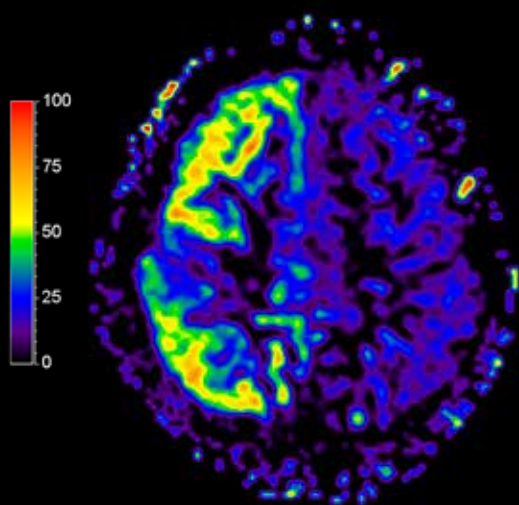1 Measured on a single Philips 3.0T system for the same volunteer
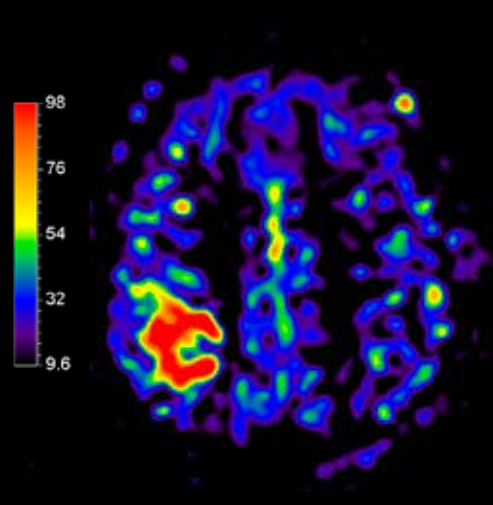2 Compared to our 2D pCASL method

3D ASL

Field strength	1.5T, 3.0T.
Main applications	Brain.
Sequence	Non-contrast perfusion.
Maps	Color coded ASL maps with a quantification bar.
Speed	Leverages the efficient dS SENSE parallel imaging technology to provide superior speed performance.[1]
Image quality	Optimal signal-to-noise due to dStream's digitization at the patient. Better background suppression.[2]

1 Compared to first generation SENSE.
2 Compared to our 2D pCASL method.

Axial 3D ASL
2.7 x 2.8 x 3.0 mm, 4:55 min
Ingenia 3.0T

Axial 3D ASL
3.7 x 4.0 x 4.0 mm, 5:06 min
Ingenia 1.5T
Courtesy: Kantonsspital Winterthur, Switzerland

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