Philips new 8-channel SENSE Head coil enables fast ultra-high-resolution imaging of the brain. The coil exploits the power of Philips unique FreeWave data acquisition system and SENSE parallel imaging technology. It offers extended coverage and ultra-high signal-to-noise ratio.

**Applications**
- Ultra-high-resolution brain imaging
- Faster comprehensive brain and MR angiography studies
- Diffusion and perfusion imaging

**Features**
- Ultra-high signal-to-noise ratio enables fast high-resolution scanning
- SENSE reduces scan time by up to a factor of 8
- Optimized coil design substantially increases signal-to-noise ratio in lateral and cortex areas
- Optimized for BOLD studies
- Designed for fast patient preparation
- Outstanding patient comfort enhanced by mirror and Patient Comfort Zone
8-channel SENSE Head coil

Benefits

- Fast high-quality imaging through dramatically increased signal-to-noise ratio
- Short scan times and high spatial resolution
- Enhanced image quality through reduced susceptibility effects in single-shot EPI sequences
- Increased patient throughput thanks to faster imaging and easier patient preparation
- A comprehensive brain examination can be performed in 1 minute

SENSE 3D T1-weighted TFE sequence with isotropic voxels. Left: original slice; Middle, Right: MPRs

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