The visor2 system is not available for sale in all countries, please refer to the associated visor2 specification documents or contact your local representative for details. https://www.ant-neuro.com/contact-us
Navigated TMS (nTMS) is a crucially accurate and reliable tool which can be used for a wide range of clinical and research purposes. This method is particularly valuable for non-invasive and precise delineation of cortical functional topography. The precise level of cortical delineation provided by nTMS highly contributes to appropriate surgical decision making. In addition to non-invasively identifying resectable brain tissue in or near the motor cortex, nTMS motor mapping has also been shown to contribute to safer application of radiotherapy in patients suffering from metastases in motor-eloquent areas of the brain. visor2™ integrates navigated TMS and EMG recording with real-time 3D visualization of stimulated brain areas, which optimizes the entire motor mapping process.

visor2™

Functional Motor Mapping

In visor2, evoked motor responses are projected onto the patients’ anatomical MRI to create functional maps relating to the relevant cortical areas. Supported by a real-time estimation of TMS-induced electrical fields, visor2 calculates and highlights targeted locations. The evoked motor responses are processed online and the calculated amplitude is projected onto an image of the stimulated cortical location to generate functional maps. The generated maps or single MEP responses can be exported to DICOM for use in surgical navigation systems.

Motor mapping session in online navigation mode.

An EMG response map is generated on the MRI and can be exported in DICOM format.