

Siemens receives CE mark for magnetic resonance scanner

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Siemens Healthineers has received CE-Mark for its ultra-high-field 7T magnetic resonance (MR) scanner Magnetom Terra, making it available for neurological and musculoskeletal clinical examinations in Europe.

In addition to detailed insights of the musculoskeletal system, Magnetom Terra's high spatial and spectral resolution enables imaging of metabolic processes in the brain, as well as visualisation of neurological diseases such as Alzheimer's, epilepsy, and multiple sclerosis (MS).

It is expected that the high-resolution of the scanner will provide clear pictures of brain lesions, including better white and gray matter differentiation in epilepsy and improved visibility in gray matter in multiple sclerosis.

Use of the new MR scanner will enable anatomical imaging of small pathologies and sub-cortical brain activation, while it will also aid the assessment of anatomy, function and metabolism of body tissue.

The scanner uses an actively shielded whole-body magnet that is manufactured at Siemens Magnet Technology in Oxford, UK, and is 50 per cent lighter than previous magnets.