



MAGNETOM Trio, A Tim System  
Taking 3T clinical power to the extreme.

SIEMENS





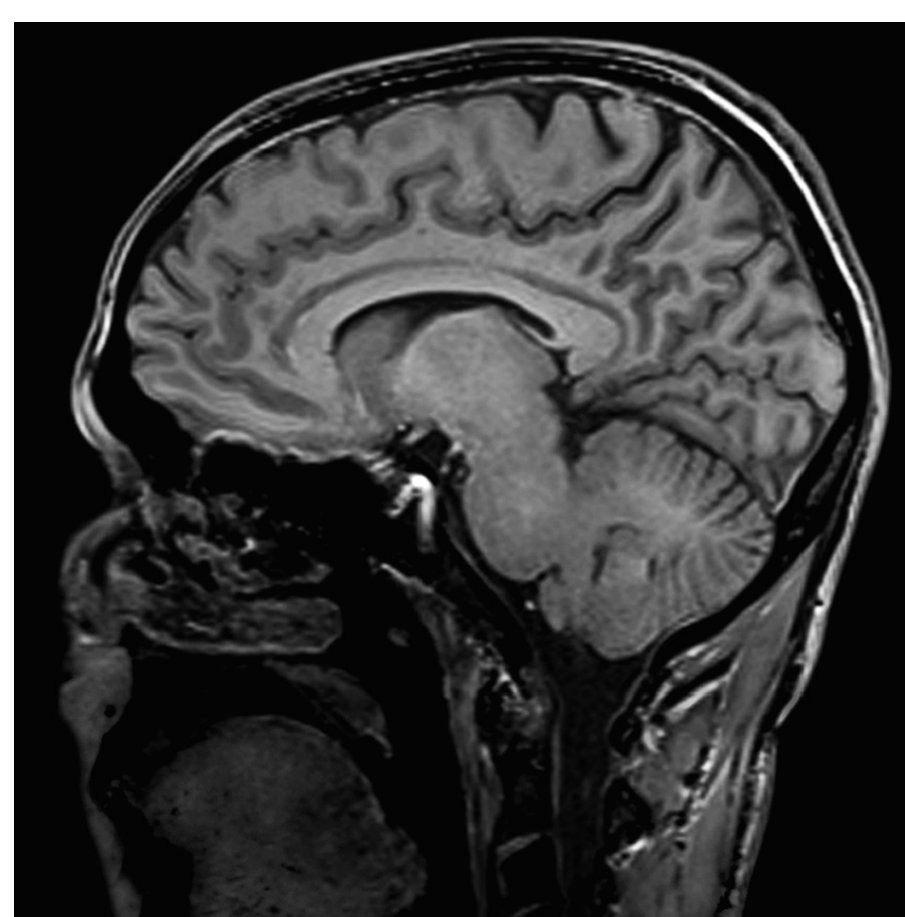
# MAGNETOM Trio, A Tim System Taking 3T clinical power to the extreme.



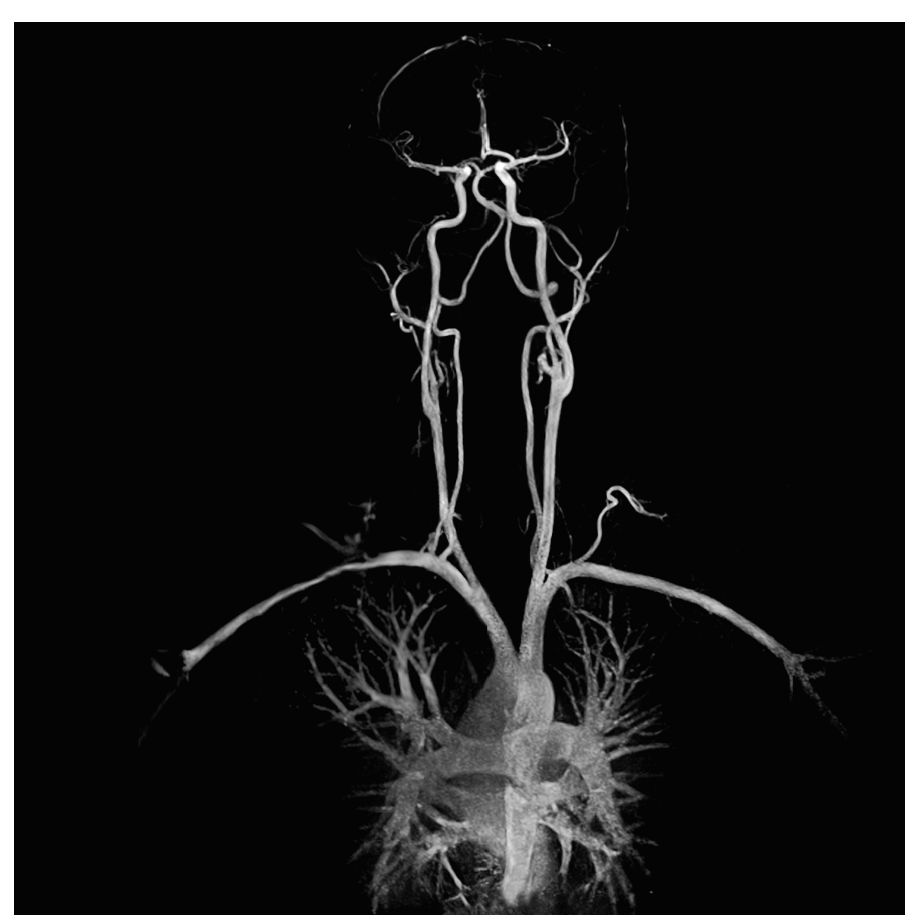
MAGNETOM Trio with Tim (Total imaging matrix technology). Everything you could want for the most demanding clinical practice. And everything you need to keep you at the forefront of research.

Tim makes MAGNETOM Trio the most reliable and extraordinary 3T system ever. You can perform a complete head scan in just 3 minutes or a routine knee protocol in under two minutes. Or do 3D abdominal imaging with sub-millimeter resolution in just 15 seconds. With MAGNETOM Trio, you'll enjoy amazing spatial resolution for clinical routine. And see exquisite details to help you plan more complex procedures. With its visualization of exceptional details, fine morphology and pathological findings, one can diagnose and evaluate response to treatment earlier than ever before. Additionally with Tim, patient setup and scan time is accelerated. There's no coil reconfiguration or patient repositioning. Imaging at one time, in one visit with highest patient comfort.

MAGNETOM Trio with Tim gives greater-than-ever diagnostic confidence, comfort, and ease. All in one 3T system. MAGNETOM Trio with Tim will have everyone smiling.



MAGNETOM Trio with Tim redefines the concept of time. Advanced Parallel Imaging techniques like iPAT<sup>2</sup> in combination with Tim's 3T Matrix coils and 32 RF channels enable PAT factors up to 16. So a scan that previously took one hour can now be completed in just a few minutes. That's the power of 3T and Tim. Together they redraw the boundaries of what's possible in clinical routine.



Tim + 3T + 50 cm FoV means MRA studies in a single step. From the top of the head to the lung in 20 seconds. This scan employed 24 seamlessly combined Tim Matrix coil elements to allow large coverage, highest efficiency and performance.



With 50 percent more Matrix coil elements, MAGNETOM Trio with Tim gives you higher SNR with ultrafast scans for uncompromised image quality. Achieve excellent T1 contrast in abdominal studies with the shortest ever breath-holds.



Tim technology combined with MAGNETOM Trio's 50 cm FoV enables imaging of the entire central nervous system without patient repositioning or coil reconfiguration. This composed two-step whole CNS study was acquired in less than four minutes, using 40 Tim Matrix coil elements.



With MAGNETOM Trio's Parallel Imaging capabilities, you'll appreciate what 3T can do in orthopedic studies. For example, VIBE with PAT 4 shows unmatched detail in just minutes.