

Tim Application Suite

Innovations in MRI – Standard with each Tim system

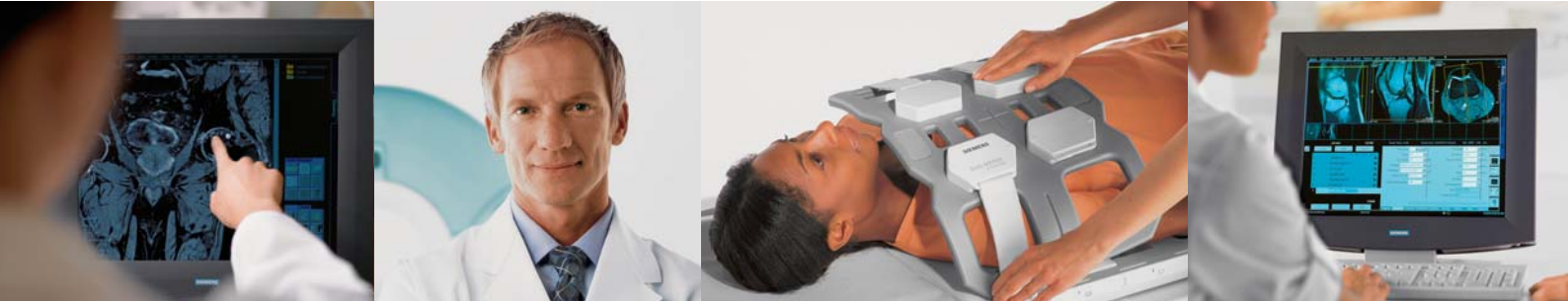
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Tim Application Suite

Innovations in MRI – Standard with each Tim system



Based on the revolutionary Tim technology, the Tim Application Suite contains 9 dedicated application packages. They provide a complete range of clinically optimized examinations for all anatomical regions.

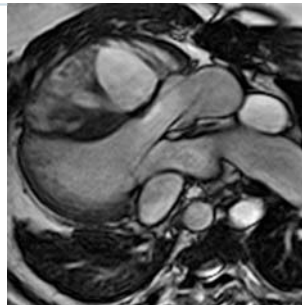
- Fulfilling the needs of clinical routine
- Including unique and innovative applications
- Delivered with each Tim system at no extra cost

Discover now selected highlights of the standard Tim Application Suite.

Tim Pediatric Suite includes

GRAPPA

GRAPPA can cut your scan time by a factor of 4. And only GRAPPA provides high temporal resolution in a small FoV as required for a pediatric cardiac scan.

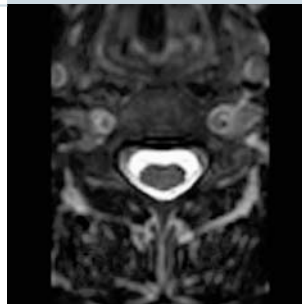


GRAPPA accelerates BEAT 2D Function. Pediatric cardiac exam. Situs inversus. Courtesy of UCLA, Los Angeles, USA

Tim Neuro Suite includes

SPACE

SPACE provides 3D imaging with contrasts not previously possible: like T2. And Parallel Imaging with GRAPPA makes SPACE fast. SPACE reduces the number of sequences you do, therefore saving time.



T2 SPACE, GRAPPA 3, wholeCNS, sagittal 3D scan allows reconstruction in all directions, MAGNETOM Trio a Tim system. Courtesy of Hong Kong Sanatorium & Hospital, Happy Valley, Hong Kong



Tim Ortho Suite includes

PD SPACE

The first ever proton density sequence in 3D. PD SPACE provides a high resolution 3D data set at the same scan time as multiple 2D scans – thanks to Parallel Imaging with GRAPPA.



PD SPACE sagittal and coronal reconstruction, water excitation, GRAPPA 2, effect. SL 0.6 mm, MAGNETOM Avanto. Courtesy of MRI Bremen-Mitte, Bremen, Germany

Tim Angio Suite includes

CareBolus

CareBolus is your real time visual contrast agent trigger. It supports accurate determination of the bolus arrival time and the "stop and continue" of the 3D ce-MRA protocol after the 2D bolus control scan.

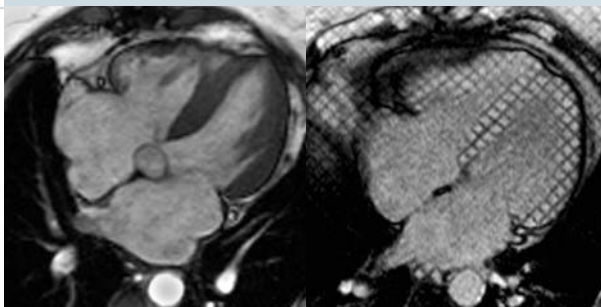


ce-MRA, GRAPPA 3, TA 17 sec, matrix 512, effect. SL 1.5 mm, MAGNETOM Trio. Courtesy of Hong Kong Sanatorium & Hospital, Happy Valley, Hong Kong

Tim Cardiac Suite includes

BEAT 2D

BEAT makes cardiac MRI simple. With the click of a mouse, you can change from breath-hold to free-breathing, and morphology to function.



BEAT 2D Function and Tagging, GRAPPA 2, TA 6 sec, infarct patient, MAGNETOM Avanto. Courtesy of St. Marien Hospital, Bonn, Germany

Tim Body Suite includes

2D PACE

2D PACE prospective motion correction makes body imaging simple. Without any respiratory belt or cushion it allows for free breathing during the scans as well as multi-breathhold examinations.

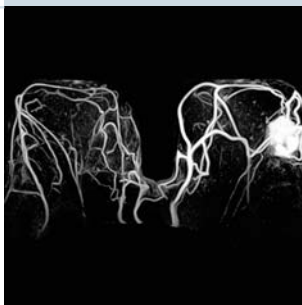


T2 SPACE MRCP, GRAPPA 3, 2D PACE, effect. SL 1 mm, TA 3:05 min, MAGNETOM Avanto. Courtesy of St. Vincent's Hospital, Melbourne, Australia

Tim Breast Suite includes

VIEWS

VIEWS offers Volume Imaging with Enhanced Water Signal: Fast bilateral 3D imaging with high spatial resolution and fat suppression. In any orientation.

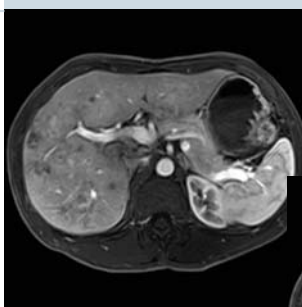


VIEWS, 3D imaging with GRAPPA 2, effect. SL 1 mm, TA 1 min, MAGNETOM Espree. Courtesy of Hoag Memorial Hospital, Newport Beach, USA

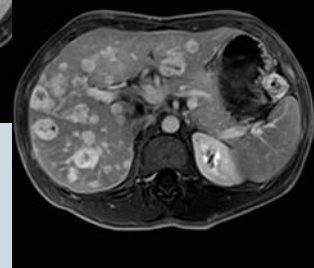
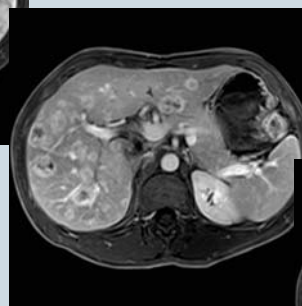
Tim Onco Suite includes

VIBE

Fast VIBE 3D protocols with GRAPPA and mSENSE provide dynamic MRI with high spatial and temporal resolution.



VIBE, dynamic liver imaging with GRAPPA 2, (arterial, venous, parenchymal phase), matrix 512, TA 19 sec, MAGNETOM Avanto. Courtesy of University Hospital Grosshadern, Munich, Germany



Tim Scientific Suite

Share your great results with others with the Scientific Suite. A tool box for recording and exporting of movies, screenshots, tables and statistics. The Scientific Suite provides T2 & T1 time evaluation, anonymizes function and media support like for USB stick, DVD, or CD. Standard with all Tim systems.

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