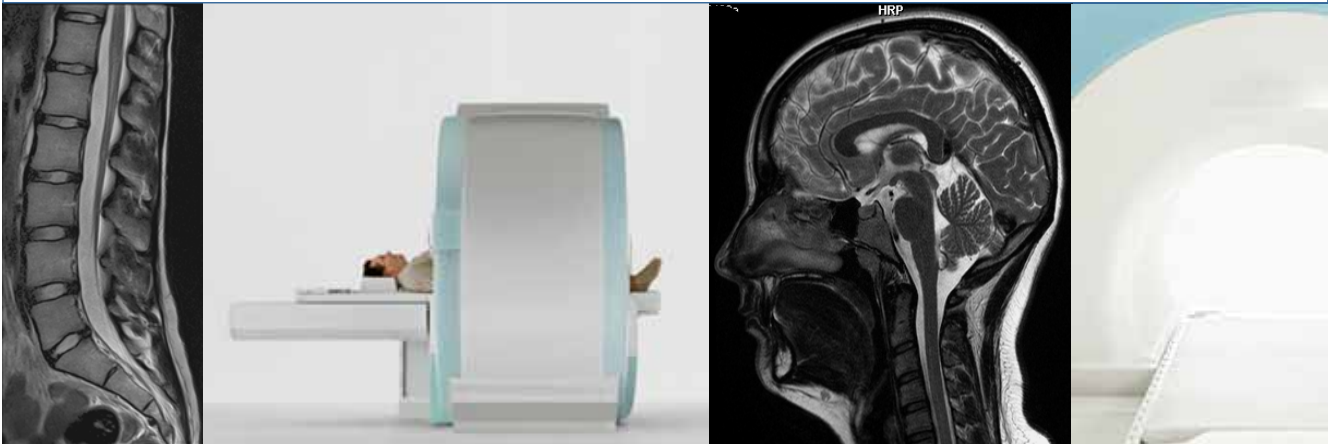


MAGNETOM Espree

The first Open Bore with Tim. Unprecedented patient comfort in 1.5T



MAGNETOM Espree

MAGNETOM Espree

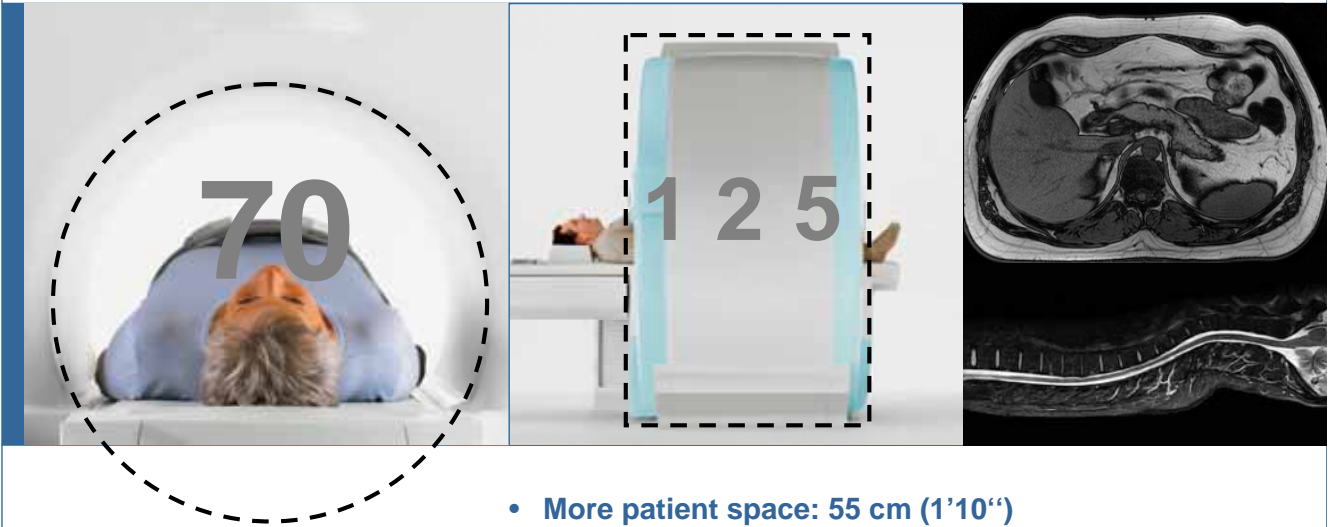
A **Tim** System



MAGNETOM Espree

The first and only Open Bore MR

70cm + 125cm + 1,5T

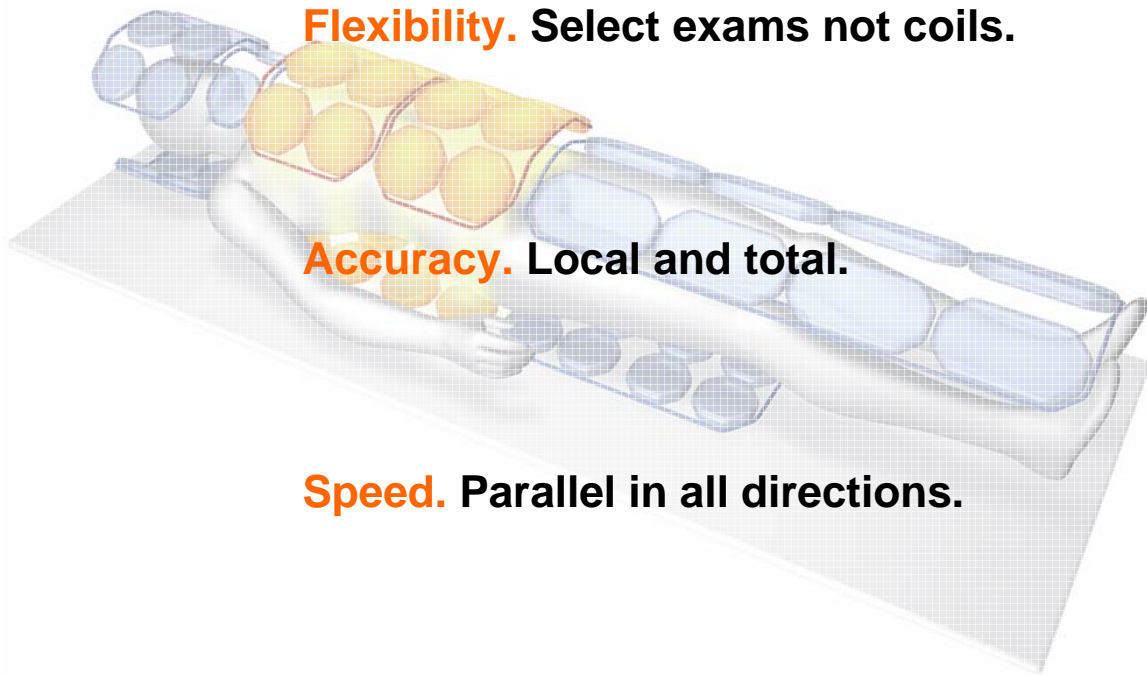
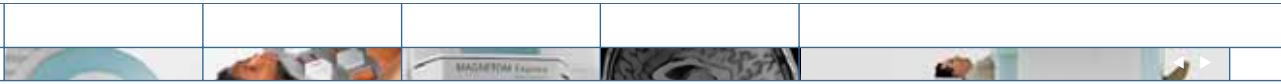


- More patient space: 55 cm (1'10")
- More head room: 30 cm (1')
- More outlook: 65° viewing angle
- And the most open lumbar scan in MRI

MAGNETOM Espree

Open Bore MR + Tim

MAGNETOM Espree



Flexibility. Select exams not coils.

Accuracy. Local and total.

Speed. Parallel in all directions.

MAGNETOM Espree

Flexibility

Build your own coil for special patient needs: obese, tall, pediatric +++ up to 250 kg (550 lbs) patient weight +++ horizontal and vertical table movement



T2 HASTE, liver tumor, cysts
Turville Bay MRI, Madison, WI, USA

MAGNETOM Espree

Accuracy

Excellent SNR with Matrix Coil +++ MRCP with complete visualization of the bile duct +++ Free breathing scan for optimal patient comfort

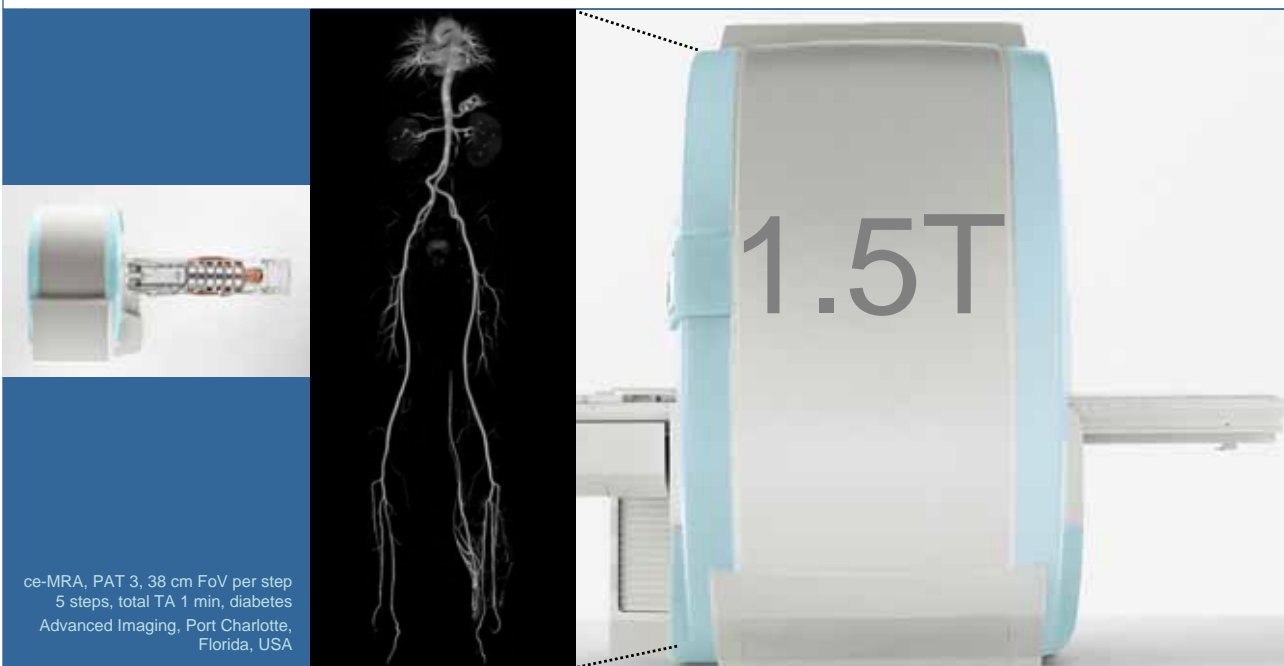


MRCP with 2D PACE and free-breathing. Complete visualization of the bile duct. Dedicated Medical Imaging, Santa Ana, CA, USA

MAGNETOM Espree

Speed

Parallel Imaging (PAT) 3 throughout the body +++ Just 1 minute total scan time +++ 1 x 1 x 1.5 mm³ spatial resolution



ce-MRA, PAT 3, 38 cm FoV per step
5 steps, total TA 1 min, diabetes
Advanced Imaging, Port Charlotte,
Florida, USA

MAGNETOM Espree

Ten Reasons why **MAGNETOM Espree** offers Excellent Patient Comfort

47 cm (1'7") low table height

1



950 gr (2.1 lbs) coil weight

2



distance to isocenter: 62,5 cm (2'1")

3



Feet First Exams

4



65° wide viewing angle

5



MAGNETOM Espree

Ten Reasons why **MAGNETOM Espree** offers Excellent Patient Comfort

55.5 cm (1'10") patient gap

6



30 cm (1') head room

7



Lumbar Spine Exams at 1.5 T with head outside

8



60% of anatomy can be performed head outside the magnet

9



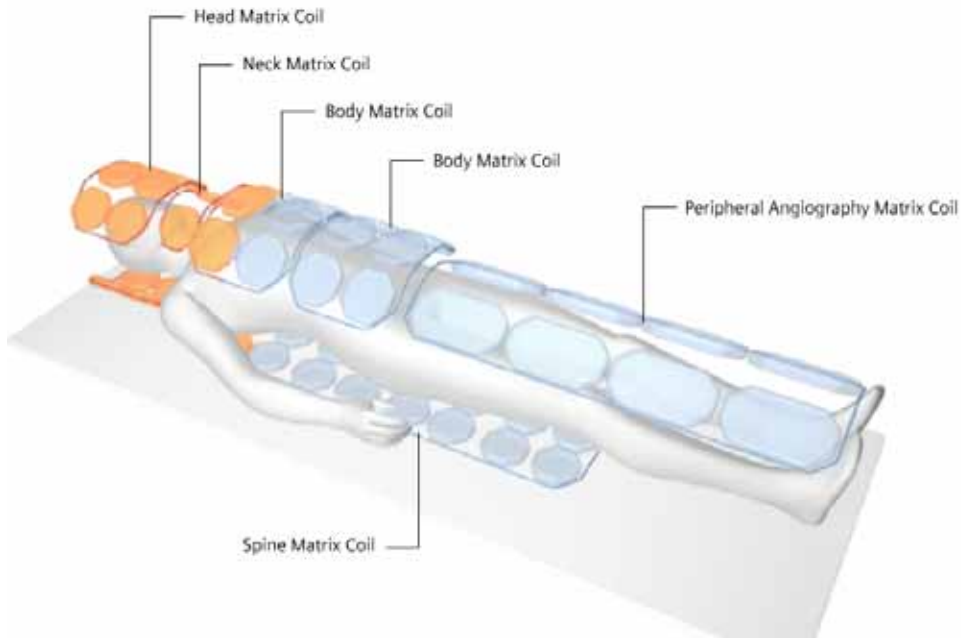
70 cm (2'3") patient bore

10



MAGNETOM Espree

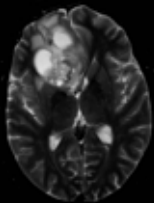
Tim. Total imaging matrix



MAGNETOM Espree

Tim Application Suite

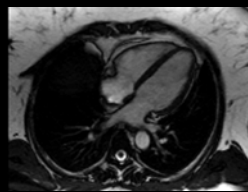
9 comprehensive application suites in standard



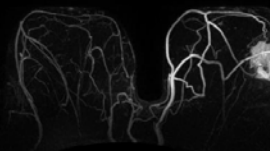
Tim Neuro Suite



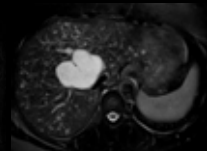
Tim Ortho Suite



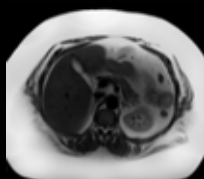
Tim Cardio Suite



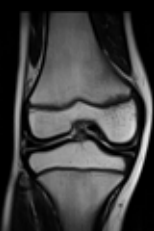
Tim Breast Suite



Tim Onco Suite



Tim Body Suite



Tim Pediatric Suite



Tim Angio Suite

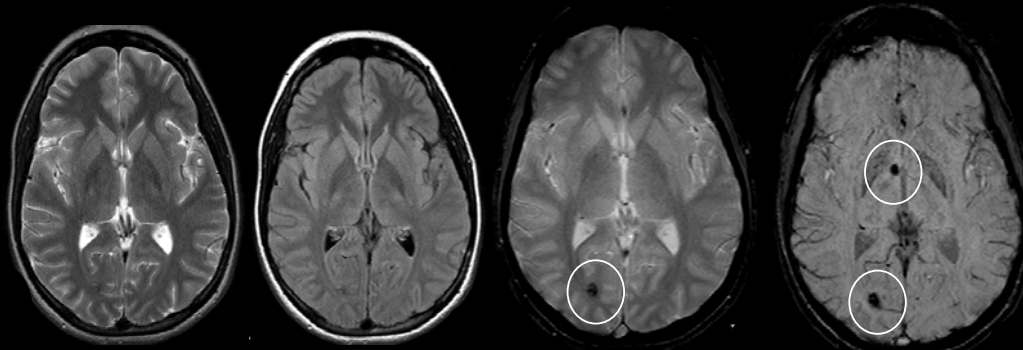


Tim Scientific Suite

MAGNETOM Espree

Tim Neuro Suite

High resolution in Neuro MR imaging



T2 TSE, 2:22 min

Dark Fluid, 3:08 min

T2* FLASH, 4:02 min

SWI, 2:57 min

- Enhanced lesion conspicuity with Susceptibility Weighted Imaging
- SWI with GRAPPA for short scan times

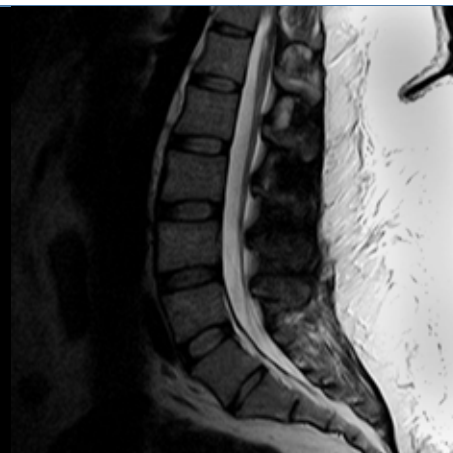
MAGNETOM Espree

Tim Neuro Suite

High resolution in Neuro MR imaging



T2 TSE Restore, 465 lbs
United Medical Park, Waterloo, IO, USA

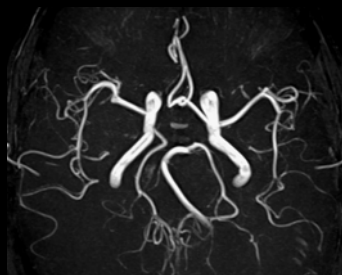


- Open Bore MRI with MAGNETOM Espree
- Patient's head out for 60% of anatomy including L-spine

MAGNETOM Espree

Tim Angio Suite

Short exam times and large FoV



- ToF MRA, 224 x 512 matrix, 4 slabs x 2:16 min
Laurel Highlands Adv. Imaging, Johnstown, PA



- GRAPPA 2, TA 24 s
Mayo Clinic Jacksonville, FL



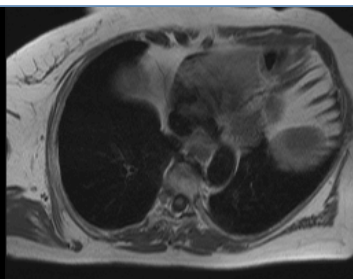
- GRAPPA 2, TA 19 s
CRG & MRI Open Bore, Cheyenne, CO

- Time of Flight MRA – without contrast agent – benefiting from the high SNR of the Head Matrix coil
- 3D ce-MRA in a single breath-hold with iPAT

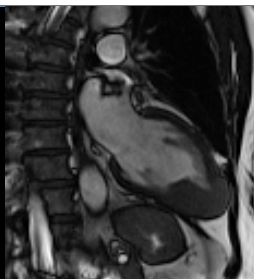
MAGNETOM Espree

Tim Cardiac Suite

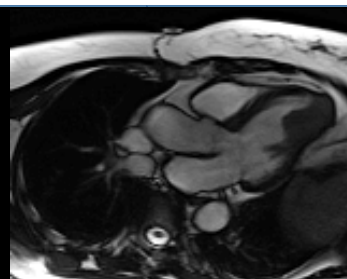
Obesity & Heart disease



- Morphology
- Dark Blood HASTE
PAT 2 with GRAPPA
Cardiac tumor



- Cardiac function
- TrueFISP cine retro, PAT 2 with GRAPPA, TA 6 s
- MRI Bremen-Mitte, Bremen, Germany

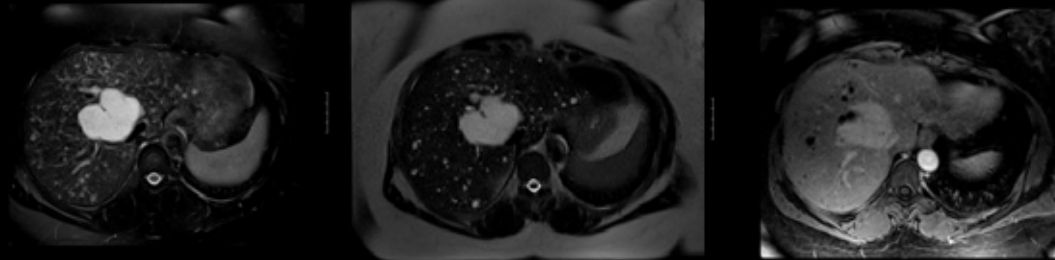


- Obese have three fold higher risk to die from heart disease
- No limitation of the viewing angle as in echoHigh temporal resolution with Parallel Imaging (iPAT) in any slice orientation with Tim
- High temporal resolution with Parallel Imaging (iPAT) in any slice orientation with Tim

MAGNETOM Espree

Tim Body Suite

Fast dynamic tumor evaluation



- T2 TSE with FS, T2 HASTE and VIBE 3D liver imaging
- Turville Bay MRI, Madison, WI, USA

- Patient comfortable exam with ultra-light weight Body Matrix Coils (900 gramm)
- Dynamic imaging with 3D VIBE: 512 matrix and TA 28 s
- MAGNETOM Espree: open for all patients up to 550lbs/250kg

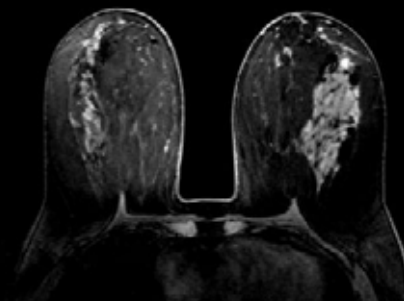
MAGNETOM Espree

Tim Breast Suite

Women's Health



- Feet-first positioning with the Breast Matrix coil



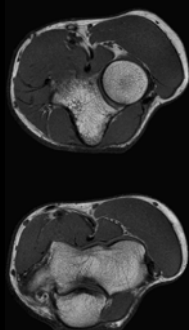
- 3D VIBE, 448 matrix, TA 1:09 min
- Advanced Imaging Port Charlotte, Florida, USA

- Feet-first breast imaging with the new Breast Matrix coil
- The 70 cm bore accommodates even larger women
- Breast Coil can be placed without Spine Matrix for larger patients

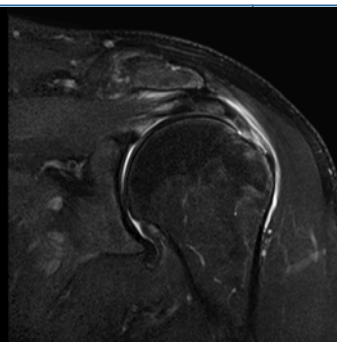
MAGNETOM Espree

Tim Ortho Suite

Excellence in orthopedic imaging



- Elbow scan with 0.2 mm resolution



- Shoulder scan with 0.5 mm resolution
- Turville Bay MRI, Madison, WI, USA

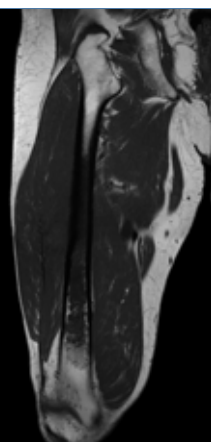
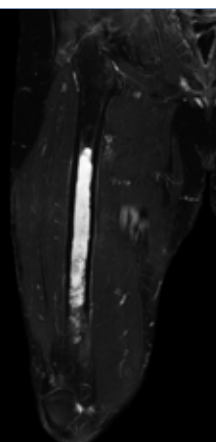


- Homogeneous off-center fat saturation
- Ultra-high spatial resolution
- Benefits from the power of 1.5T in Open Bore MRI

MAGNETOM Espree

Tim Ortho Suite

Excellence in orthopedic imaging



- wholeBONE, tumor case
- Mayo Clinic Jacksonville, FL, USA

- Expand your Field of View – wholeBONE imaging in 2 steps
- Flexible combination of 2 Body Matrix and Spine Matrix coils
- Bone tumor case

MAGNETOM Espree

Patient Perspective

„I will never be claustrophobic in this one“

Claustrophobic acceptance like vertical field open systems - but now with 1.5T IQ!

More than 97% patient acceptance

Access to most advanced exams for all patients – frequently the first time in their life

Serve new patients

Serve the obese patients up to 250 kg (550 lbs) - currently unseen by most practices

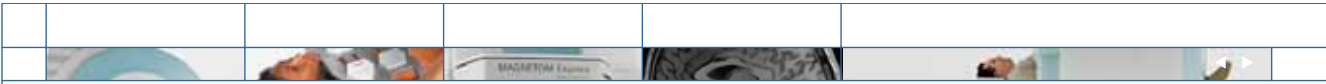
MAGNETOM Espree

MAGNETOM Espree

A **Tim** System



MAGNETOM Espree



**Thank you for your
attention.**