Paving the way for precision medicine in MRI

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A long history of firsts – Together with our partners

A look back to 2003
The First magnetic resonance system ...
... to automatically adapt to patients and their biology.
The challenge in MR imaging – Patient biology and its variability

Our goal
Consistent imaging for each and every patient

The challenge?
We are all different
What if we could anticipate critical physiology?

Challenge 1
Patient physiology
What if we could adapt to patient anatomy?
What if we could *accelerate* patient interactions?

**Challenge 3**

Patient interaction

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510(k) pending. The product is still under development and not commercially available yet. Its future availability cannot be ensured.

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The challenge for standardization – Patient biology and its variability

Challenge 1
Patient physiology

Challenge 2
Patient anatomy

Challenge 3
Patient interaction

510(k) pending. The product is still under development and not commercially available yet. Its future availability cannot be ensured.
Introducing a paradigm shift.
BioMatrix Technology

510(k) pending. The product is still under development and not commercially available yet. Its future availability cannot be ensured.
BioMatrix Technology
Automatically overcome the challenge of variability

Anticipate Patient physiology
Smart sensors reduce exam complexity

Adapt to Patient anatomy
Intelligent coils increase consistency

Accelerate Patient interaction
Intuitive body model improve cost-effectiveness

BioMatrix Sensors
BioMatrix Tuners
BioMatrix Interfaces
Introducing the first system.
MAGNETOM Vida
The first BioMatrix System

Most powerful system
Optimized lifecycle costs
Patient friendly

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MAGNETOM Vida
Most powerful system – 60/200 gradients at 11,000 HP

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MAGNETOM Vida
Optimized lifecycle costs with energy-efficient technologies
MAGNETOM Vida
Patient-friendly design and free-breathing applications

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MAGNETOM Vida – The first BioMatrix system
Intelligent and automated
BioMatrix leads core innovations in MRI towards precision medicine

**Anticipate**
- Smart detection systems

**Intelligent data**

**Adapt**
- Machine learning

**Standardized results**

**Accelerate**
- Intelligent workflows

**Cost efficiencies**

**Population Health Management**

**Clinical decision support**

**Precision Medicine**
The long history of firsts – Continues, here in Tübingen
MAGNETOM Vida
The first BioMatrix System

The First magnetic resonance system...
MAGNETOM Vida
The first BioMatrix System

... to automatically adapt

to patients and their biology.