Medis
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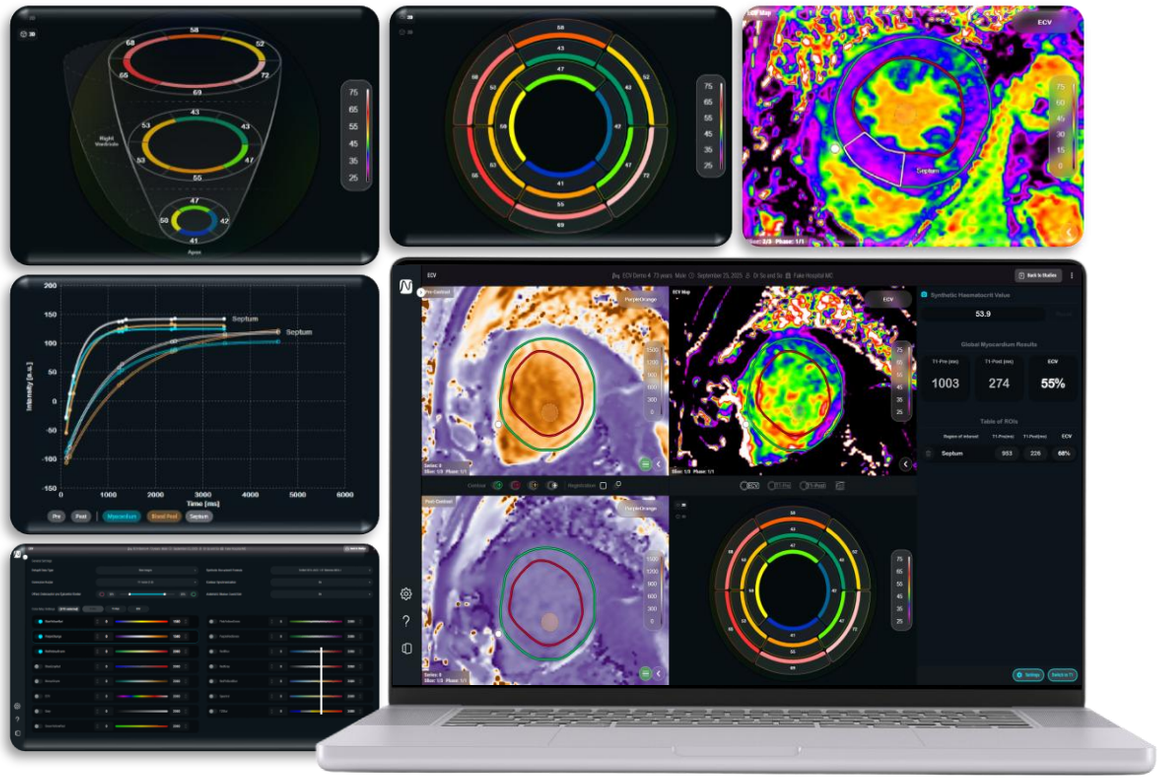
Simply accurate.

Medis Suite MR

Advanced Cardiac MR. Simplified. Scalable.



A comprehensive, time-saving and validated solution for Cardiac MR post-processing.

Try it now

EUKON
Future Healthcare Now

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Cardiac diagnostics made simple.

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Why Medis Suite MR?

Designed to make advanced CMR simple, more accessible, efficient and scalable.

Cardiac MR has become an essential imaging modality across the cardiovascular care pathway. As examinations become more comprehensive and quantitative, there is a need for simple, fast and accurate post-processing.

Medis Suite MR simplifies advanced analysis while preserving the scientific depth clinicians expect.

SCIENTIFIC FOUNDATIONS

- 35+ years of CMR innovation
- Trusted globally by leading centers
- Clinically validated solutions (6,000+ studies)

USER-CENTRIC WORKFLOWS

- Intuitive user experience
- Standardized workflows
- Faster onboarding

INTELLIGENT AUTOMATION

- Automated analysis
- Reduced manual effort
- Consistent and reproducible results

CONTINUOUS INNOVATION

- Ongoing R&D investment
- Unique innovative parameters (HDF, PV Loops, Inward displacement)
- Next-generation platform, future-ready architecture

Built on decades of cardiovascular MR expertise. Designed for the future of CMR.

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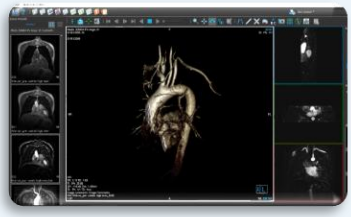
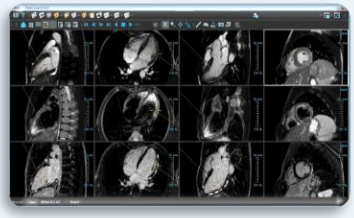
One workflow. Complete Cardiac MR analysis.

Unified analysis from acquisition to clinical insights.

ANATOMY

Visualize cardiovascular anatomy in 2D and 3D.
Chambers, valves, vessels and morphology.





FUNCTION & FLOW

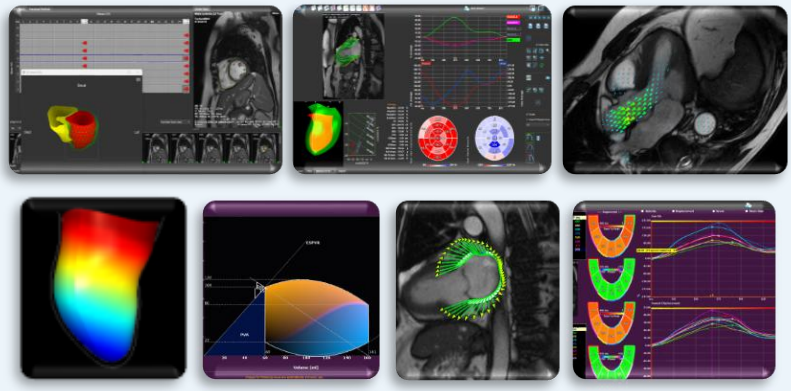
Comprehensive assessment of cardiac performance

STANDARD ANALYSIS

- Global & Regional Function
- LV, RV, LA, RA Strain
- 2D & 4D Flow

ADVANCED PHYSIOLOGICAL INSIGHTS

- Hemodynamic Forces[1]
- PV Loops[1]
- Atrial Strain
- Inward Displacement



TISSUE CHARACTERIZATION

Comprehensive tissue analysis

- T1/T2/T2* Analysis & Mapping
- ECV[2]
- Late Gadolinium Enhancement
- Semi-quantitative Perfusion

Built for everyday clinical practice.

[1] *For research use only in*
[2] *The ECV functionality is for research use only in CE countries.*

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Intelligent automation for Faster and more Reproducible MR Analysis.

Evidence supporting routine adoption of AI-assisted cardiac MR quantification.

LVEF measurements can vary across operators, software tools and workflows. These differences can impact clinical decisions, patient classification and follow-up assessments.

Consistent and reliable quantification is essential in routine practice.

THE IMPACT OF AI-ASSISTED QUANTIFICATION
(QMass 8.1)

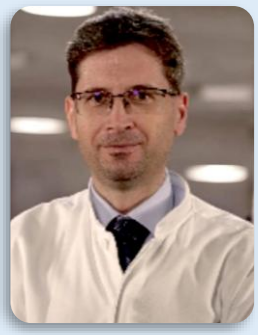
70% faster analysis	Higher reproducibility	Lower variability

AI-Assisted quantification improves efficiency and reproducibility

	MANUAL ANALYSIS	AI-ASSISTED ANALYSIS	IMPROVEMENT WITH AI
Interobserver Variability *Intraclass Correlation Coefficient (Range, LVEF)*	0.913 – 0.971	0.968 – 0.984	Higher agreement
Intraobserver Variability *Coefficient of Variation (Operator A)*	3.5%	1.0%	Lower variability
Analysis Time *(Median)*	Baseline	~70% faster	Significant time savings

https://onlinecjc.ca/article/S0828-282X(26)00116-9/abstract

Trusted by leading cardiovascular MR experts.



***Medis Suite MR** is automated but also gives the flexibility to interact.*

Prof. Attila Toth
GOKVI (Gottsegen György Országos Kardiovaszkuláris Intézet)
Budapest, Hungary

GOKVI Gottsegen György Országos Kardiovaszkuláris Intézet

***Medis Suite MR** has increased our ease of use, saved us a lot of time, and consequently increased the quality of clinical reporting.*

Prof. Robin Nijveldt
UMC Utrecht
Utrecht, Netherlands

UMC Utrecht

*The Medis machine learning with AutoQ contours is absolutely fantastic, **a real game changer and a huge time-saver**.*

Dr. Russell Bull
Royal Bournemouth Hospital
Bournemouth, United Kingdom

NHS

With a fast, intuitive workflow Medis Suite MR **accelerated our CMR post processing in clinical routine and science**.

Dr. Dietrich Beitzke
Medizinische Universität Wien
Wien, Austria

MEDIZINISCHE UNIVERSITÄT WIEN

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Medis Suite MR packages.

Choose the right solution for your clinical and research needs.

FEATURES	ESSENTIAL Core capabilities. Essential for every lab.	ADVANCED More insights. More confidence.	PREMIUM PLUS Complete analysis. Maximum insights
Visualization & Review *(Viewer, 3D Viewer, MPR)*	✓	✓	✓
Reporting	✓	✓	✓
Connectivity & Automation	✓	✓	✓
Function Global	✓	✓	✓
2D Flow	✓	✓	✓
Delayed Signal Intensity	✓	✓	✓
Time Signal Intensity		✓	✓
Mapping (T1, ECV, T2/T2*)		✓	✓
Function Regional		✓	✓
Hemodynamic forces (RE)	*Available as optional add-on*	*Available as optional add-on*	✓
Strain & Inward displacement	*Available as optional add-on*	*Available as optional add-on*	✓
4D Flow	*Available as optional add-on*	*Available as optional add-on*	*Available as optional add-on*
PV Loops	*Available as optional add-on*	*Available as optional add-on*	*Available as optional add-on*
Support & Updates	✓	✓	✓
	Ideal for centers looking **core MR** analysis to support **daily clinical needs**	Ideal for **growing CMR programs** seeking **advanced tissue characterization and analysis**.	Ideal for **expert centers and research environments** that demand the **highest level of analysis**.

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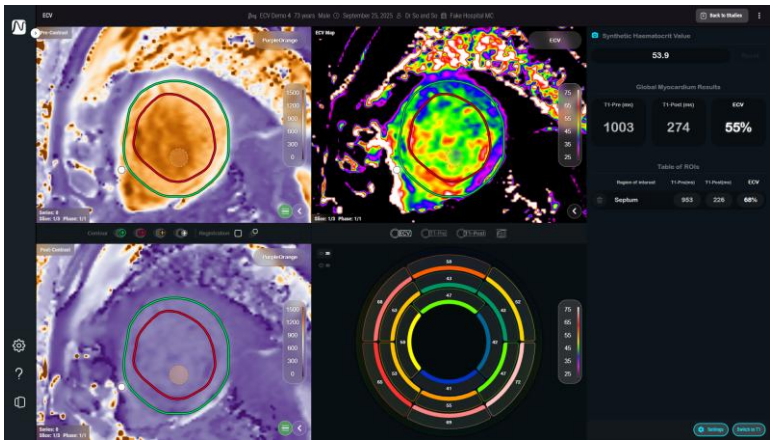
NEW Next-generation T1 & ECV Mapping[1]

Designed to make advanced tissue characterization faster, simpler, and more accessible.

Built on decades of cardiovascular MR expertise and shaped by customer feedback, T1 & ECV Mapping is the **first Medis Suite MR application redesigned** on our next-generation software architecture.
It works seamlessly alongside existing Medis Suite MR applications while introducing a **modern user experience** and establishing the **foundation for future innovations across the suite**.

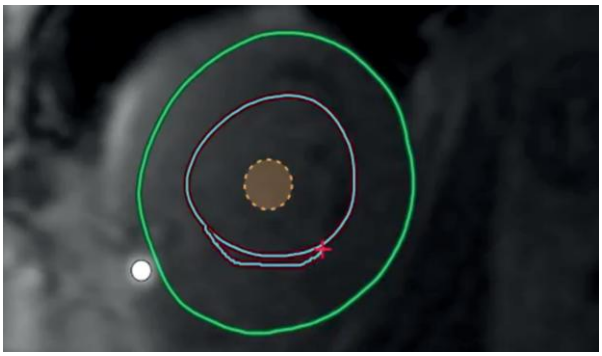
Release highlights

- Efficient ECV calculation without blood sampling through **synthetic hematocrit computation**
- **Streamlined workflow** for efficient tissue characterization
- **Intelligent automation** with transparent clinical review
- Advanced tissue quantification with **customizable, easy-to-interpret visual outputs**, supporting greater confidence in image interpretation



Automated T1 & ECV measurements with minimal user interaction

- Fully automated T1 & ECV Mapping
- Automatic motion correction and co-registration
- Synthetic hematocrit enabled ECV
- No blood sampling required

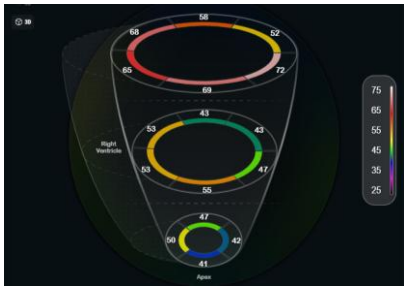


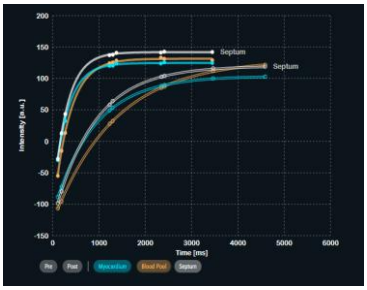
Transparent review tools combining automation with clinician oversight

- Easy manual adjustment
- ROI-based quantitative analysis
- Transparent quality control

Advanced quantification and intuitive visualizations

- Global and regional T1 & ECV values
- Interactive bullseye visualization
- Seamless reporting workflow





[1]*The ECV functionality is for research use only in CE countries.*

Legal Statements
Medis Suite MR is based on image processing algorithms, developed at the Division of Image Processing, Department of Radiology, Leiden University Medical Center, the Netherlands.
Medis is a registered trademark of Medis Associated BV.
Medis Suite MR has market authorization in the EU, US, UK, Switzerland, Australia, Japan, Korea, KSA, Brazil and Indonesia.

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