

QFR

Medis' Functional Angiography Solution

EXPLORE THE FEATURES

- No invasive pressure wire, no adenosine
- Accurate 3D length and diameter measurements
- Optimized clinical interface based on user feedback
- Physiological assessment of one or more lesions at the same time
- Optimal viewing angles for visualization of lesion areas
- Applicable:
 - online and/or offline
 - in diagnostic cases and diagnostic labs
 - pre-, during-, and post-PCI
 - for all coronary vessels

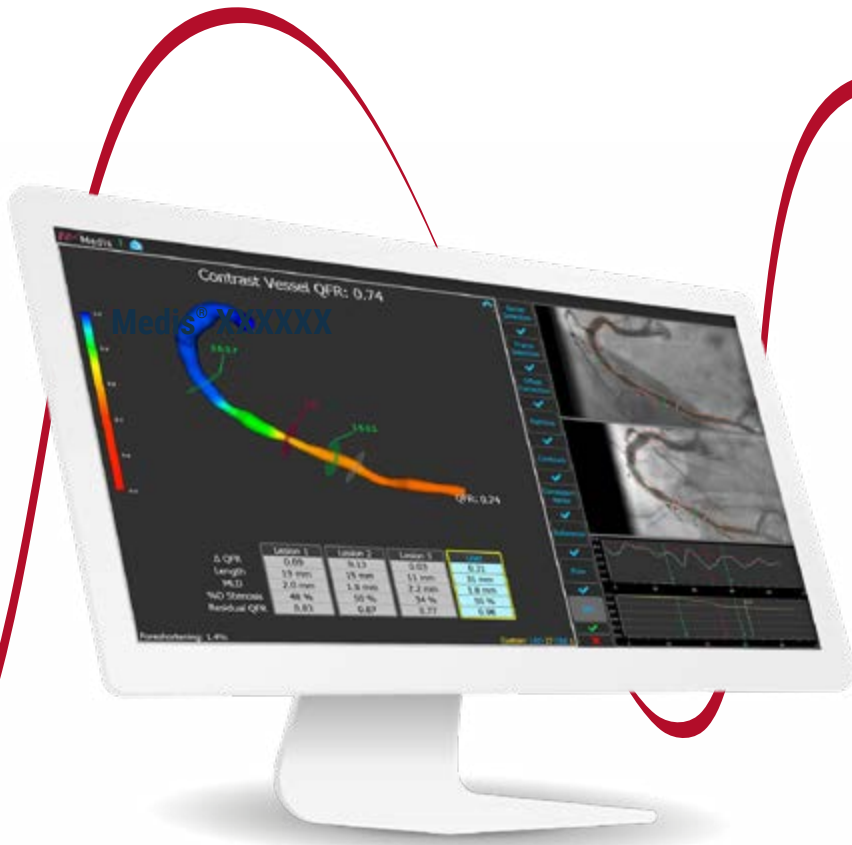
QFR HAS BEEN STUDIED ON PATIENTS WITH DIFFERENT TYPES OF DISEASES SUCH AS:

- Non-culprit lesions in ACS and STEMI patients
- Diabetes and chronic kidney disease
- Small vessel disease

QFR IS CALCULATED FROM 3D QCA ACCORDING TO DIFFERENT FLOW MODELS:

- Fixed flow QFR (fQFR), using fixed flow velocity
- Contrast QFR (cQFR), using contrast frame count in angiogram, without hyperemia
- QFR pullback curve along the analyzed vessel segment
- Two QFR indices: Vessel and Δ QFR per lesion





WHAT IS THE 3D QCA ANALYSIS?

- Can be applied to monoplane and biplane acquisitions
- Accurate offset correction between the projections
- Calibration based on Isocenter data
- Efficient Acquisition Guide suggesting optimal viewing angles for second acquisition
- Automatic 2D and 3D contour detection and quantification
- Calculation of optimal viewing angles for subsequent treatment
- Calculation of lesion foreshortening
- Automatic ED phase selection in ECG
- Easy wizard for intuitive guided workflows

WHAT OUR CUSTOMERS SAY

'Since the installation of QFR in my cathlab, I no longer use wire FFR anymore.'

Dr. Jean Fajadet
Clinique Pasteur,
Toulouse, France

'I'm a strong believer this technology adds invaluable parameters to the diagnostic angiogram. This will move us to one test that will give us all the information.'

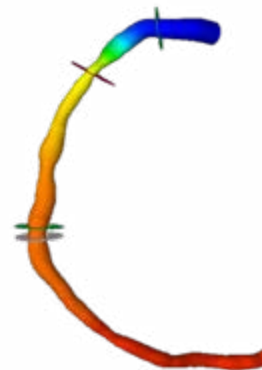
Andreas Baumbach | Professor
Chair for Device Innovation,
Queen Mary University of London, UK

'QFR it is a robust technology and it provides good diagnostic data and guiding information.'

Dr. Niels Holm, Aarhus University, Denmark

REPORTING

- Detailed and adjustable reporting
- All analysis results can be saved and reloaded again for reviewing or editing
- Results and screenshots can be exported in different formats (DICOM, xml, pdf, jpg, bmp, png)



Legal Statements

Medis and QFR are registered trademarks of Medis Associated BV.
QFR is delivered by Medis in a strategic collaboration with Pulse Medical Imaging Technology (Shanghai) Co., Ltd.

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