myQA® Daily

easy, efficient, and accurate morning QA

myQA® Daily
easy, efficient, accurate by design

myQA Daily is the only solution for fast, easy, and high-quality morning Linac QA. The largest number of ionization chambers provides more beam data for more accurate beam quality verification. The web-browser-based myQA Daily application allows flexible test execution from any network PC or tablet and easy access to test results.

Workflow simplicity

myQA Daily is optimized for your independent daily QA efficiency. The complete morning QA is typically completed in less than 5 minutes, from detector setup to measurement to test result:

1

1-minute easy setup
- Simple setup of the detector on the treatment couch
- Connection to the network application via Wi-Fi or Ethernet cable

2

Beam-triggered measurements
- The detector is waiting for the beam
- Automatic measurements of all beam energies in a single test run

3

Instant results
- Immediate and automatic processing of the measurements
- Instant display of pass/fail test result

4

Test analysis and archiving
- Test results and optional comments are stored centrally for in-depth reviews, trend analysis, and reporting.

1-minute setup & morning QA workflow

Watch the workflow efficiency video

power on, automatic Wi-Fi connection

125 ionization chambers

provide the largest amount of measured beam data of any available daily QA device. This means a more accurate morning QA and trend analysis of dose output, flatness, symmetry, center, field size, and energy.

High-resolution centerline measurements

The 31 ionization chambers for each centerline offer greater beam measurement accuracy, especially in the penumbra regions. This allows a finer analysis of daily beam characteristics as well as earlier detection of suspicious trends.

Energy constancy checks

Dedicated ionization chambers with integrated absorber material automatically verify the photon and electron energy constancy – all with the same beam and detector setup. There's no need to manually add buildup material, to change the setup, or to flip the detector.

Field size flexibility

The detector layout provides the flexibility to perform daily QA tests with standard $20 \times 20\,cm^2$ or smaller $10 \times 10\,cm^2$ beams.

Light field check

Field size markers permit easy verification of the light field's conformity with the radiation field.

Wireless connectivity

The real-time Wi-Fi data exchange and rechargeable battery allow wireless daily QA setup and measurements. The cable-free design enables a convenient workflow and makes it easy to use at multiple Linacs.

Rechargeable battery

Instant results at your fingertips

The server-based myQA Daily software application is the backbone of seamless morning QA checks. The software easily guides the user through just a few steps. Integrate your daily QA measurements in your myQA Machines software.

User-friendly software

Imagine starting your day using software that's as simple and fast as your weather app.

The myQA Daily software is operated easily in a web browser from any workstation, laptop, or tablet PC that's connected to your hospital network! Integrate your daily QA tests in myQA Machines.

Easy daily QA test interface
- Your specific daily test run automatically ready.
- "One-click" test execution with guided workflow.
- Single test run automatically for multiple energies.
- Instant analysis and results view (pass/fail), incl. display of 1D profiles and graphical 2D map.
- Add additional checklist tests, e.g. "Door Interlock", or "Audiovisual Monitoring."
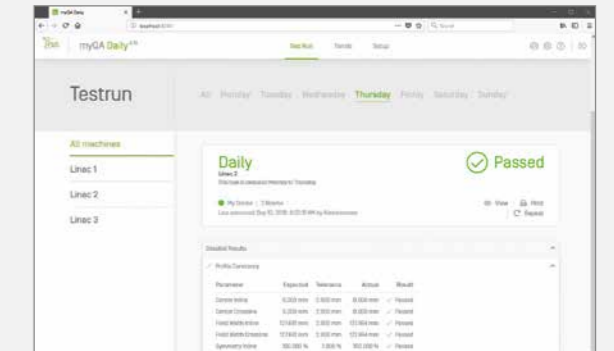
Intuitive overview of the accuracy of all tests. Each test result can be verified in a detailed view compared with the expected result.
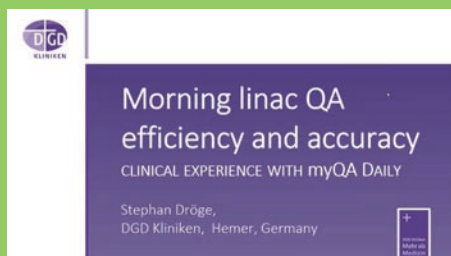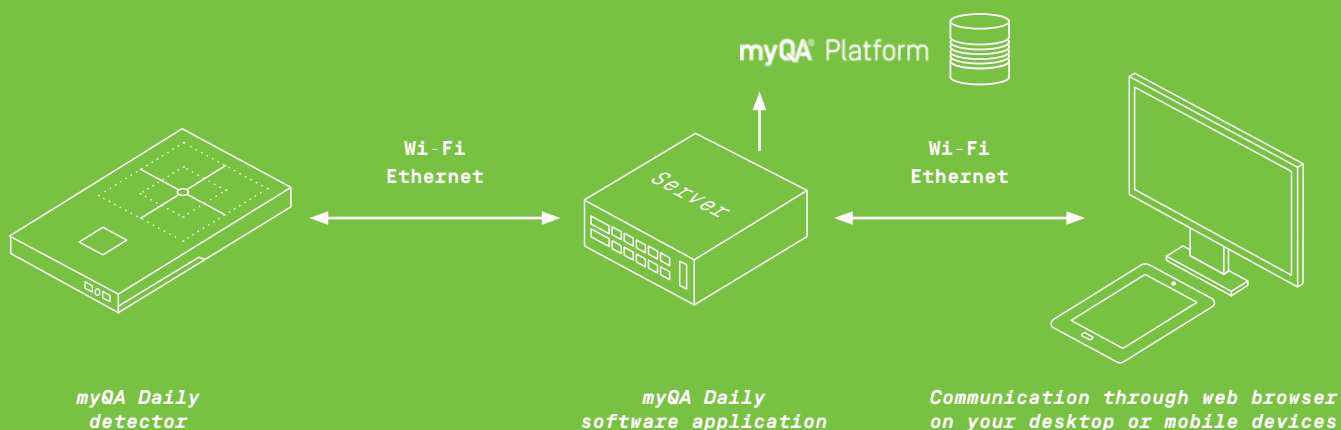
Advanced review and admin interface
- Comprehensive analysis of the daily measurements incl. trend analysis.
- Easily configure site-specific test runs, and manage admin rights incl. optional secondary approvals.
- All test data automatically documented in the central database, accessible from anywhere in the network.
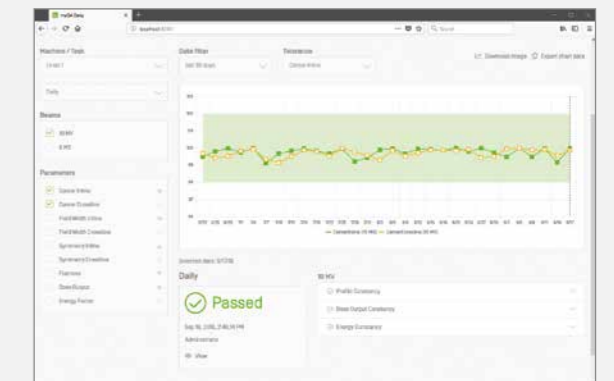
Verify each test parameter in a comprehensive trend analysis, and detect negative trends before your Linac fails.
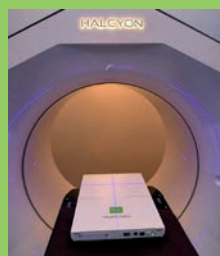
The server-based software enables easy and fast integration into an existing IT infrastructure. Furthermore, you can execute tests and review your results on any device. Integrate your daily QA measurements in myQA Machines.

myQA® Platform

Wi-Fi
Ethernet

Server

Wi-Fi
Ethernet

*myQA Daily
detector*

*myQA Daily
software application*

*Communication through web browser
on your desktop or mobile devices*

Morning linac QA efficiency and accuracy
CLINICAL EXPERIENCE WITH myQA DAILY

Stephan Dröge,
DGD Kliniken, Hemer, Germany

myQA Daily User Experience

Watch the clinical presentation

myQA Daily Compatibility

Morning QA for all standard Linacs and for the Varian® Halcyon™ / Ethos™ Systems [1]

Sensor design	
Detector dimensions	560 x 60 x 320 mm³
Type of detectors	125 ionization chambers, carbon electrodes
Energy verification	Built-in attenuation material
Inherent buildup	6.0 mm ABS
Performance	
Photons	Co-60 to 25 MV; For flattened and un-flattened beams
Electrons	4 MeV to 25 MeV
Dose rate	minimum 0.3 Gy/min, maximum 24 Gy/min
Dose/pulse	Max. 0.3 cGy/pulse
Connectivity	
myQA Daily detector	Ethernet or Wi-Fi connection to the server; additional LAN port
myQA Daily software	Ethernet or Wi-Fi connectivity to the server via the hospital network
Electrical	
Power	Battery and ext. battery charger 9V DC power supply [included]
Software	
myQA Daily software/database	Installed centrally on a server or on a PC, web browser application via network workstation, or tablet PC
Supported Languages	English, French, German, Spanish, Italian, Portuguese, Brazilian Portuguese, Russian, Chinese, Japanese, Korean

IBA Dosimetry

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