

Additional clinical workload due to IQM:



IQM CALC is a Windows Service

IQM Calculator is implemented as a fully automated Windows Service Fully automated background process triggered by the DicomRT Plan export

IQM Calculator automatically calculates the expected signal for each individual beam segment and stores it in the IQM database

Import and calculation are initiated by the export of the plan parameters from the TPS PS exports DicomRT Plan data files to a shared folder



IQM Calculator automatically imports the DicomRT Plan files and stores them in the IQM database

IQM Calculator automatically calculates the expected signal for each individual beam (segment)

IQM Calculator automatically stores the calculation results in the IQM Database

IQM works fully automatically

IQM Monitor synchronizes patient loading with Linac control console



The inner corridor displays the area of (normal) expected fluctuation during a treatment day of the Linear Accelerator

The outer corridor separates acceptable deviations from potentially harmful deviations Plan is loaded at control console of the Linear Acellerator



IQM Monitor automatically applies user-defined tolerances to the expected signal

Verification has never been easier.

The entire verification process doesn't require any user interaction



IQM automatically measures the delivered radiation segment-by-segment

> IQM displays these tolerances as corridors

Treatment plan parameters are verified fully automatically and in real-time during the patient treatment



IQM Detector measures the treatment dose fully automaticall

IQM Monitor compares the measured signal against the expected signal fully automatically in real-time

Patient treatment has never been safer.

IQM Monitor automatically compares the measured signal against the expected signal segment-by-segment



in real-time.

For the first time, verification results are available while the treatment is still ongoing

IQM Monitor fully automatically creates a report and inform the user via e-mail about the monitoring



Comparison shows a significant deviation IQM Review allows patient specific post treatment review of monitoring results

IQM Review is license-free and can be installed on any control unit (with access to the IQM database) in the RT department

IQM Review displays multiple monitoring results for additional analysis and trending purposes

Measurements may be compared against calculated expected results or against other measurements Additional reports may be created in Review, or data may be opened in Excel for further processing

Results are displayed graphically and as data tables with absolute and relative deviations

IQM Review Independent post-treatment review tool for trending and reporting

See IQM in action

Contact us at info@i-rt.de or Call us at +49 261 915450

More information is always available at www.i-rt.de



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