STANDARD IMAGING®

LINACVIEW

INTEGRATED MONITORING QA

Effortless Quality Assurance for every
fraction of every treatment

READY WHEN IT COUNTS

LinacView runs in the background ensuring that treatments are delivered according to prescribed treatment plans. When a clinically-relevant delivery problem occurs, LinacView sounds an alert automatically. A dashboard and comprehensive analysis tools help you to quickly understand the cause and impact of the event.

PRETREATMENT QA

Know the quality of a treatment plan before it's delivered and make logfile analysis part of the patient record. Billing compliant (77301).

QA DURING PATIENT TREATMENT

Assess the delivered plan quality without user intervention and before the patient leaves the couch.

ADAPTIVE WORKFLOW QA

Options for daily closing of plan of the day to perform unique and automated QA for adaptive workflow. This feature supports Elekta Unity and Varian Halcyon workflow.
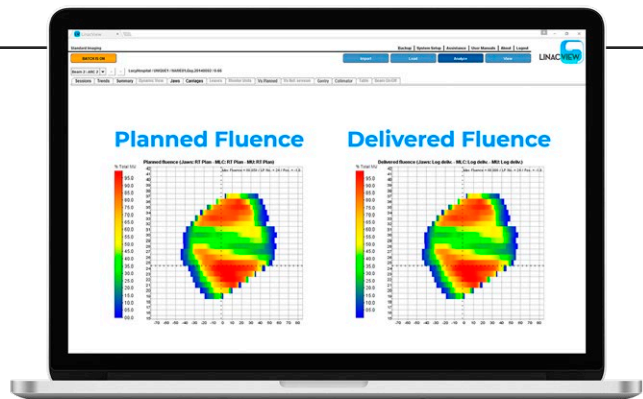
TWO TYPES OF QA IN ONE PRODUCT

LinacView separates quality assurance into two levels:

Clinically-Relevant QA

- Fluence Comparisons
- Gantry and Collimator Angles
- Plan Specific MU
- Beam Off Lags

An audible alarm sounds and notifications are sent to physics staff along with an informative report. RT plans are automatically generated for optional 3D calculations using your own treatment planning system.

Machine Performance QA

- Carriages, Jaws, Leaves
- Table Positions
- Monitor Unit Rate

No alarm or notifications. Used to predict future machine maintenance needs.

LINACVIEW

PRINCIPLES OF OPERATION

- LinacView has algorithms that compare machine logfiles to DICOM RT Plans.

CENTRAL AUDIBLE ALERT

- When any machine sends a logfile to LinacView that shows clinically-relevant errors, an alert will sound (also notifications by email or text will occur).

DAILY/SUMMARY RT PLANS

- LinacView can automatically generate summary RT Plans from daily or "composite" logfile data. This can be useful at the end of treatment or during treatment if a delivery error occurs. These RT Plans can be configured to reimport into your treatment planning system. Dose can be recalculated using the same algorithm as was used to create the plan. Your physician can then compare results in a familiar environment.

IMPROVED PRE-TREATMENT QA

- When you do pre-treatment QA, LinacView will get logfiles and analyze them. If your results from your planar dose analysis device are not satisfactory, you can check them against LinacView which will tell you how accurately your plan was delivered. You can also use LinacView's Modulation Complexity Score to evaluate the relative complexity of your plan. Billing compliant (77301).

FULLY CUSTOMIZABLE

- Almost every aspect of LinacView can be customized including tests to be executed, alert and error thresholds, physicist notifications, user permissions, display parameters, report generation, and RT plan generation.

SUMMARY

- To use LinacView, you only need to add two steps to your workflow: 1) sending approved RT Plans to the LinacView folder, 2) analyzing results if a delivery problem is identified. Since the vast majority of treatments are delivered without error, LinacView will not normally affect your clinical workflow.
- LinacView may be used with Varian and Elekta linacs and all major treatment planning systems.

ADDITIONAL FEATURES

- Monitor one or more machines at once
- Produce PDF performance reports
- Compare fluences using difference indices
- Store results in a database for anytime access.
- Requires internet, but no additional hardware!
- Evaluate your plan complexity

LINACVIEW SOFTWARE/COMPUTER REQUIREMENTS

OPERATING SYSTEM — Windows 10 - 64-bits Recommended

RUNTIME ENVIRONMENT — Java 8 x64

PROCESSOR — Intel i7 - 2.5 GHz or greater

MEMORY — 4 GB free RAM or greater

HARD DRIVE — 50 GB

SCREEN RESOLUTION — 1920 x 1080 or greater

LOCAL AREA NETWORK / INTERNET ACCESS — Required

SPEAKERS — Allow audible alerts, if desired

Memory requirements assuming 15 to 30 IMRT treatments per day are 15 – 180 Mb/Day. LinacView is compatible with logfiles from Varian and Elekta linacs. Windows® is a registered trademark of Microsoft Corporation. Specifications subject to change without notice.