

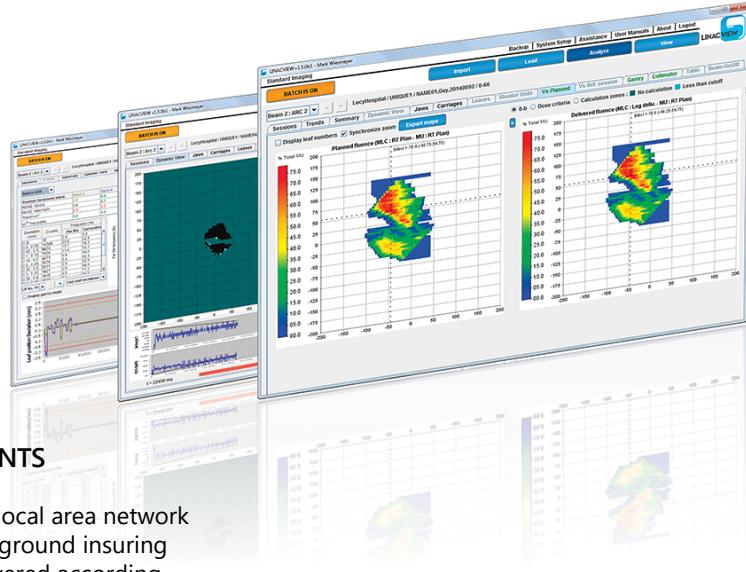
LinacView



OIS
Oncology Imaging Systems

LinacView QA SOFTWARE

Effortless machine Quality Assurance for every fraction of every treatment



READY WHEN IT COUNTS

LinacView runs on your local area network and watches in the background insuring that treatments are delivered according to prescribed treatment plans. When a clinically relevant delivery problem occurs, LinacView sounds an alert and automatically notifies your physics staff via email or text that an event has occurred. A dashboard and comprehensive analysis tools help you to quickly understand the cause and impact of the event.

PRE-TREATMENT QA

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

QA DURING PATIENT TREATMENT

Know the impact of the delivered plan without user intervention and before the patient leaves the couch.

TWO TYPES OF QA IN ONE PRODUCT

LinacView separates quality assurance into two levels:

Clinically-Relevant QA

- Fluence Comparisons
- Gantry and Collimator Angles
- Beam Off Lags

An audible alarm sounds and notifications are sent to physics staff.

Machine Performance QA

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

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

Principles of Operation

LinacView has algorithms that compare machine logfiles to DICOM RT Plans. When you approve a new plan, you automatically send its RT Plan to a folder accessible to LinacView. As logfiles are created, they are automatically sent from your treatment machines to another folder by a service. LinacView watches both folders and matches logfiles to RT Plans for analysis.

Central Audible Alert

The key to using LinacView with little change in your clinical workflow is to install it on a computer that is centrally-located. 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).

Summary RT Plans

LinacView can create summary RT Plans from "composite" logfile data. This can be useful at the end of treatment or during treatment if a delivery error occurs. These new RT Plans can be reimported into your treatment planning system where 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.

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!

Full Customisable

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

In 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 can be used with Varian and Elekta linacs and all major treatment planning systems.



LINACVIEW SOFTWARE SPECIFICATIONS

OPERATING SYSTEM	Windows 7 (SP1) Windows 8.1 Windows 10 64-bits Recommended	HARD DRIVE	1 GB free space for initial software installation. 25% free space Recommended.
RUNTIME ENVIRONMENT	Java 6, 7, or 8	SCREEN RESOLUTION	1280 x 800 1440 x 900 Recommended
PROCESSOR	Quad Core, 2 GHz Core i5 Recommended	INTERNET ACCESS	Required
MEMORY	32-bit OS: 2 GB, 4 GB Recommended 64-bit OS: 4 GB, 8 GB Recommended		



OIS is the distributor for Standard Imaging in the UK & Ireland.

OIS
Oncology Imaging Systems

+44 (0) 1825 840633
sales@oncologyimaging.com
www.oncologyimaging.com