Stop Waiting for LINACs to Fail.

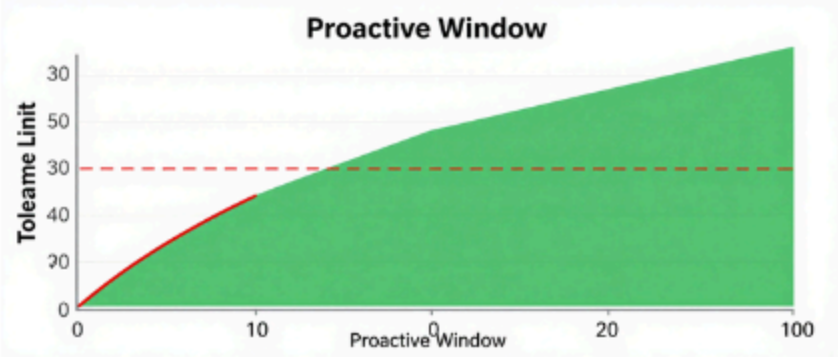
The world's first Physics-Constrained Predictive Analytics engine for Linear Accelerators. Transition your radiotherapy clinic from Fail-then-Fix to Predict-and-Prevent.

www.mdarge.com

Turning QA Data into Predictive Power.

Within Tolerance Today.
Out of Compliance Tomorrow.

A typical annual or monthly test only verifies your LINAC at a single point in time. If a critical beam symmetry or dose constancy parameter registers a deviation just under the baseline margin today, it technically registers as a pass.



The 11-Month Blind Spot

If that parameter actively drifts past the tolerance ceiling just 30 days after your annual test, your team will continue treating patients using an out-of-tolerance machine for the next 11 months without ever realizing it.

The End of the Fail-then-Fix Era.

Pocket QA shifts your clinic from reactive firefighting to proactive, individualized QA driven by global intelligence.

Tailored Schedules:
AI dynamically optimizes your QA frequency based on your LINAC's specific mechanical characteristics and wear patterns.

Root Cause Isolation:
Mathematically distinguish phantom setup noise from actual machine degradation, eliminating false alarms.

Global Benchmarking:
Compare your LINAC's health and QA level against thousands of machines worldwide to continuously elevate patient care.

Not a Black Box.
A Physics-Constrained Engine.

Pocket QA is powered by a robust mathematical engine built specifically for medical physics, blending advanced statistical analysis with the real-world mechanical limits of your LINAC.

Separating Drift from Noise

By combining hard-coded physical limits with unstable deviation detection, we confidently separate daily human setup variations from actual mechanical drift.

The Individualized Fingerprint

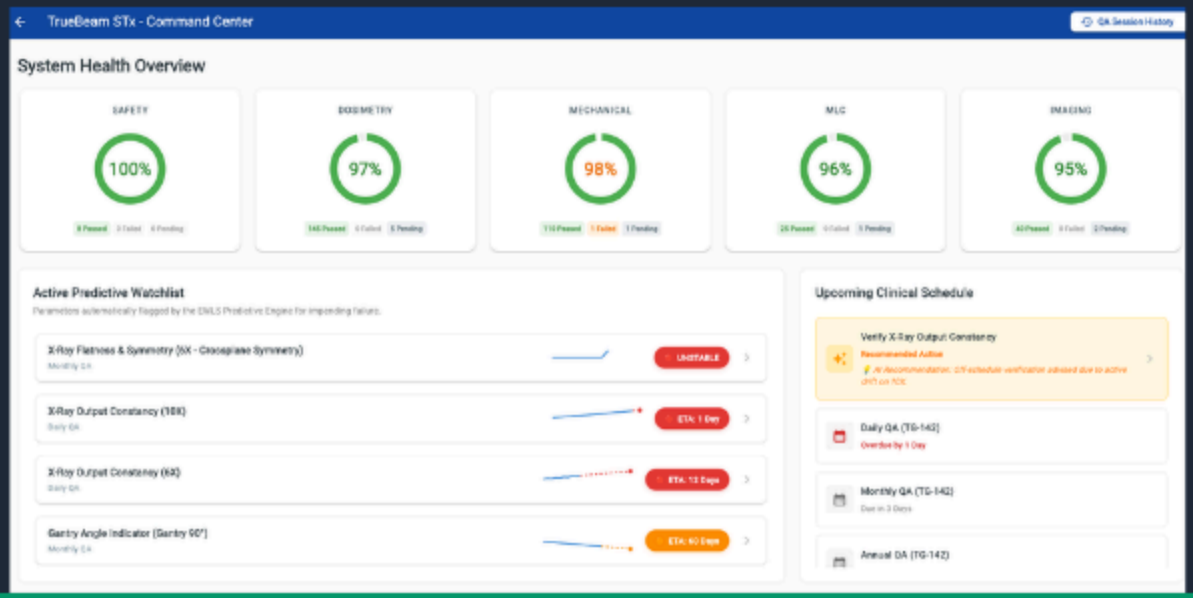
Establish a personalized stability baseline to create a custom QA schedule tailored to your LINAC's exact health profile.

Empirical Fleet Benchmarking

Using Bayesian Updating, Pocket QA blends your local machine data with global fleet telemetry to objectively elevate treatment quality.

Continuous QA Tracking: 300+ Measurement Points. Zero Surprises.

A modern LINAC requires continuous oversight. Pocket QA silently monitors the trend velocity of over 300 measurement points in the background. Your team only sees the Predictive Watchlist — highlighting active drift with precise ETAs and recommending specific proactive tests before a failure occurs.



Transforming Raw Data into Clinical Foresight

Pocket QA acts as the central intelligence layer — taking data from your existing TG-142 measurement tools and translating it into predictive failure timelines for hospital administration.

1 **Data Capture** (Mobile)

Input your standard TG-142 measurements from any vendor's QA device using our frictionless mobile app.

→

2 **Physics-Constrained AI** (Cloud)

The platform evaluates raw data, continuously tracking individual LINAC drift and eliminating setup noise.

→

3 **Hospital Intelligence** (Dashboard)

Chief Physicists and administrators receive clear ETAs on potential machine failures to schedule preventative maintenance.

Ready to modernize your QA workflow?

Schedule a Live Demo or contact our engineering team directly to discuss how Pocket QA can elevate your clinic.

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