SunCHECK Platform

Select Features	Practical Application
Action-oriented dashboard	• Overview of Patient and Machine QA actions - Results/review for patient data - Due, pending and approved Machine and Patient QA tasks • Easy approval mechanisms, right from the dashboard
Common navigation mechanisms between Patient and Machine workflows	• Consistent user experience across the platform

SunCHECK Patient

Select Features	Practical Application
New PlanCHECK Module • Physics Checks • Dosimetric Checks	• Automated workflows for treatment plan validation and rules-based checks • Easy identification of deviations with user-defineable pass/fail results • Automated, comprehensive structure-based checks, including dose/volume metrics compared to user-definable constraints • Complete patient QA record in a single platform
New ArcCHECK direct device integration	• Array based Pre-Treatment QA support, complementing phantomless offerings -- and providing optimal, unmatched flexibility for Patient QA • Efficient audit QA • Improved root cause analysis
Independent Patient QA for Varian Medical Systems® Halcyon™ System	• First commercially-available solution for secondary dose calculations • Log file-based Pre-Treatment QA • Log file-based In-Vivo Monitoring
Transit Dosimetry • 2D absolute dose for Fraction N • Streamlined calibration process	• Fully independent absolute dosimetric QA of patient treatments, using only calibrated EPID data • Ability to verify setup and first fraction against plan (74% of errors occur in first fraction – Bojechko et al, Med Phys) • Patient position, movement and anatomy inherently included in analysis • Makes true dosimetric In-Vivo Monitoring clinically feasible • For European Union, supports required compliance with 2013/59/EURATOM – Article 83
Universal Metrics • "Plug and Play" metrics - no customization needed • Use for each phase of Patient QA • May apply >1 metric set to QA simultaneously	• Simpler, more automated assessment of all Patient QA results • Works relative to approved treatment plan, eliminating the need for adjustment or customization for each patient • Instantly analyze the impact of different metric criteria sets, including dose coverage and limits, and quickly switch criteria

SunCHECK Patient (cont.)

Select Features	Practical Application
Consistent Event Summary Display • Target and OAR gamma dose metrics displays in a single view • Across all phases of Patient QA	• View Points, Beams, Targets, OARs, Overall Gamma, DVH, and Images in a single navigable view • Auto identification of Targets and OARs
3D secondary dose calculations for conventional linacs, Varian ICVI and BrainLab Stereotactic Cone Systems, Varian Medical Systems® Halcyon™ System and Monte-Carlo based TomoTherapy® support	• Complete 3D secondary dose calculations for Varian Medical Systems® Halcyon™ System and TomoTherapy in the same system used for conventional linacs - Eliminate need for standalone solution
3D TG-43-compliant HDR Brachytherapy secondary dose calculation support	• Complete 3D secondary dose calculations for HDR brachytherapy in the same system used for conventional linacs, bore-based, and TomoTherapy systems

SunCHECK Machine

Select Features	Practical Application
Comprehensive Daily, Monthly and Annual QA • Standard and complete TG-142 and DIN templates for Daily, Monthly, Annual QA • User-friendly editing or creation of customized QA templates/tasks • Share QA templates across machines and centers • Automated imaging, MLC, and VMAT QA task integration	• Get up and running quickly with complete and detailed templates • No need for spreadsheets! • Reduce QA delays, contributing to increased Patient Safety • Set QA to standards, or customize to your own specific requirements • Ensure consistency across your enterprise
Daily QA 3, IC PROFILER and PC Electrometer direct device integration	• Perform beam measurements for certain Daily, Monthly and Annual QA tasks with a quick one-step process • Operate and save results in real-time--no uploads or file transfers • PC Electrometer device integration coming soon
Fully TG-142/MPPG8 compliant	• Demonstrate compliance for accreditation purposes
Flexible data trending	• See if a given parameter is moving towards an out-of-tolerance condition • Opportunity for pro-active machine management
Centralized data storage and flexible reporting	• Easy report retrieval for accreditation/compliance audits • Meet documentation needs

Visit **sunnuclear.com/suncheck** to request your demonstration.