LXIII CNF 2020

Advancing RT QA Latest Solutions from Sun Nuclear





We enable healthier lives by improving the avoidance, detection & treatment of cancer.





We deliver Patient Safety solutions for Radiation Therapy & Diagnostic Imaging.





Independence provides unbiased assurance systemic & random issues will be caught

Integration provides optimal workflow efficiency & standardization







OIS/R&V: Radiation Oncology Patient Record

Treatment Planning & Delivery Ecosystem

Quality Management Platform







- Comprehensive, Automated QM Platform
- Single, Centralized Database
- Scalable, Vendor-Neutral Clinical Integration
- Accessible from Anywhere

SunCHECK™ 800+ Sites Worldwide



Patient

- Plan Quality Verification
- Secondary Dose Calculations
- Phantomless & Array-Based Pre-Treatment QA
- In-Vivo Monitoring Throughout Treatment Course



- Full Task Group-Based Test Suite
- Automated Data Collection & Analysis
- Measurement Device Connectivity & Control
- Network-Wide View of Linac/CT Status







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PlanCHECK**

- Automation for one of Medical Physics' most time-consuming tasks
- Simplification for an essential step requiring experience and expertise
- Integration of Dosimetric, Plan Parameter and Deliverability Checks into complete, independent Quality Management solution

Physics and Dosimetric Checks
PlanCHECK™

Secondary Dose Calculations
DoseCHECK™

Pre-Treatment QA PerFRACTION™ In-Vivo Monitoring PerFRACTION™



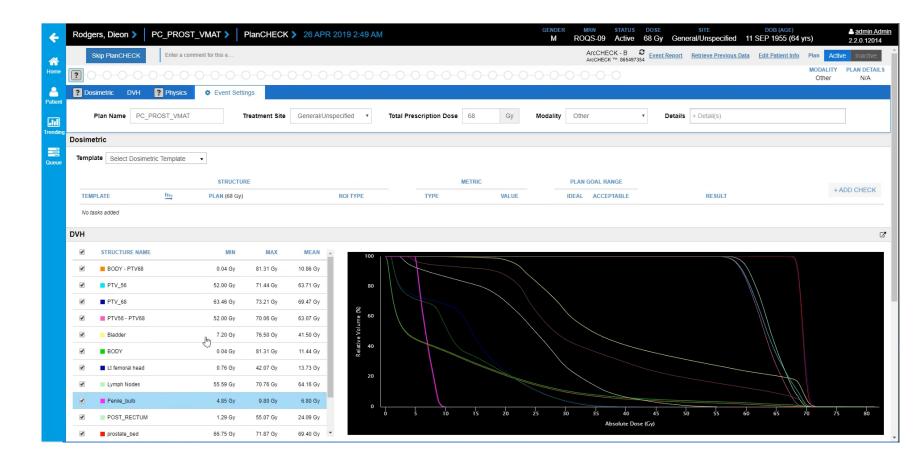


PlanCHECK™ Plan Quality Verification



Complete automation

Dosimetric Checks
Physics Check



Compatible with multiple TPSs via scripting*/DICOM transfer





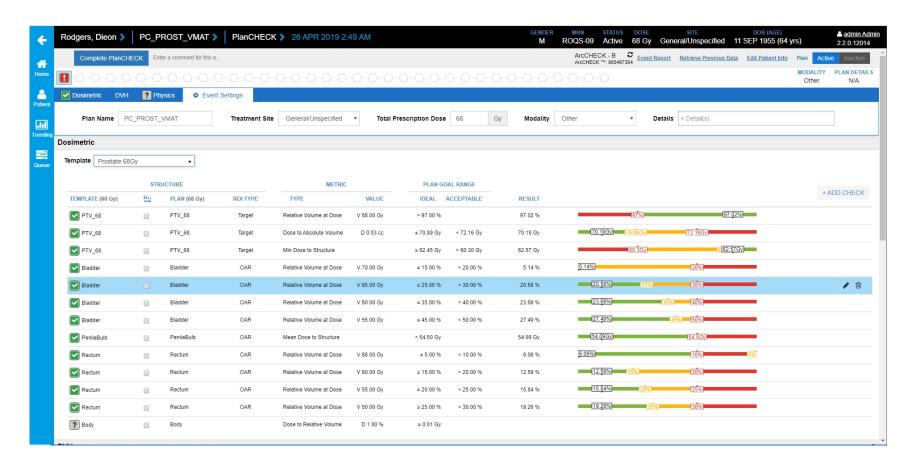
PlanCHECK™ Plan Quality Verification



Complete automation

Dosimetric Checks

Physics Check



Automatically assess performance of plan versus intent





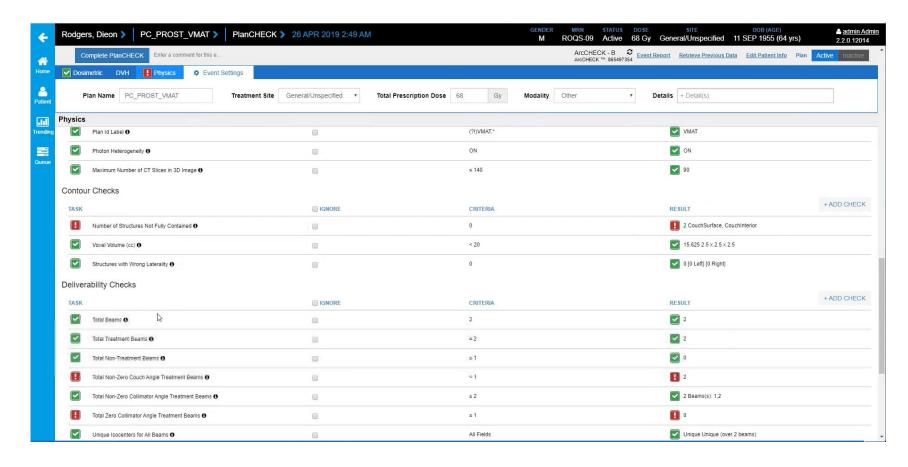
PlanCHECK™ Plan Quality Verification



Complete automation

Dosimetric Checks

Physics Checks



Identify deviations with rules-based and user-defined pass/fail results







ArcCHECK® Integration

Array-Based Pre-Treatment QA

- Simplified workflow no separate
 QA plan required
- Easy separation of error source
- ArcCHECK measurements included in patients' SunCHECK QA timeline





ArcCHECK™ Array-Based Pre-Treatment QA Integration



Simplified workflow

- No separate QA plan needed
- Saves ~30 minutes per patient

Separates sources of error

- DoseCHECK[™] highlights algorithm errors
- ArcCHECK highlights delivery errors

ArcCHECK measurements included in patients' SunCHECK QA timelines

Complete patient-specific QA record possible



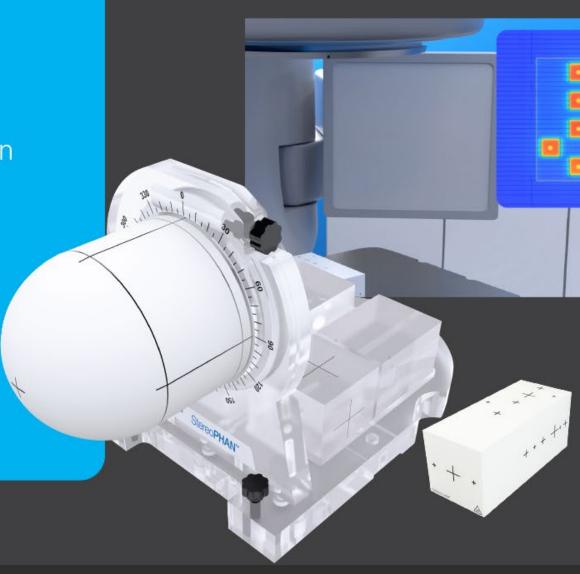


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Introducing the MultiMet-WL Cube

for SRS/SBRT Accuracy Verification

- Identify off-axis/rotational sources of error — Gantry, Couch or Collimator — in 6 degrees of freedom
- Elekta Versa HD™ and Synergy® Systems support
- 45 degree couch kick support with error reporting
- Couch and collimator rotational error reporting





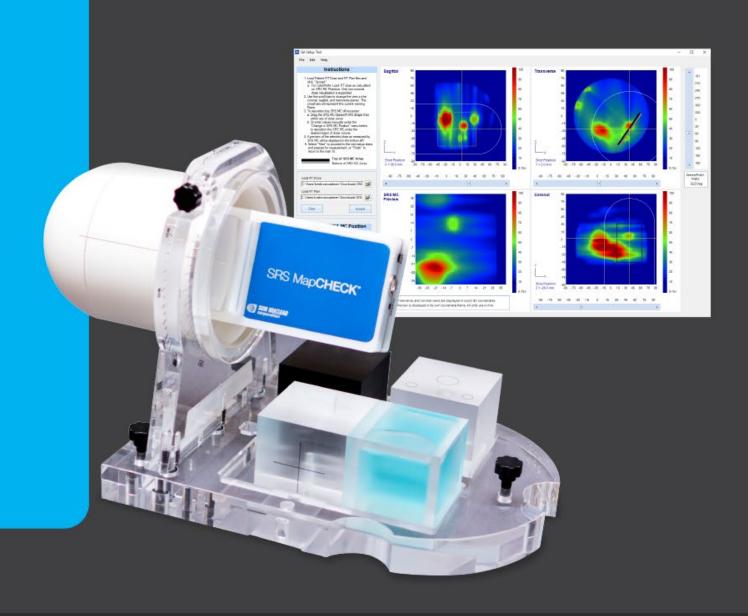


Stereotactic QA

Enhancing SRS MapCHECK[™]

For Film-less Patient QA

- New QA Setup Tool provides guidance on optimal positioning, particularly valuable for Single-Isocenter Multiple-Target (SIMT) treatments
- Support for delivering vertex fields to the device for 6MV and 10MV, including FFF
- Varian Medical Systems[®] Halcyon™
 System support







Now Available — Sun Nuclear Lasers

Simplify workflows, enhance accuracy and get the support you deserve -- from the QA leader you trust

MICRO+™ CT SIM+™

Best-in-industry specs

Fits on existing brackets





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Daily QA™ 3 & Daily QA™-MR Software Update – v3.1

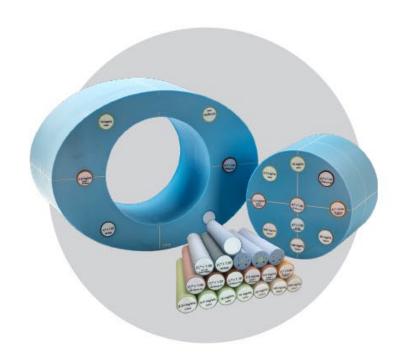
Coming soon

New features:

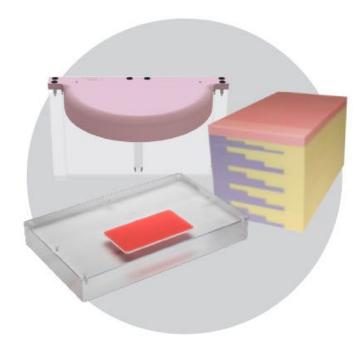
- Daily QA[™] 3 (FFF) Energy, Shape Constancy and Field Size Shift
- Daily QA™-MR (FFF) Energy, Shape Constancy and Field Size Shift



Easing New Technology Adoption Diagnostic Imaging QA



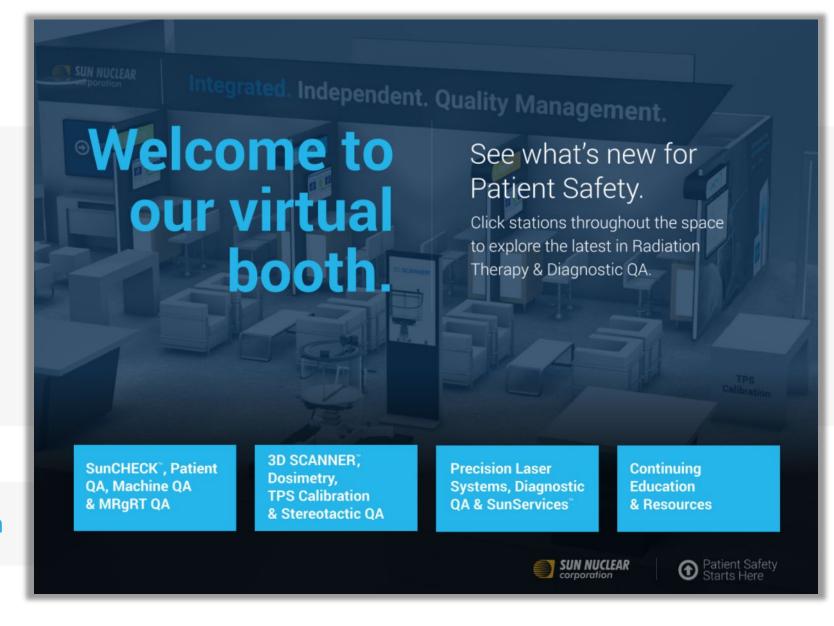




Please join us, at your convenience, for a closer look at more new solutions and helpful resources.

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sunnuclear.com/virtual-booth







THANK YOU



