

v4.2.1 Feature Set

This release of SunCHECK is a release for both On-Premise and SaaS/Cloud users of the SunCHECK Platform. SunCHECK v4.2.1 delivers a feature-rich release with multiple key new capabilities and 100+ enhancements, to improve workflows. These new features and user-requested improvements set the stage for clinics to optimize their Quality Management programs.

Daily Wed March 28,					ending approva	Appro
Device: DQA3		-0-0-0-0-0	-0-0-0-0-	-0-0-		
Background: Valid 4.39 pr	🗸 Dosimetry -	Photon output constancy				
🗢 Dosimetry 💌 🔺						
Photon output constancy	😋 6 MV					
😋 6 MV	-					
10 FFF	Setup	Result				
Daily QA 3 Checks (DQA3)	Dose Rate (MU/min)	PARAMETER	MEASUREMENT	EXPECTED	DIFFERENCE	TOLERAN
🥥 6 MV	600	Output / Dose (cGy) 🖬	101	100.0	1.0	-
O 10 FFF	MU 100	Company social (COV) IM	101	100.0	1.0	_
 12 MeV 15 MeV 	55D (mm)					
 Electron output constancy 	100					
C 12 MeV	Paid Size 10x10					
0 16 NeV	TOKTO					
Mechanical -						
C Laser localization	10 FFF					
Optical distance indicator (CDI) at lisocenter	Setup	Result				
Collimator size indicator	Dose Rate (MU/min)	PARAMETER	MEA SUREMENT	EXPECTED	DIFFERENCE	TO FRAM
 Safety • 	600	-				_
Safety Checks	MU 100	Output / Dose (cGy) 🖼	99	100.0	-1.0	
🛇 Wedge 👻	100 SSD (pm)					
 Morning check out run for one angle 	100					
O MC ·	Field Size					
Q Qualitative Test of MLC	10x10					
MV Imager ·	-					
Collision interlocks - Planar MV imager	Dosimetry -	Daily QA 3 Checks (DQA3)				
 Positioninphepositioning - Planar MV imager 	😋 6 MV					
coordinate coincidence						
 coordinate concidence (single ganty angle) - Direct All (impost 	4					

See below for an overview of key v4.2.1 features, and their areas of impact.

Feature	Workflow	Reporting	Analytics	Innovation	User-Driven
Over 100 valuable user-requested enhancements and reported issues addressed	x	x			x
Single Sign-On (SSO) Support: Manage authentication for SunCHECK access through your facilitiy's Microsoft Active Directory solutions	x			x	
Data Management Improvements: Updated architecture to rely on file system storage	x				
EPID-based 2D pre-treatment and relative in-vivo dosimetry for Varian Medical Systems [®] Halcyon [™] System: Industry leading In-vivo dosimetry support for Patient QA				x	x
Multiple CT-to-Electron Density Table support: Improved selection of multiple CT or CBCT protocols for dose calculations	x				x
Template Sharing: Improvements to allow sharing of templates with other machines	x	x			x

Please note: SunCHECK Version 4.2.1 is required to be able to update to Version 5.0.

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