



myQA[®] iON

Combined Efficiency
for Patient QA

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Log files powered by best-in-class Monte Carlo

myQA[®] iON is a unique, independent Patient QA software environment combining log files with a best-in-class SciMoCa[™] Monte Carlo algorithm in an accurate and efficient workflow.

Quickly and independently assess dose distributions to identify any potential errors or deviations. Validate your most demanding treatment techniques while ensuring patient safety without compromise.

Combined powerful algorithms



Monte Carlo

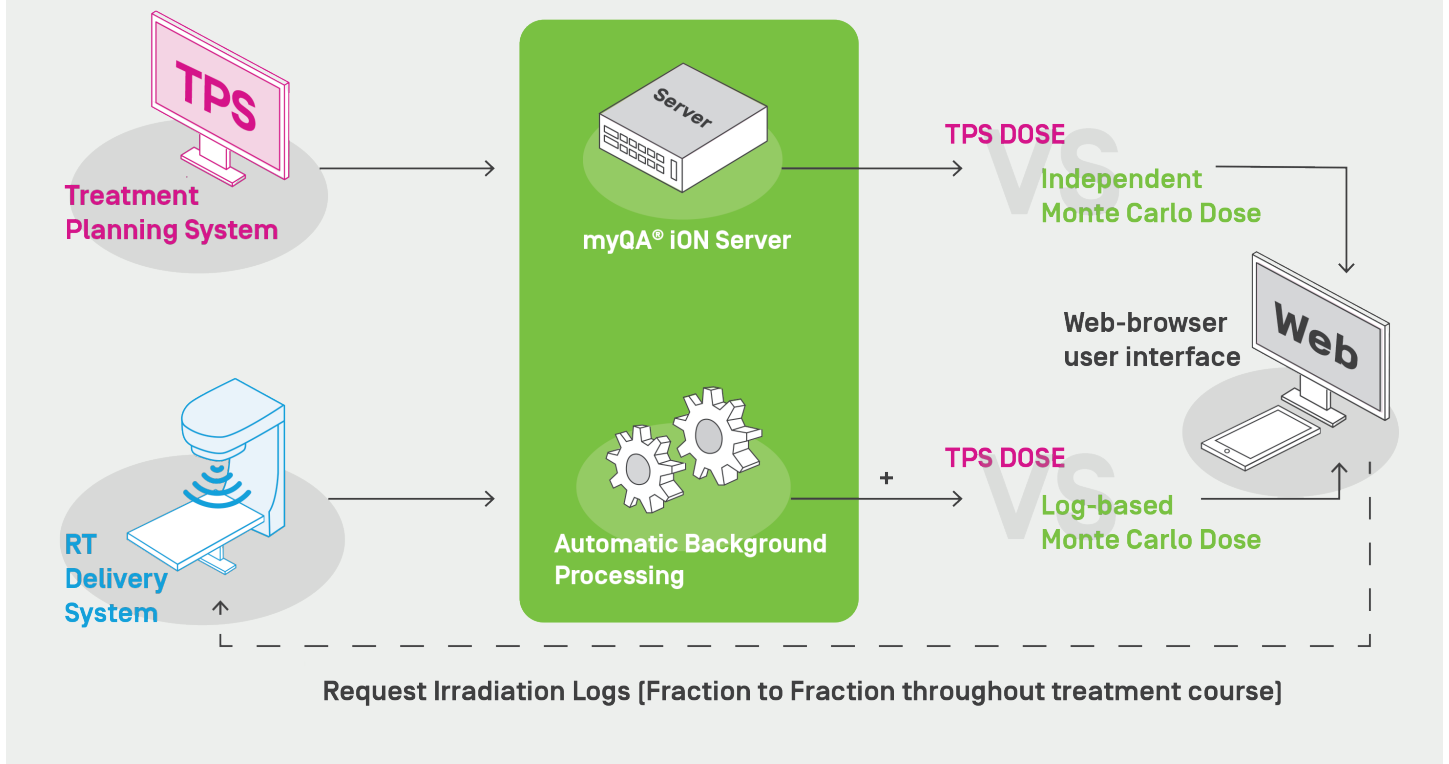
- Achieve an accuracy of <1% with the SciMoCa Monte Carlo algorithm¹⁾

Log files

- Validate all treatment fractions from the first to the last treatment

End-to-end Confidence

- Be prepared for the future with tools such as plan complexity analysis



1) Validation of the Acuros XB dose calculation algorithm versus Monte Carlo for clinical treatment plans. Medical Physics/ Vol 45, issue 8/ p. 3909-3915



The automation of the workflow saves me a lot of time and speeds up patient QA considerably, yet still provides comprehensive analysis and supreme Monte Carlo dose accuracy.

Lourens Strauss, Medical Physicist, University of the Free State, Bloemfontain, South Africa.

Efficient workflow



Automated

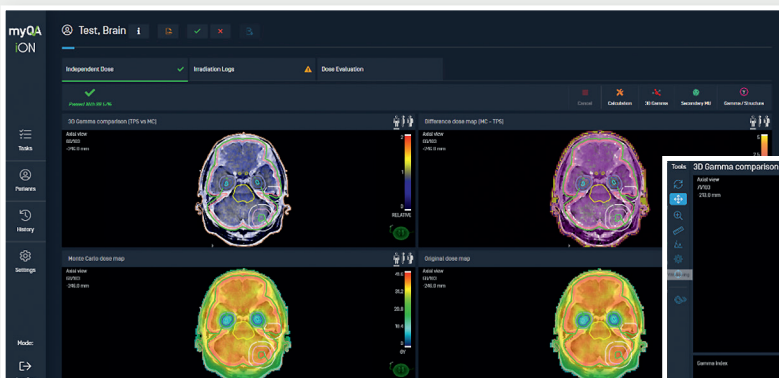
- Automated workflow and dose calculations, in the background, save time and speed up your Patient QA process

Optimized

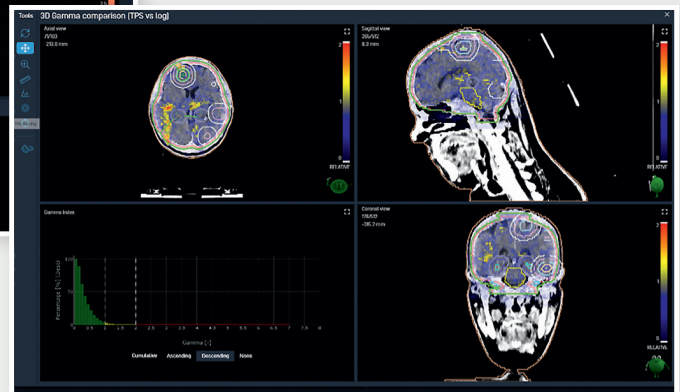
- Optimized workflow avoids redundancies and increases efficiency

Advanced

- Advanced yet easy to use tools enable fast assessment of doses and results



Full overview of the TPS and Monte Carlo dose comparison in one screen with 3D gamma analysis and dose difference for hippocampus-sparing WBRT with integrated boost case.



Detailed 3D gamma analysis between TPS and log-based reconstructed dose with Monte Carlo.

Enhanced safety



Identify errors

- Identify the source and clinical relevance of any potential dose deviations or errors

Log files

- Understand the clinical relevance as well as the source of deviations and errors

Independent QA

- MU check independent from the treatment planning system



Discover more about myQA iON RT
iba-dosimetry.com/product/myqa-ion-radiation-therapy

Supported Systems

		Additional information
Treatment techniques	All photon and electron treatment techniques	<ul style="list-style-type: none"> _3D-with and without wedged fields _IMRT, IMAT, VMAT _SBRT, SRS, SRS cones
Treatment machines	Elekta - all C-arm machines Varian - all C-arm machines Varian - Halcyon® and Ethos™ <i>CyberKnife®, TomoTherapy®, Radixact®, Zap-X® and MR-linac compatibility coming soon</i>	<ul style="list-style-type: none"> _All photon and electron energies supported -All MLC devices supported _Both custom and standard beam models supported -Log files supported: .ivx, trajectory logs, DynaLog
Treatment Planning Systems	All TPS capable of DICOM-RT export	

Recommended Server Requirements

	Recommended Specifications
CPU	24 cores
RAM	64 Gb
Operating System	Windows Server 2016 or 2019
Supported Web-Browser	Chrome™, Firefox
Free Hard Disk Space	2x 6TB HDD drives

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