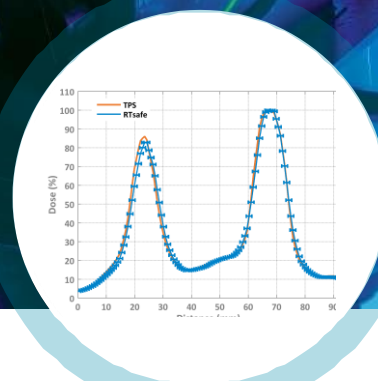
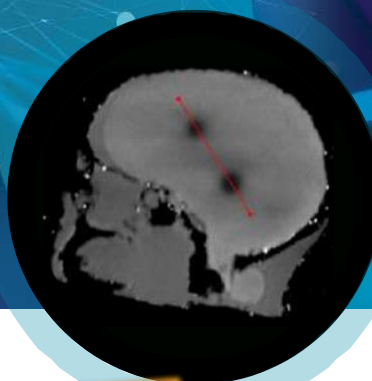


Encephalon 3D

End-to-End quality assurance of challenging SRS applications



Compatible with all immobilization devices
(thermoplastic mask or stereotactic frame)

Limitless SRS QA

3D dosimetry

Encephalon 3D phantom enables high spatial resolution and real-3D dosimetry, in a specific patient-derived anatomy. The 3D evaluation of the spatial accuracy reveals any minor uncertainties even in the most demanding plans, such as peripheral multiple metastases cases, making the Encephalon 3D an excellent margin-strategy decision tool.

End-to-End QA

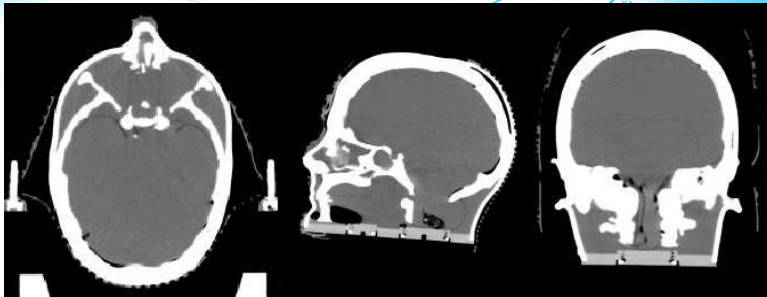
Encephalon 3D is a single-use head phantom 3D-printed with bone equivalent material, replicating the specific patient's anatomy. The brain area is filled with 3D polymer gel dosimeter as a tissue equivalent, giving to the end-user the ability to gain a real-3D map of the delivered dose. Encephalon 3D is treated as it is the real patient, checking the whole SRS process, from imaging and planning to positioning, IGRT and treatment delivery. Commissioning and periodic QA of the SRS platform is achieved through an in-depth multi-level validation.

SRS confidence

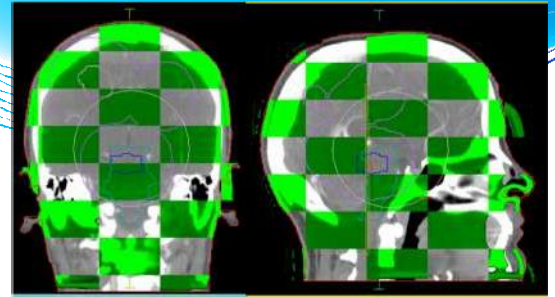
A unique solution for boosting the SRS program at your clinic by adapting cutting-edge technology. Full exploitation of the system capabilities through data-driven decisions.

Encephalon 3D

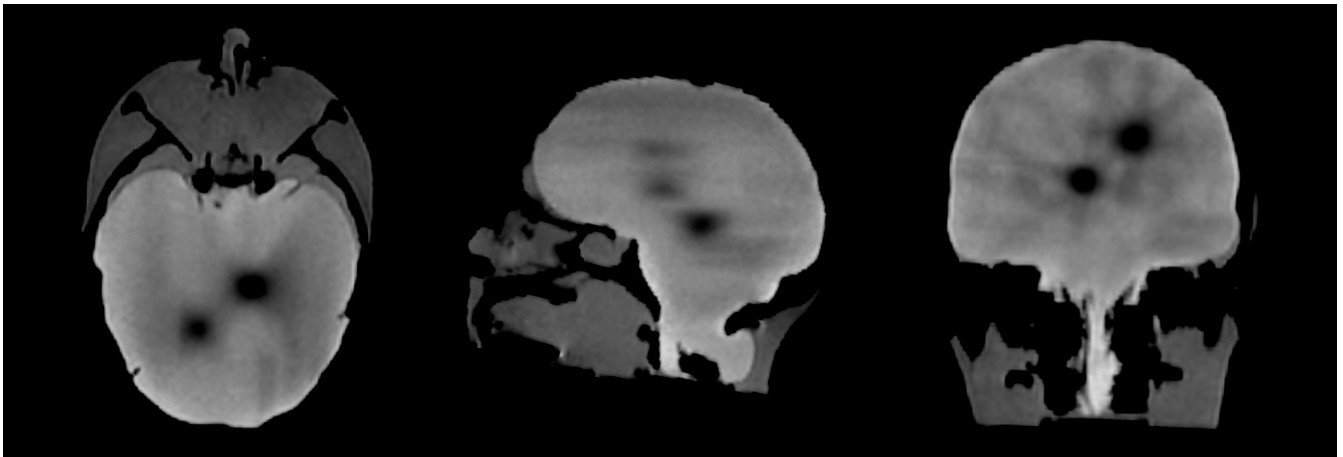
Limitless SRS



Axial, sagittal & coronal CT images of the phantom.



Fused coronal and sagittal CT images of the real patient (grayscale) and the phantom (green).



Axial, sagittal & coronal post-irradiation MR images of the phantom.

Specifications

MODEL INCLUDES

QTY	DESCRIPTION
1	3D printed Head Phantom based on real patient's anonymized CT dataset
1	3D Gel dosimeter with an extended dose range (up to 30 Gy) and a high spatial resolution (of ~1mm ³)*
1	Dosimetric analysis report with multi-level comparison between gel and TPS dose distributions
1	User Manual
1	12 man-hours remote support

*Regarding the targets that are close to the bone. The dosimetry gel performs best at least 1 cm away from bone structures. For optimal performance, targets should be positioned accordingly. Indicatively, make sure that the 50% isodose is at least 1 cm away from the bone structures.