BRAINLAB ELEMENTS

BRAINLAB

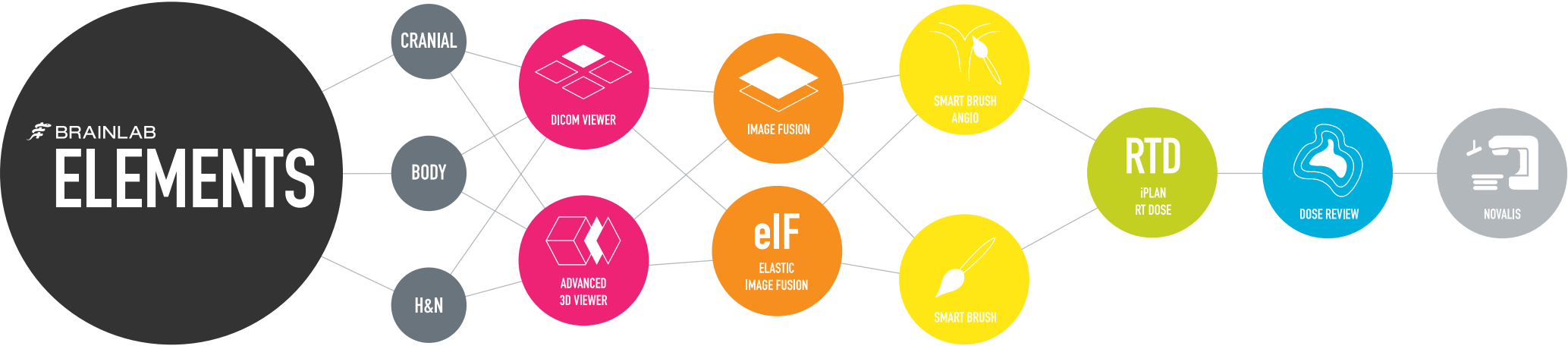# BUILD REACH AND RICHNESS

BRAINLAB ELEMENTS

Medical technology just got a whole lot easier and innovation is within reach with pre-planning software apps by Brainlab.

Brainlab Elements brings instant access to a suite of radiotherapy pre-planning solutions that work seamlessly together, delivering capability without complexity.

Clinicians define the individual elements they need based on their case load, patient need and departmental infrastructure.

Brainlab Elements bridge departments and offer working, scalable connections between clinical subspecialties like neurosurgery, spine surgery, orthopedics and radiation oncology. No other company brings it all together like Brainlab.
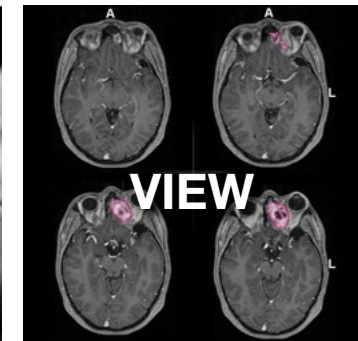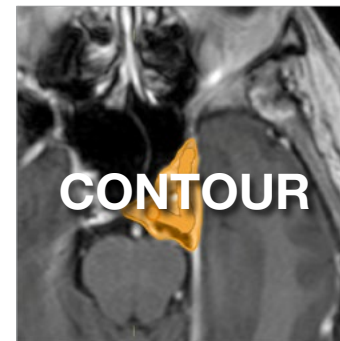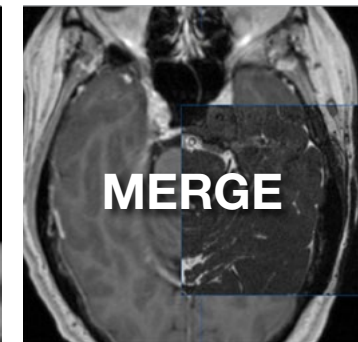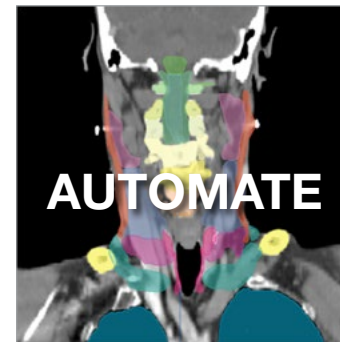

BRAINLAB ELEMENTS

CRANIAL · BODY · H&N · DICOM VIEWER · ADVANCED 3D VIEWER · IMAGE FUSION · eIF ELASTIC IMAGE FUSION · SMART BRUSH ANGIO · SMART BRUSH · RTD iPLAN RT DOSE · DOSE REVIEW · NOVALIS

* Products displayed are available or a work-in-progress.

ENRICH WITH STYLE

INFORMATIVE AND ILLUSTRATIVE

Effectively and swiftly transform image preprocessing into an actionable treatment plan with the Brainlab Elements modules. Packed with capability that enriches the data and guides clinicians step-by-step, Elements yield the bigger picture.

This powerful suite of pre-processing capabilities streamlines the pre-planning workflow into Automate, Merge, Contour, View, at the touch of a finger or click of a mouse.

MOVE ABOUT THE FACILITY

SHAREABLE AND SYNCHRONIZABLE

With coverage throughout the building, ancillary facilities, home offices and on mobile devices, Brainlab Elements support clinicians at every meeting, tumor board, expert consultation, planning station and O.R. suite.

Quentry® fuels efficient departmental, crossfunctional and external expert collaboration, across the hall or across the ocean.

REACH FOR ANY DEVICE

INTERCONNECTED AND INDEPENDENT

Offering the freedom to work online on preferred devices including iPad and iPhone, or offline on a workstation, Brainlab Elements fits into the physician's digital life and any department's IT setup. Multi-platform flexibility makes it easy to plan and review, even for the busiest clinicians.

Users have access to full software functionality and get the most out of Brainlab Elements with easy setup and usage on any device.
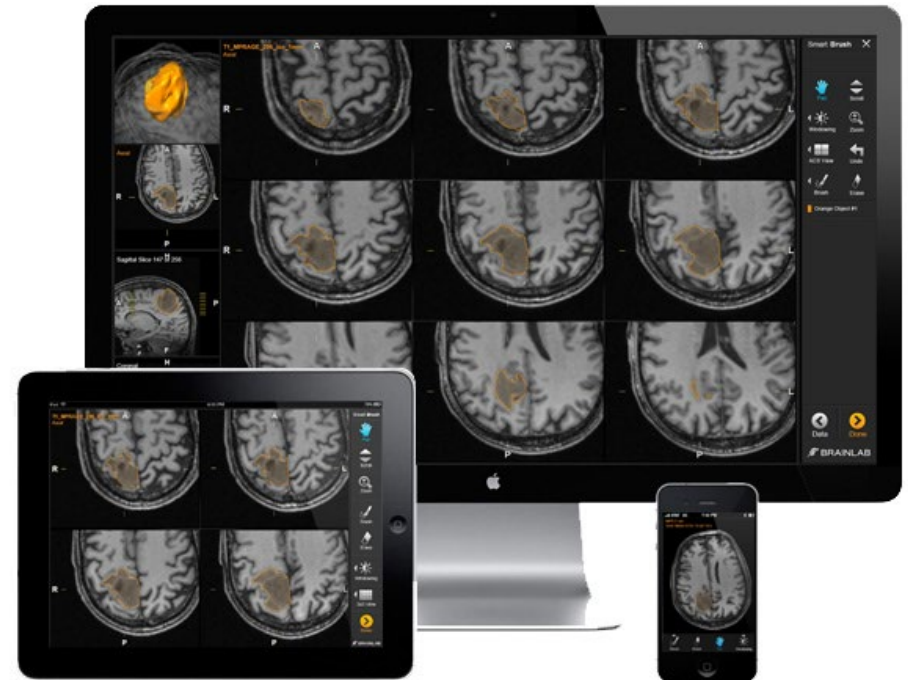
SCALE TO SIZE

EXPANDABLE AND EVOLVING

From simple, single licenses to multiple offerings across multiple departments, Brainlab provides flexible business models so facilities can access Elements in the way they want, and expect, to use them.

Scalable to the evolving needs of any department, Brainlab delivers timely access to Elements and the corresponding technical support. A positive customer experience is intrinsic with Brainlab Elements.
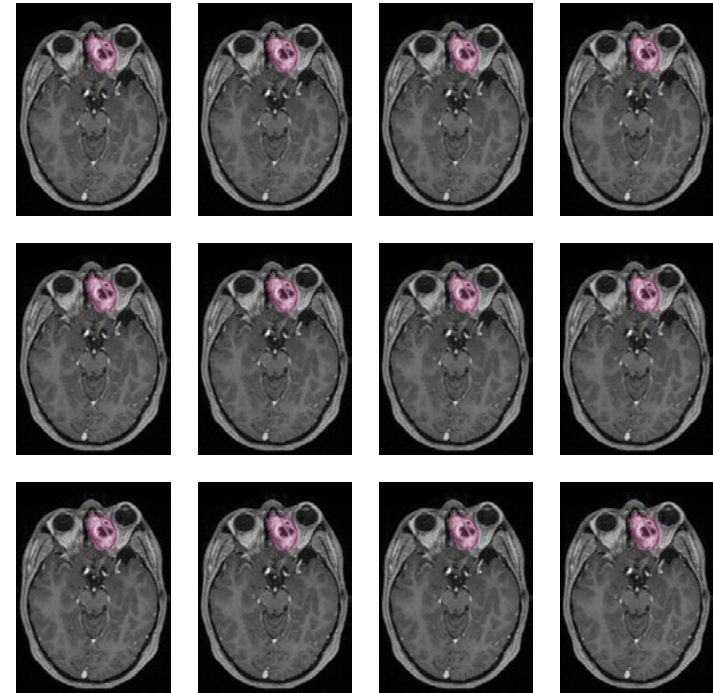
PLAY THE FIELD

INTEGRATED AND INTELLIGENT

Clinicians can take advantage of multiple Brainlab platforms like Curve™ Image Guided Surgery and Buzz® Digital O.R. for optimized utilization of Elements.

Multiple users can team up, working with Elements simultaneously from Curve and Buzz.

Seamless integration is known to help save time, improve workflow, and decrease error potential.

1 Curve Image Guided Surgery

2 Buzz Digital O.R.

ATLAS SEGMENTATION

Define the case from the start with fully automated knowledge-based antomical segmentation. Elemental to any radiotherapy workflow, Atlas Segmentation provides a highly accurate series of labeled structures for user review and editing.

→ High accuracy with knowledge-based anatomical atlas segmentation

→ High quality treatment plans with consistent auto-contouring

→ Efficient automation of time-consuming contouring process

→ Immediate view of anatomical environment with effective data preprocessing
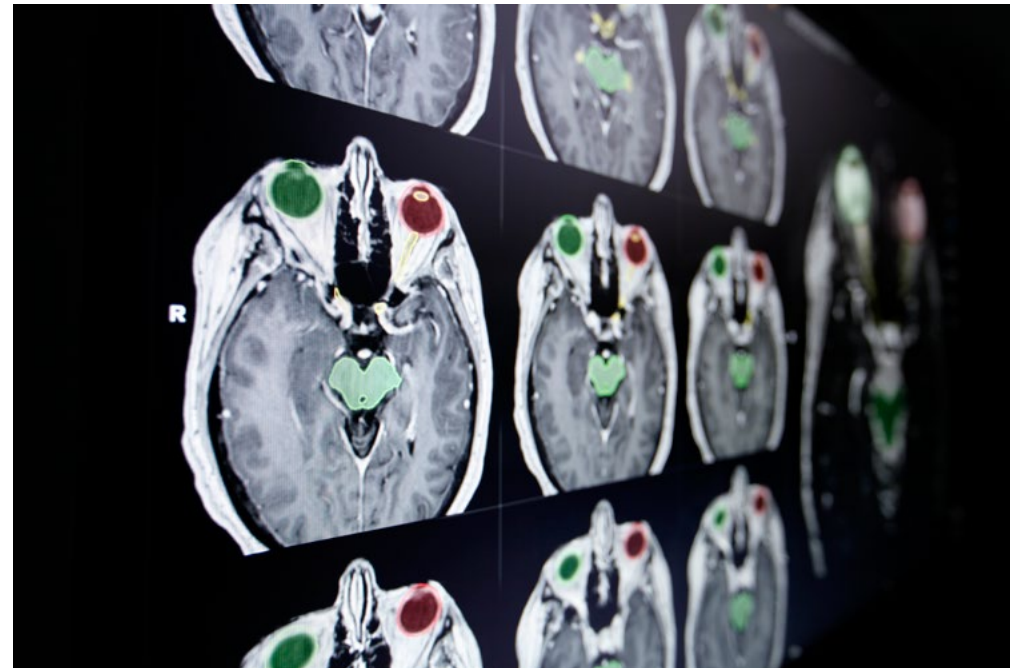
DICOM VIEWER

Gain pixel-perfect clarity with drag and drop ease using Brainlab Elements Dicom Viewer. Streamlined access to patient data sets fundamentally informs every radiotherapy planning and decision-making process.

➔ Fast and easy access to medical image data

➔ Quick and direct interaction with DICOM images

➔ Simplified multi-touch drag-and-drop user interface

➔ Rapid learning curve with intuitive usability
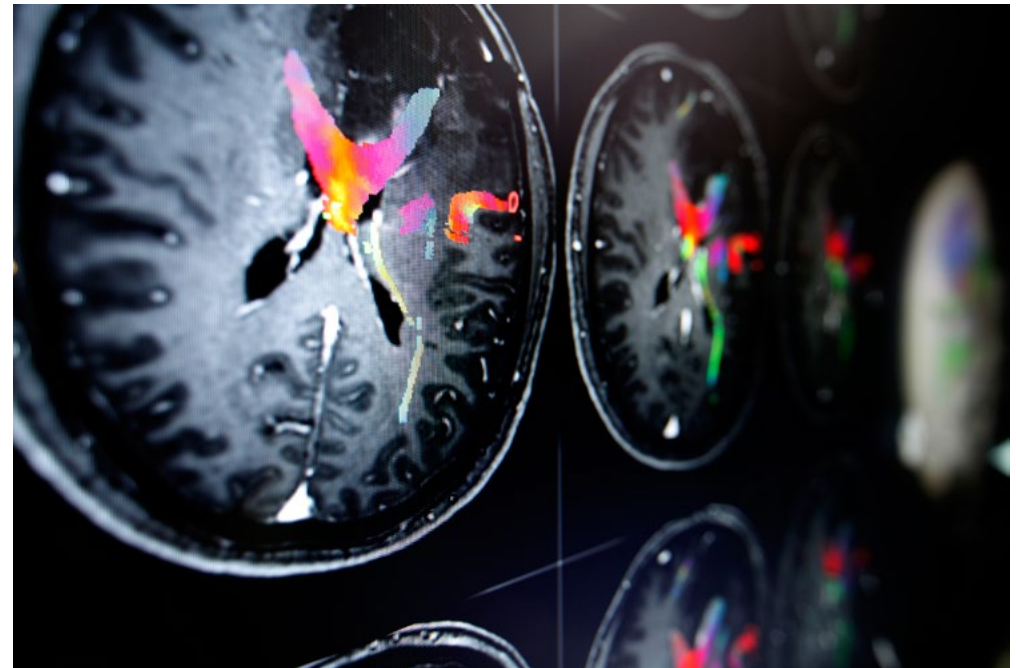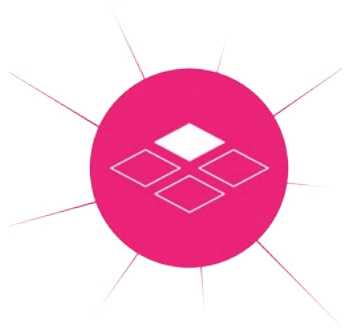
ADVANCED 3D VIEWER

Envision treatment on a whole new plane with the Advanced 3D Viewer. Multi-data-set renderings come alive with a level of spatial anatomical orientation that transforms decision-critical and analytical information.

➜ Instantaneous, high-quality 3D visualization of patient data

➜ 3D rendering based on CT, MR or PET data

➜ Support for procedures that require a high level of spatial anatomic orientation

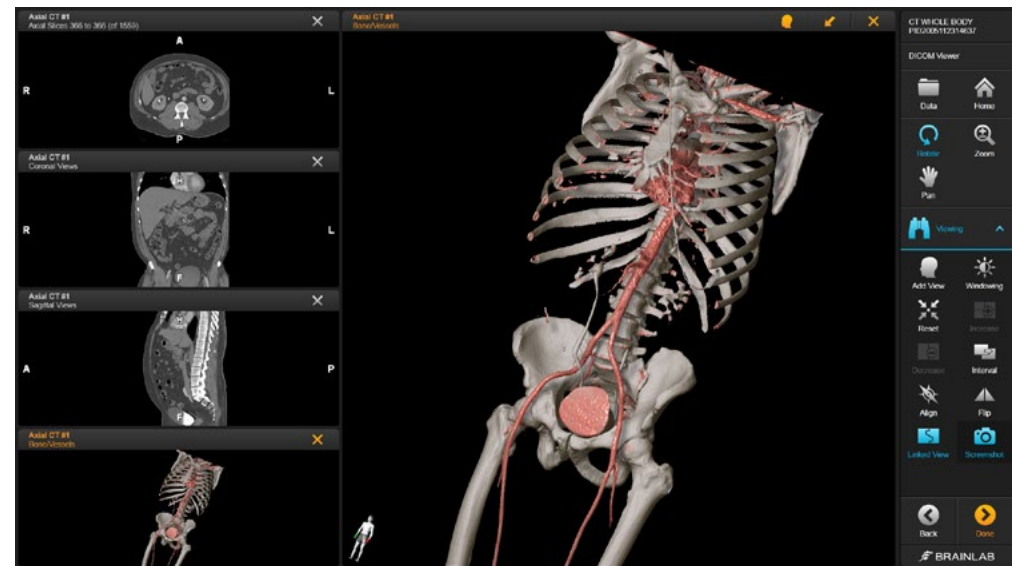➜ Cut-and-crop functionality for 3D image adjustment

IMAGE FUSION

Consider every angle with Brainlab Elements Image Fusion. Dataset correlation brings the plan together for indispensable definition and contouring.

➜ Fully automated and highly accurate image fusion

➜ Mutual information algorithm for dataset correlation within seconds

➜ Region-of-interest definition for dataset correlation on areas with similar anatomy

➜ Flexibility to contour on any datasets
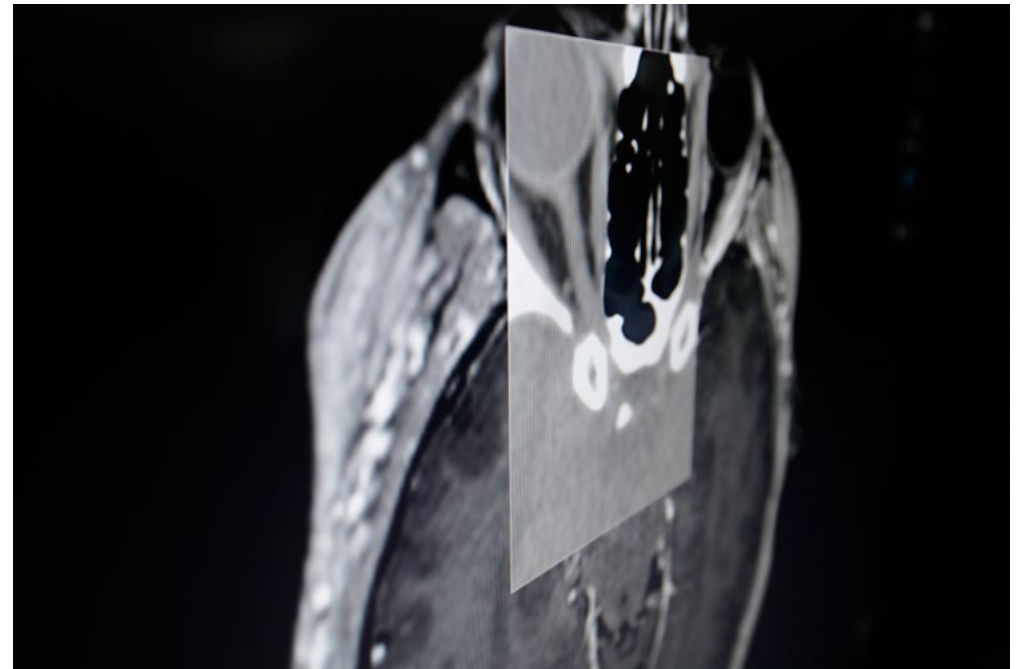
SMARTBRUSH

Paint a picture worth a thousand words using SmartBrush. Intelligent computer-assisted tumor outlining deeply expands target definition, incorporating multiple modalities and exploiting multi-planar volume definition.
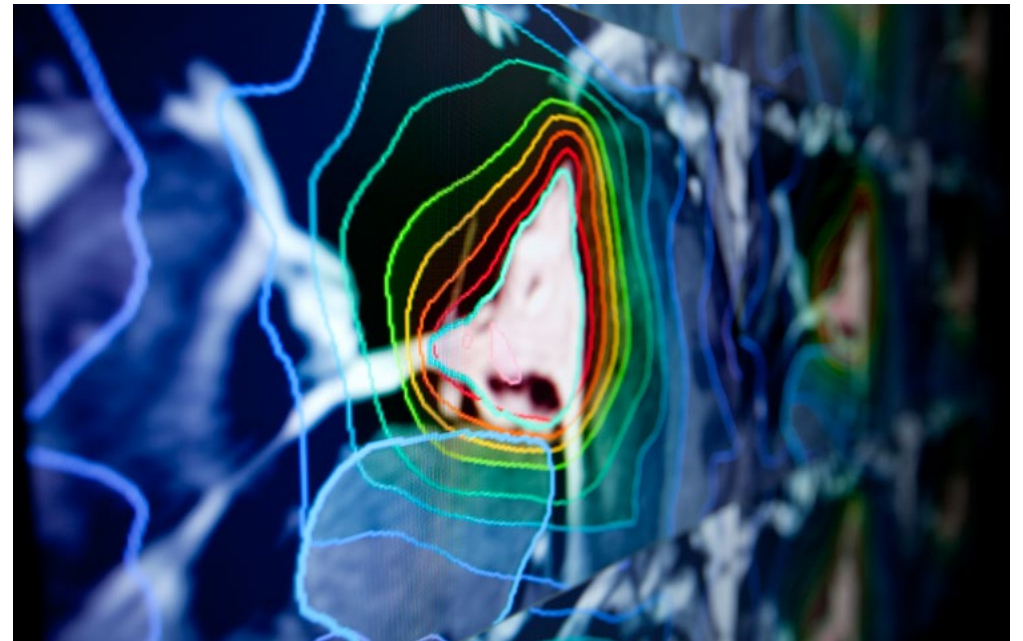
➜ Immediate and interactive target delineation

➜ Streamlined, multi-planar volume definition

➜ Smart contour expansion with click of mouse or touch of finger

➜ Multiple modalities simultaneously considered in outlining
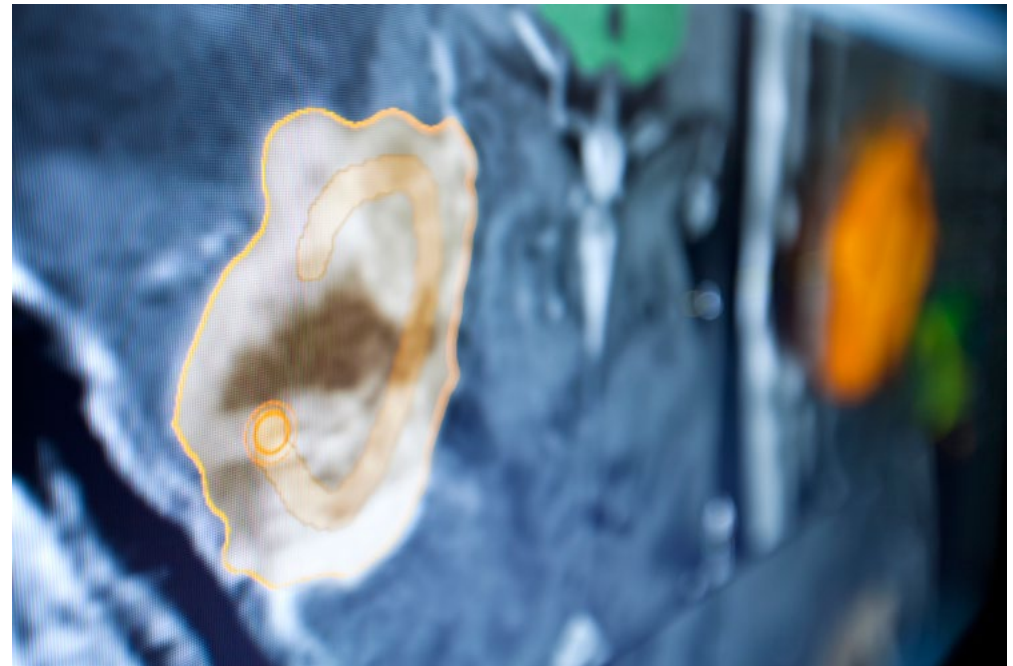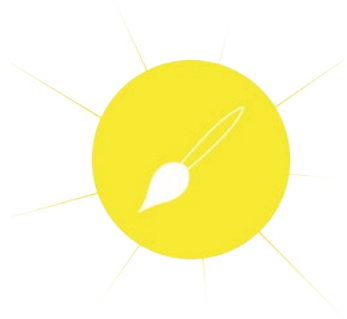
DOSE REVIEW

Branch out beyond the normal reassurance with Brainlab Elements Dose Review. Thorough dose-to-target and dose-to-critical-structures models, plan comparison and review illuminate options and offer reassurance prior to treatment.

➜ Review of dose to target and critical structures

➜ Zoom-adaptive dose display

➜ Dose-volume histograms for detailed plan review

➜ Comparison of plan alternatives

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