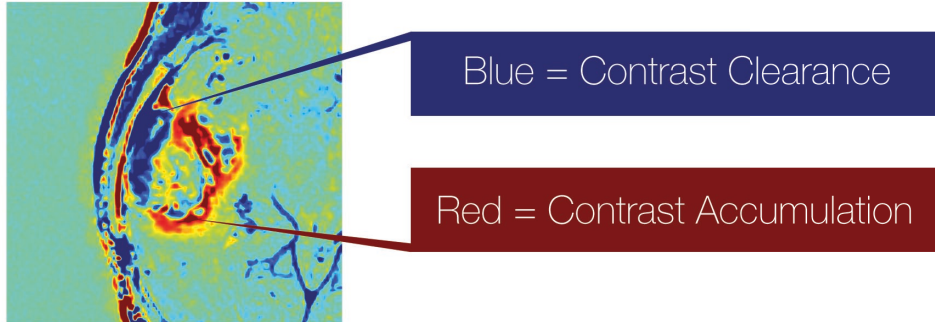


ELEMENTS CONTRAST CLEARANCE ANALYSIS

Supporting Treatment Assessment

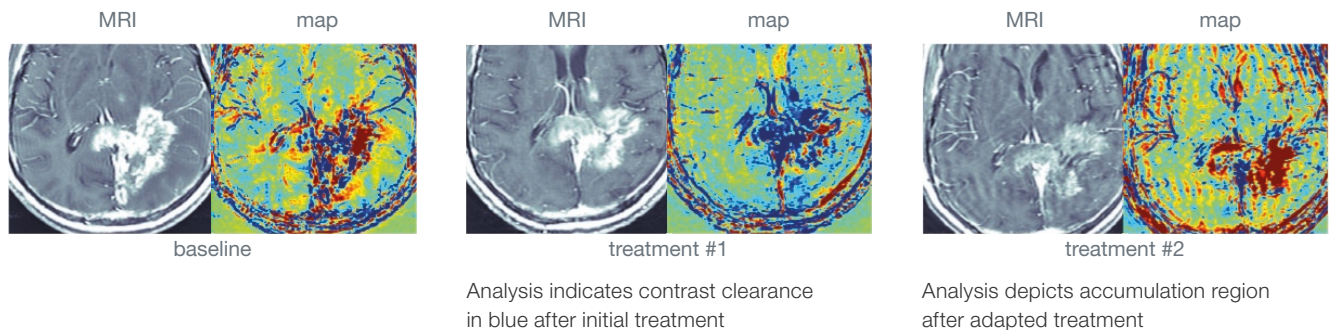


Contrast Clearance Analysis is a novel MRI-based methodology for the differentiation of contrast clearance and accumulation regions in brain tumor datasets. The high resolution analysis results provide additional insights to support clinicians during ongoing assessment and decision-making for multiple clinical specialties.

Developed at Sheba Medical Center, Tel Aviv, with technology provided by Brainlab, Elements Contrast Clearance Analysis serves clinical specialties including radiosurgery, radiation oncology, neurosurgery, neuro oncology and neuroradiology.

CLINICAL USE

- › Evaluation of contrast agent dynamics over a period of more than one hour
- › Repeated monitoring of changes with Contrast Clearance Analysis follow-up imaging over the course of a treatment
- › Supports ongoing assessment



METHODOLOGY

- › Two acquisitions of standard T1-weighted MRI – the first at 5 minutes and the second at 60–105 minutes after injection of a standard dose of contrast agent
- › First series is intelligently subtracted from the second for Contrast Clearance Analysis
- › The analysis results are high resolution, volumetric maps facilitating the identification of efficient washout areas (blue) in opposition to accumulation regions (red) more than one hour post contrast injection