

# APT CEST

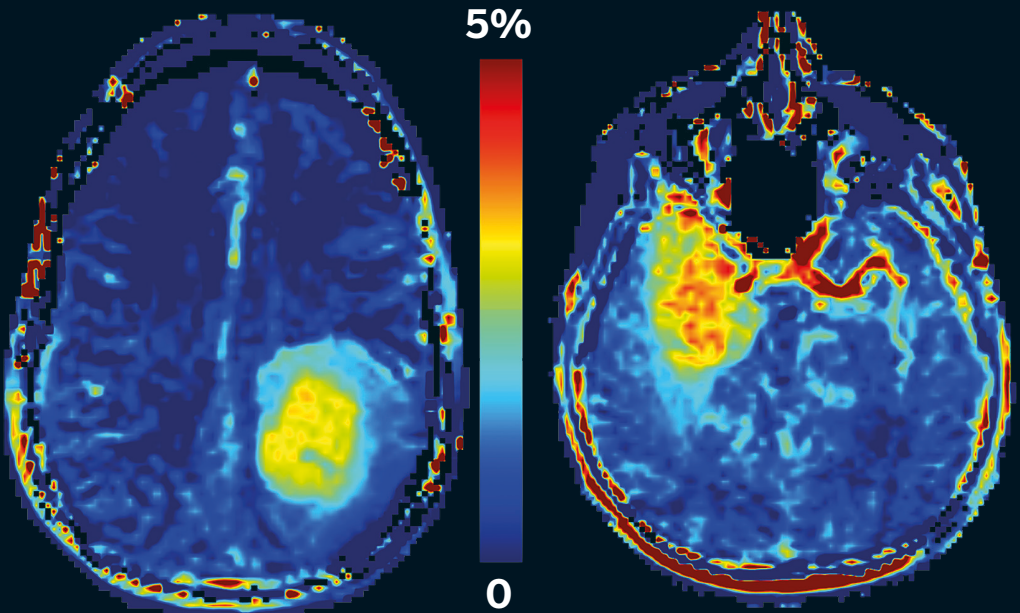
RESEARCH-ONLY APPLICATION



OLEA SPHERE

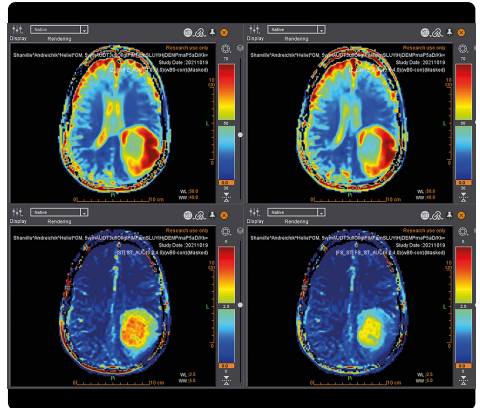
PEPTIDE AND PROTEIN MAPPING  
TO DETECT MOLECULAR CHANGES  
IN THE BRAIN

MRI



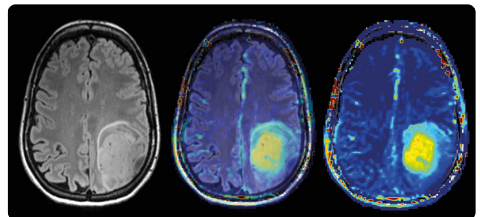
## QUICK ACCESS TO THE DIFFERENT AMIDE PROTON TRANSFER WEIGHTED (APT<sub>w</sub>) MAPS

- ✔ Personalized display of APT<sub>w</sub> maps
- ✔ APT<sub>w</sub> maps computed in different shift frequency range with or without fluid suppression



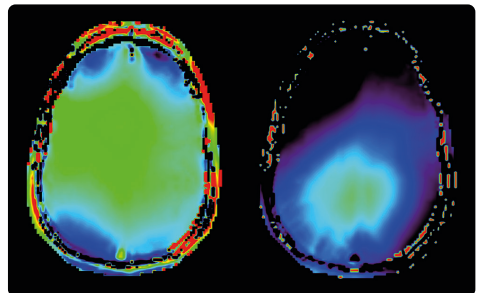
## ADVANCED ANALYSIS

- ✔ Co-registration of structural maps to extract precise key results from VOI and ROI
- ✔ Fusion of APT<sub>w</sub> and morphological maps



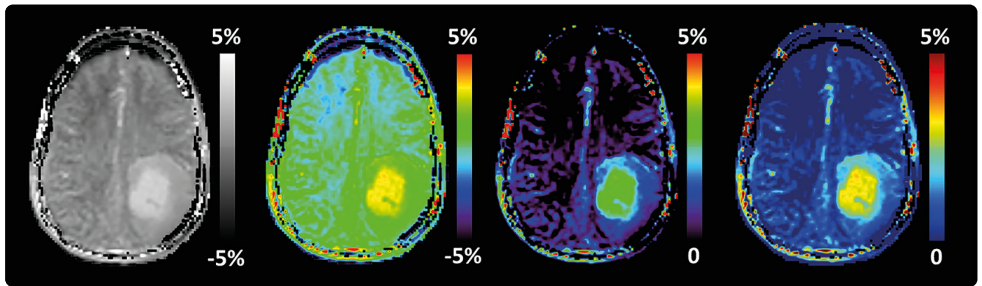
## ADAPTATIVE DISPLAY OF MAPS FOR A PERSONALIZED ANALYSIS

- ✔ Spatial denoising
- ✔ B<sub>0</sub>/B<sub>1</sub> correction
- ✔ B<sub>0</sub>/rB<sub>1</sub> maps computed in a few seconds



## ADAPTATIVE DISPLAY OF MAPS FOR A PERSONALIZED ANALYSIS

- Different colormaps and windowing available
- Highlighting of potentially abnormal areas



## KEY FEATURES

- Computed B0 map (with WASAB1 or Z-Spectra or external map)
- Computed rB1 map (with WASAB1)
- B0/B1 correction
- Spatial denoising
- APTw computation at different shift frequency range
- Co-registration with morphological maps
- *PCA denoising (next version)*
- *Motion correction (next version)*

## THEY TRUST US



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Our ambition is to innovate and push the boundaries of medical imaging to help preserve life.

Olea Medical® offers an advanced solution for the post-processing of MRI and CT images. Olea Sphere® v3.0 allows the visualization, processing and analysis of medical images. Our solution assists practitioners in their analysis of numerous conditions by providing instantaneous multi-parametric maps to deliver quantitative and qualitative data.

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