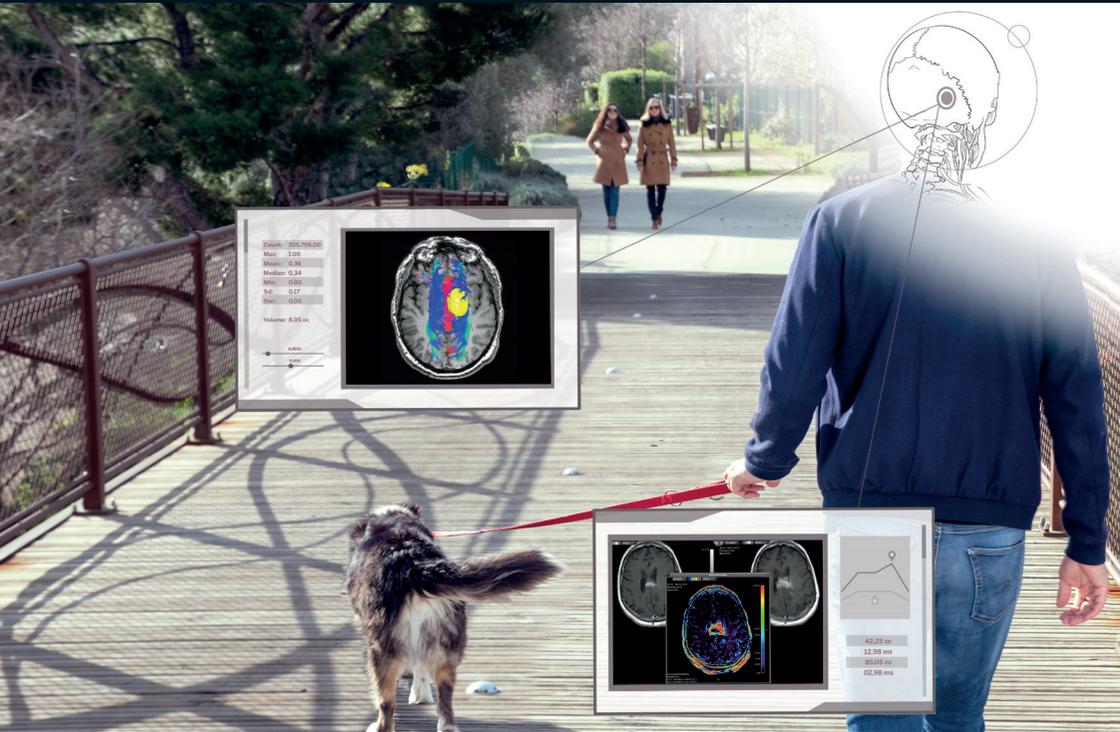


# NEUROLOGY



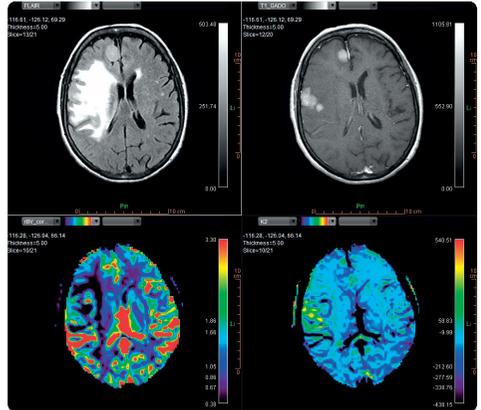
OPTIMIZED SOLUTION  
FOR DIAGNOSTIC ASSISTANCE IN ADULT  
AND PAEDIATRIC NEUROIMAGING

MRI



## QUICK ACCESS TO QUALITATIVE AND QUANTITATIVE INFORMATION AND MAPS

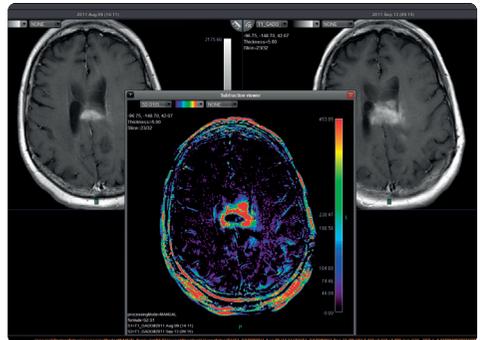
- ✔ Computation of diffusion and perfusion maps (including  $rBV_{corrected}$  and  $K2$ )
- ✔ Customized display of multi-parametric maps
- ✔ Merging of maps



## LONGITUDINAL ANALYSIS

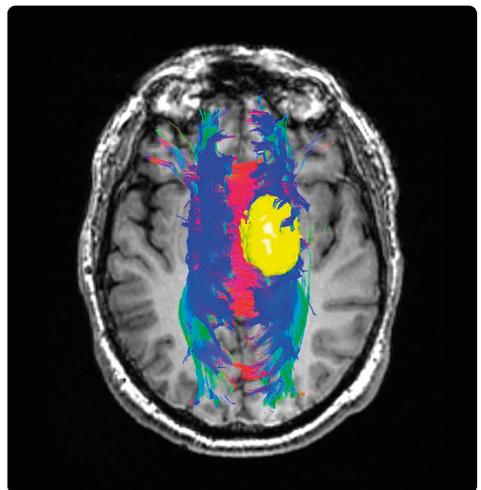
### Clinical applications: MS and brain tumors

- ✔ Co-registration for an optimal analysis
- ✔ Qualitative and quantitative follow-up of the evolution of lesions
- ✔ Treatment efficacy follow-up



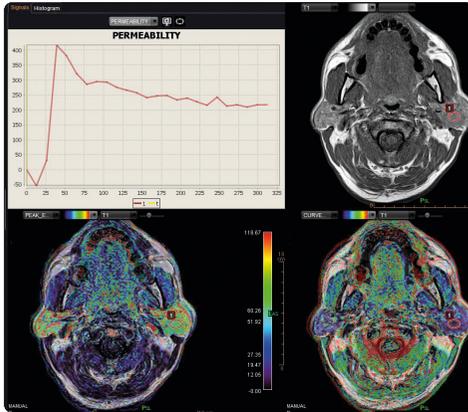
## TRACTOGRAPHY

- ✔ Merging of conventional maps with fibers from tractography



## HEAD & NECK

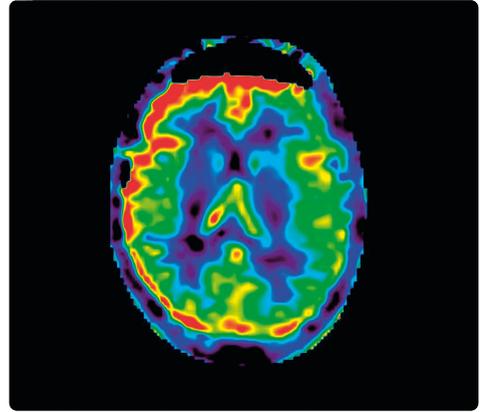
- ✓ Diffusion
- ✓ Kinetics
- ✓ Quantitative permeability maps
- ✓ Thresholds on specific wash-out values for Head & Neck pathologies



## ASL

**Clinical applications:**  
Pediatrics, renal contraindications,  
epilepsy, dementia

- ✓ Non-invasive perfusion to measure blood flow without contrast agent injection



## KEY FEATURES

- Computation of T2\* perfusion maps (DSC)
- Computation of T1 perfusion maps (DCE)
- Computation of the ADC map
- Tractography (DTI)
- Calculation of Volumes of Interest
- Temporal subtraction
- Merging of images
- ASL

## THEY TRUST US



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## OLEA MEDICAL®

ZI Athelia IV - 93, avenue des Sorbiers  
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PH +33 4 42 71 24 20 - FX +33 4 42 71 24 27

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