

Brain tumor

suite



PERFSCAPE^{TM V.2} + NEUROSCAPE^{TM V.2}

ADVANCED 4D VISUALIZATION AND ANALYSIS SOFTWARE FOR BRAIN

FAST: EVALUATE PATIENTS CASE WITH UNPARALLELED SPEED

- **Real-time recalculation** of all parameters for each adjustment
- **Less clicks to optimised workflow** from import to export
- **Instant mapping** on all slices
- Full radiology structured report in less than 3 minutes

INTUITIVE: USER-FRIENDLY & CUSTOMIZABLE INTERFACE

- **Automatic** analysis
- **Predefined intuitive interface** fully customizable to match user preferences
- Easy-to-use analysis tools and single & customizable dashboard displaying simultaneously all series
- **Control and traceability:** Save and export study and images, to any PACS and/or to any file system

ACCURATE: RELIABLE AND REPRODUCIBLE

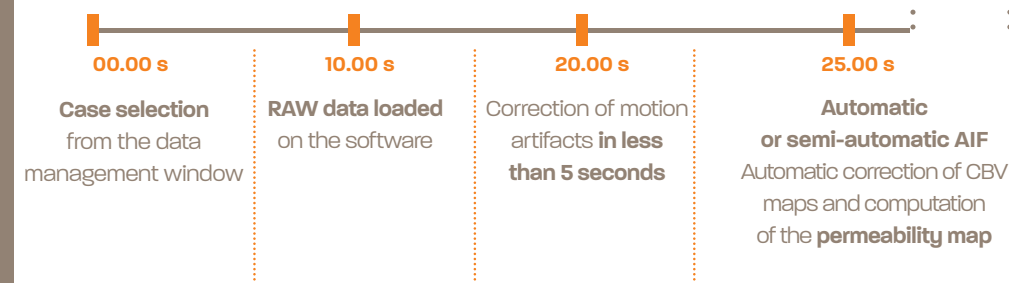
- Automatic **rescaling of all the series** allowing precise comparison at the same level
- Accurate **brain tumor grading and treatment planning**, for adult and pediatric patients
- Unparalleled image quality, independant from MRI vendor
- Combined **2D/3D/4D visualization** and **3D reconstruction**
- Efficient follow-up of therapy response and brain tumor evolution, useful for biopsy planning





PERFSCAPE™

Perfusion **computation tool**



- Automatic or manual AIF selection **without limitation** with real-time recalculation of maps
- Perfusion & Diffusion maps (ADC, TMAX, rCBF, rCBV)
- Automatic **correction of leakage effect**: Corrected rCBV and permeability map
- Automatic **motion correction** and **background segmentation**
- 2 deconvolution methods** sSVD & cSVD (delay-insensitive)

NEUROSCAPE™

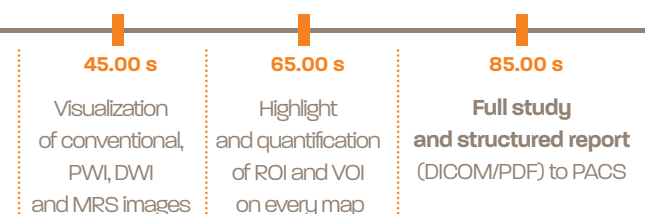
Image optimization, quantification and **analysis tool**



- Multiparametric analysis** on a mono-slice display or flat 3D view
- 3D segmentation** to identify a VOI (3D magic wand)
- No limitation** in number of ROIs comparison to normal tissue
- 3D Pointer** to simultaneously isolate the same pixel on all maps/series

NEUROSCAPE™

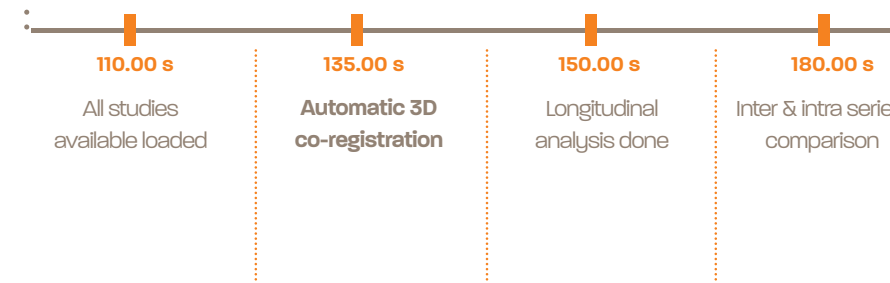
Image optimization, quantification and **analysis tool**



- Automatic synchronization between series for zoom and movement functionalities
- Automatic or manual **3D co-registration**
- Input saving**: single or multiple snapshots of images embedded in the report with comments and ROI & VOI values
- Advanced **3D/4D brain reconstruction**

FOLLOW-UP

Therapy response and evolution **management tool**



- Automatic recognition** of the studies available for the same patient
- 2 displays** : Overlay in time and inter & intra series comparison
- Longitudinal follow-up of **conventional, perfusion and diffusion series**
- Quantitative management: **tracking of regions & volumes of interest**
- Automatic or manual 3D co-registration

- DWI tool**: Computation of parametric maps with dedicated color palette: isotropic maps, ADC, eADC
- DTI tool**: Computation of color DTI, FA, volume ratio, trace W, RA



- Mini PACS**: Our cost-effective mini-PACS gives immediate access to images and patient information. This service permits to locally retrieve and store DICOM studies from any modality and can be shared between many workstations or in a stand-alone configuration.

* Indicative time depending on acquisition characteristics (total number of images, length, resolution...)

Brain tumor Suite



		Standard	Advanced	
Post-processing modules	STRUCTURAL	X	X	
	PWI	DSC	X	X
		Permeability map	X	X
	DTI		X	
	DWI	X	X	
	AUTOMATIC 3D COREGISTRATION		X	
	AUTOMATIC MOTION CORRECTION		X	
Analysis modules	ROI	X	X	
	TUMOR VOLUME SEGMENTATION	X	X	
	FOLLOW-UP WITH AUTOMATIC REGISTRATION		X	
	3D/4D IMAGE ANALYSIS	X	X	
Storage modules	FULL DICOM INTEROPERABILITY	X	X	
	STRUCTURED REPORT AND IMAGES TO PACS	X	X	
	STRUCTURED REPORT AND IMAGES TO FILE SYSTEM (PDF -DICOM/PNG)	X	X	
	ROI STATISTICS (CSV) TO FILE SYSTEM		X	

Olea Medical offers the opportunity to have 1 to 5 years of **services** and **maintenance** including:



Complete installation and configuration of our solutions for an integrated workflow



On & off line presentation of our solutions



Remote end-user support available 24/7 at: support@olea-medical.com



Minor and/or major upgrades



Olea
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