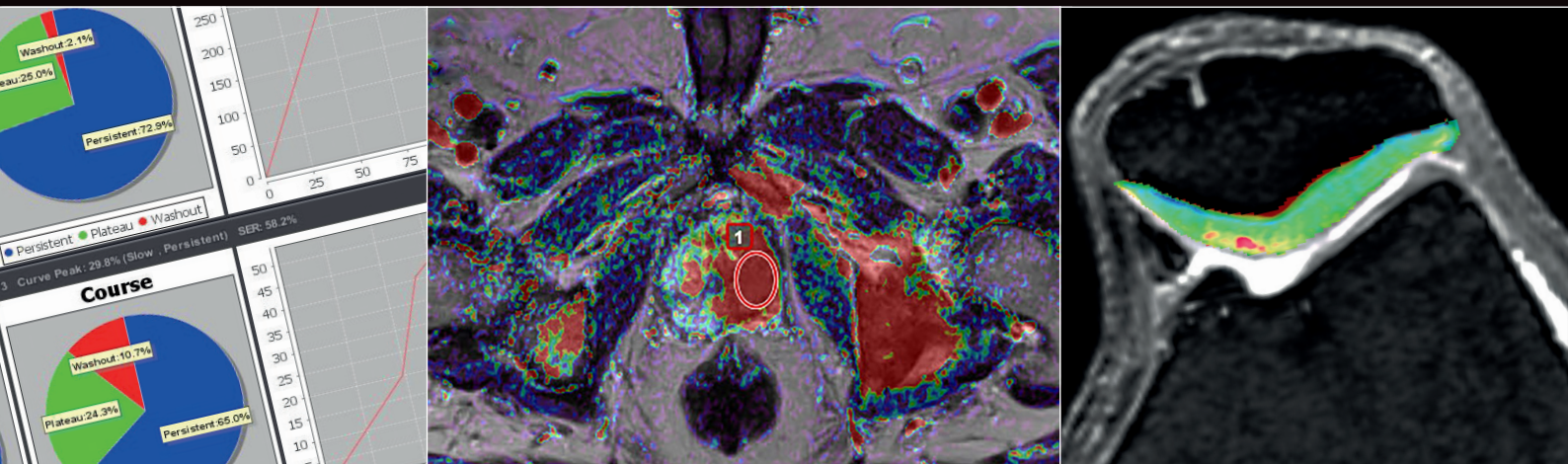OLEA SPHERE

BODY PACKAGE

Our Body package is your complete solution to manage oncology and MSK disorders from daily routine practice to more-in-depth analysis and measurements.

Olea medical

INCLUDED CONTENT

Diffusion: automatically computes diffusion maps
Automatic presets: motion correction | noise reduction | background segmentation
Automatic computed maps: ADC | Isotropic | Exponential
Customizable configuration: spatial smoothing

IVIM: automatically quantifies micro-perfusion with diffusion only
Automatic presets: motion correction | noise reduction | background segmentation
Automatic computed maps: ADC | D | D* | F
Customizable configurations: computation model | bayesian method | max/min values

computes non-acquired diffusion b-values
Automatic presets: motion correction | noise reduction | background segmentation
Computed maps: computed b-value | user can set multiples b-values without limitation
Customizable configurations: computation model | max/min values

Permeability: automatically and accurately computes qualitative & quantitative maps
Automatic presets: motion correction | AIF | baseline | noise reduction | background segmentation
Automatic qualitative computed maps: Washin | Washout | Peak | SER | AUC | TME | Peak enhancement | Curve washout
Automatic quantitative computed maps: Ktrans | Kep | VE | VP
Customizable configurations: DCE models | early signal index | downsampling | relaxivity | spatial smoothing | hematocrit

Collage: Stitching & binding tool
Whole-body spine | Lower limb angios | whole-body oncolology
Creation of unique volume from multi-volumes or multi-stations b scan

Analysis MR: quick assessment of full dataset
Visualization: 2D, 3D | fusion | MPR
Dedicated reports: PI-RADS v1 or v2
Assessment: ROI | VOI segmentation | measures
Communication: key images | screen captures | export to PACS | export to .csv file

CLINICAL SPECIALTIES COVERED

Women's health	Prostate	Rectum	MSK
Breast Streamlined Breast Streamlined_BS Breast Expanded Female Pelvis	Prostate Streamlined Prostate Expanded	Rectum Streamlined	MSK Onco/Inflammatory

REQUIREMENTS

System & Software Requirements

Operating System	Windows Desktop (x64): 7 / 8.1 / 10 Windows Server (x64): 2008 / 2008 R2 / 2012 / 2012 R2 / 2016
Software	Microsoft Visual C++ 2012 Redistributable (x64) Microsoft Visual C++ 2015 Redistributable (x64) PDF Reader

Stand-alone

CPU	Intel® Core / i7 / Xeon processor with 4 cores at 3.0+ GHz or 6 cores at 2.4+ GHz supporting SSE4.2 instructions	
Memory	24 GB	
GPU	Graphic card with at least the technical specs below: - Memory Type : GDDR5 - Core Clock Speed : 1500MHz - Memory Clock Speed : 8000MHz	Compatibles GPU Series: - Nvidia GeForce (Series Kepler, Maxwell, Pascal, Turing) - AMD ATI (Series Radeon Rx)
Storage	150 GB / SSD Drive	
Network	1 Gb Ethernet port	

Server

CPU	Intel® Core i7 / Xeon processor with 4 cores at 3.0+ GHz or 6 cores at 2.4+ GHz supporting SSE4.2 instructions
Memory	12 GB
Storage	300+ GB / SSD Drive
Network	1 Gb Ethernet port

Thick client

CPU	Intel® Core / i7 / Xeon processor with 4 cores at 3.0+ GHz or 6 cores at 2.4+ GHz supporting SSE4.2 instructions	
Memory	32 GB	
GPU	Graphic card with at least the technical specs below: - Memory Type : GDDR5 - Core Clock Speed : 1500MHz - Memory Clock Speed : 8000MHz	Compatibles GPU Series: - Nvidia GeForce (Series Kepler, Maxwell, Pascal, Turing) - AMD ATI (Series Radeon Rx)
Storage	5 GB	
Network	1 Gb Ethernet port	

Note: Olea Sphere® 3D rendering is not optimal with Nvidia Quadro Series.

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