

# breastscape® v1.0

**LESION IN LEFT BREAST**

**Overall Assessment**  
Lesion(s) highly suggestive of malignancy

**Kinetics**  
Initial phase: rH<sub>2</sub>O = 18.00% (Contrast/Median % = 140.00%)  
Late phase: rH<sub>2</sub>O = 15.00% (Contrast/Median % = 120.00%)

**Kinetics - Curve**


**Kinetics - Washout & Washin**

**Measurements**  
Lesion: 22.0x16.0mm  
Depth: 20.42mm  
Depth: 21.62mm

Parameter	Value
Volume	13.27 cc
① Contrast Enhancement	61.18 mm
② Maximum Size (mm)	33.42 mm
③ Maximum Area (mm²)	273.88 mm²

**Legend for Kinetics - Washout & Washin:**  
■ Rapid Washout  
■ Rapid Washin  
■ Moderate Washout  
■ Moderate Washin  
■ Slow Washout  
■ Slow Washin

One-click solution  
for reading & interpretation support  
for breast MRI examinations



With nearly one in eight women<sup>1</sup> likely to develop breast cancer in her lifetime, breast cancer is now a major health issue worldwide.

To combat this growing burden, MRI (Magnetic Resonance Imaging) is playing an increasingly vital role. It is particularly used to screen women with highly dense breast, or to assess the evolution of suspected findings and the response to treatments. As the volume of imaging to be processed continue to grow, the need for solutions to streamline post-processing and enhance radiologists' workflow has become crucial. **This is the guiding principle behind breastscape<sup>®</sup> solution.**

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<sup>1</sup> Melina Arnold, Eileen Morgan, Harriet Rungay, Allini Mafra, Deependra Singh, Mathieu Laversanne, Jerome Vignat, Julie R. Gralow, Fatima Cardoso, Sabine Siesling, and Isabelle Soerjomataram; "Current and future burden of breast cancer: Global statistics for 2020 and 2040" – 2022 Dec - <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9465273/>

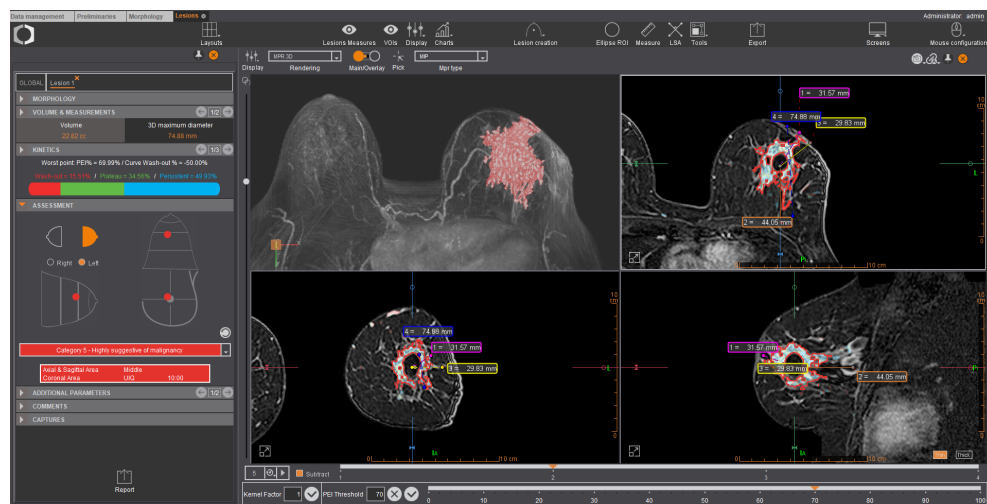
## INCREASE YOUR PRODUCTIVITY AND REDUCE YOUR TIME TO DECISION

**breastscape® V1.0 is a complete multi-vendor post-processing solution for all your breast MRI needs.**

Because you must make important decisions every day, our solution supports you in the analysis, interpretation, and follow-up of MRI examinations.

Thanks to our advanced algorithms, breastscape® V1.0 gives you all the significant results for the characterization and follow-up of breast abnormal areas, but also all the measurements expected, such as distances to the nipple, to the thorax, and to the skin.

With a single click, you can quickly segment the region of interest. All results related to this segmentation will be directly calculated and integrated into your report for a better optimization of your workflow.

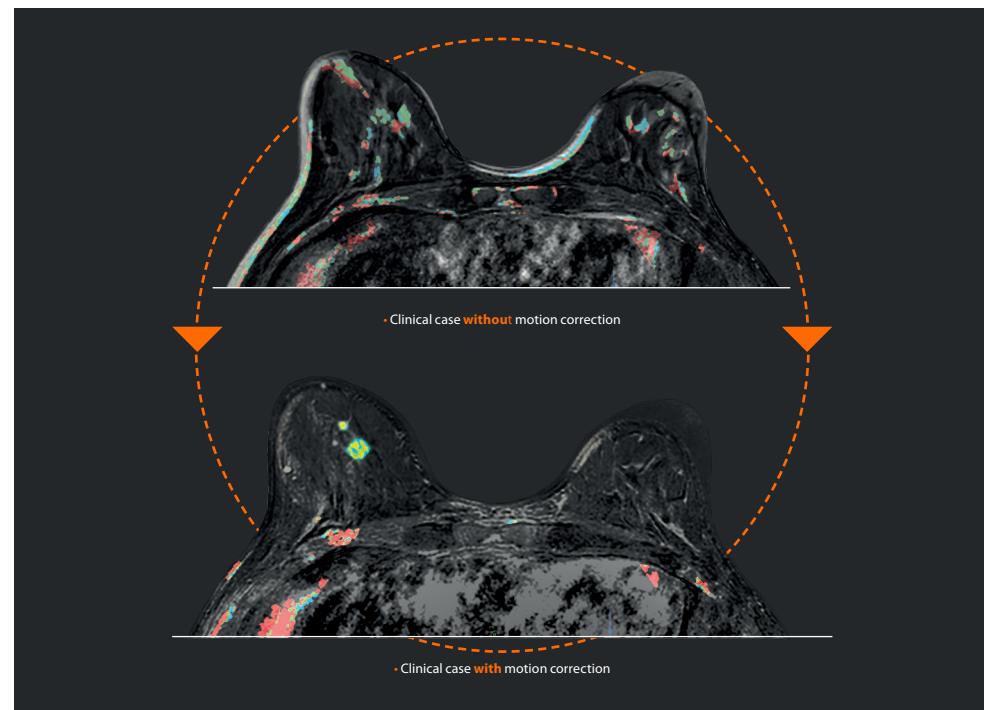


•breastscape® interface

## MAKE THE MOST OF YOUR EXAMS

Thanks to the motion correction, breastscape® V1.0 offers a better analysis of the study and more confidence in image interpretation. The technology deployed is based on the Elastix method, known to be the most advanced and relevant for breast imaging.

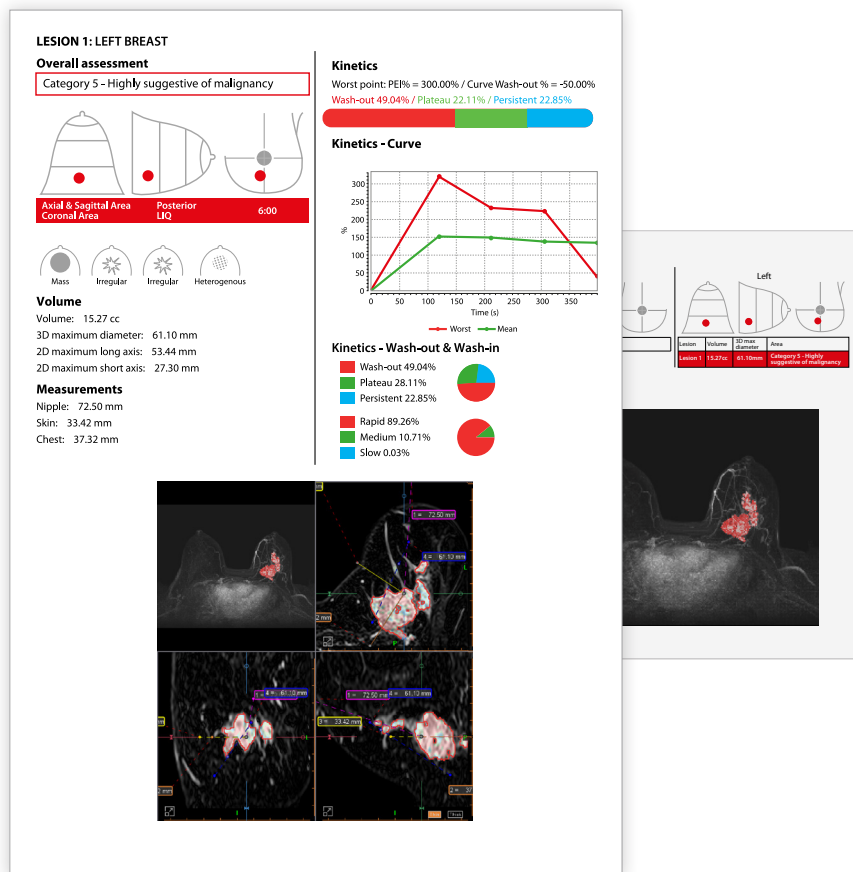
Furthermore, breastscape® V1.0 offers additional visualization tools, including 4D MIP, MPR, and automatic subtraction. These tools enhance the clarity and reading of the images, making them easier to interpret.



## TAKE ADVANTAGE OF BREASTSCAPE®'S FLEXIBILITY

Our cutting-edge technology possesses the capability to detect and adjust to various acquisition protocols, offering exceptional flexibility. As a result, you can effortlessly interpret any DCE (Dynamic Contrast-Enhanced) protocol, be it ultra-fast or standard, as well as swiftly and optimally handle examinations from other medical centers.

## AUTOMATED AND STANDARDIZED REPORTS



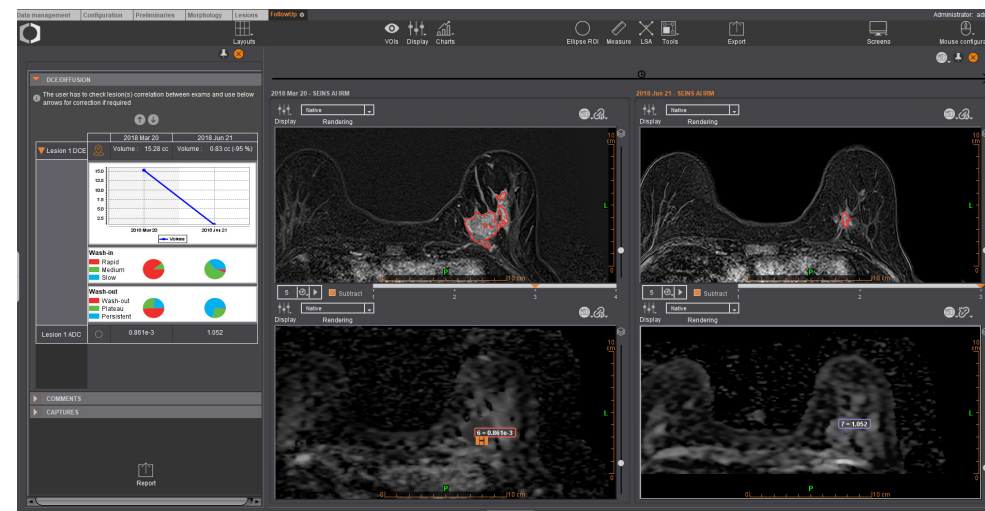
Analyze, segment, capture. All the results of your analysis are automatically integrated into the report: measurements, volumes, ROI (region of interest) location, distances to landmarks, kinetic data, or all the captures you may need.

The BI-RADS lexicon integrated into the breastscape® solution allows you to depict the region of interest in a structured approach to standardize your reports. These reports can then be exported directly into PACS.

## FAST AND LONGITUDINAL STUDIES

Multiple examinations can be conducted on the same patient to assess changes over time. However, this type of analysis is often considered as tedious, and its relevance can be influenced by examination conditions that may be challenging to reproduce consistently in a clinical environment.

With breastscape® V1.0, you can save valuable time, as it automatically re-aligns all the sequences between the different time points. Additionally, it provides a quantitative analysis to easily compare the evolution of the results.



## BREASTLOC, THE DEDICATED SOLUTION FOR BIOPSY PLANNING ASSISTANCE

breastscape® V1.0 offers seamless integration with the breastLoc plug-in which has been specifically designed for assistance with planning of biopsy procedures. By using this feature, you can effectively access all the essential measurements and parameters that may be used in planning MR guided breast interventional procedures

The solution is available with a complete collection of grids, blocks and needles to adapt to your clinical tools.

## KEY FEATURES

- Automatic computation of parametric maps ✓
- Analysis of morphologic and functional series (DWI, DCE) ✓
- Automatic subtractions ✓
- Automatic computation of volumes and distances ✓
- Areas of interest description ✓
- 4D MIP, MPR, 3D rendering of the volume of interest ✓
- Longitudinal analysis ✓
- Integrated BI-RADS® lexicon from ACR ✓
- Standardized report ✓
- Assistance in the planning of biopsy ✓

## DEPLOYMENT ADAPTED TO YOUR ORGANIZATION

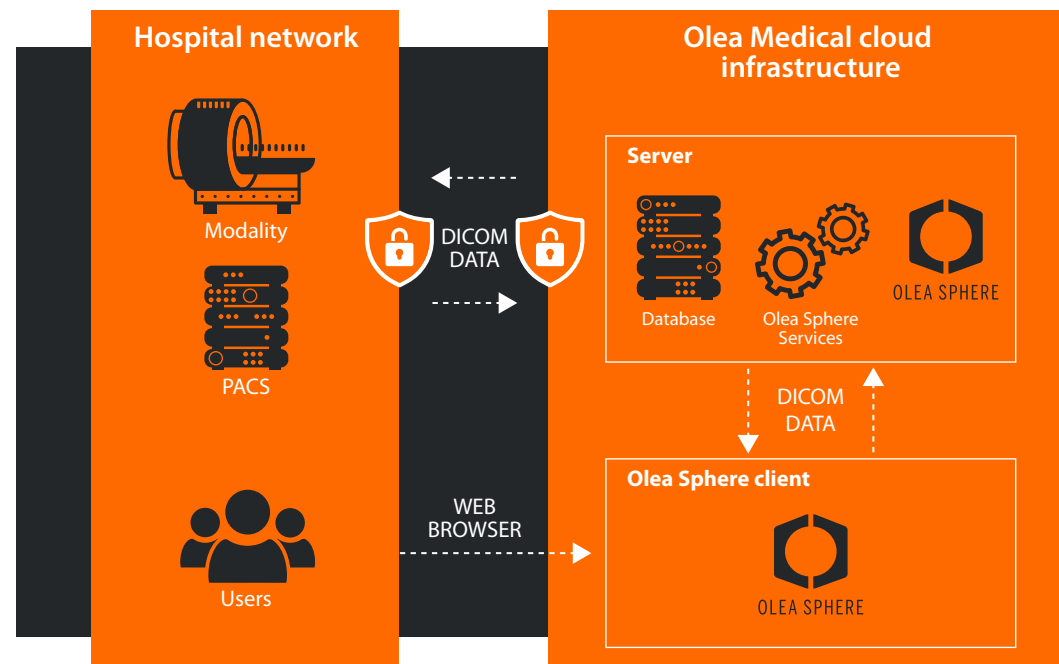
With breastscape® V1.0, you have the flexibility to deploy the system either on-premises or in the cloud, tailored to your healthcare institution's unique needs.

### CLOUD DEPLOYMENT



When the solution is deployed in the cloud, it relieves users of the burden of managing infrastructure and related complexities. Using AWS services, Olea Medical® guarantees optimal performance. The data is securely transmitted through a VPN (Virtual Private Network), and users can easily connect to virtualized clients through a web browser and no additional hardware is needed.

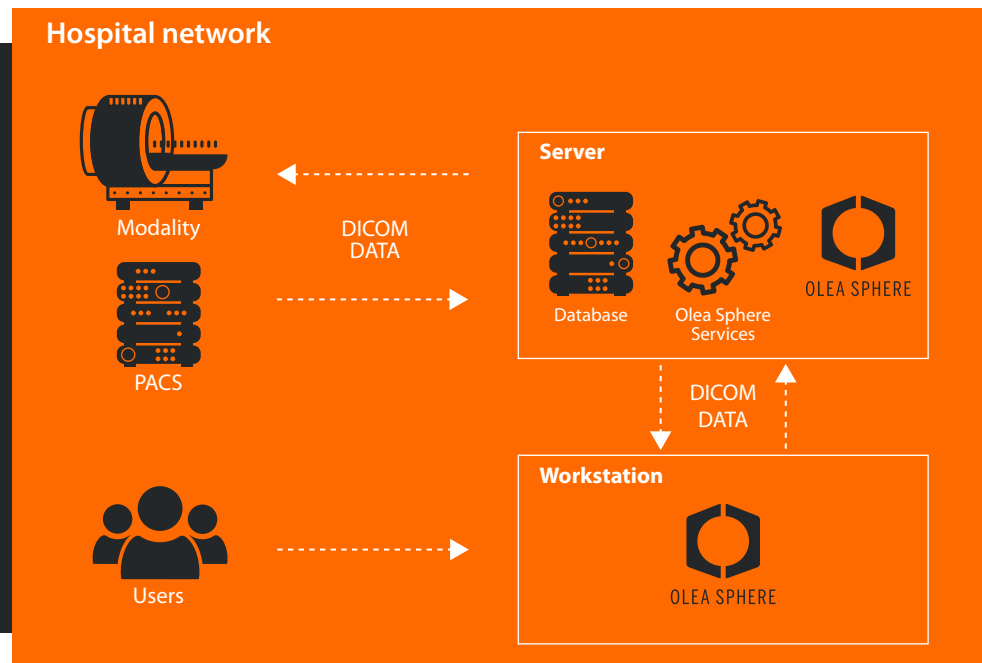
- Easy and fast deployment
- Secure data transfer through a VPN
- Secure access from any workstation
- No specific on-premises hardware required
- A scalable virtual application tailored to radiologists' requirements, accessible via a web browser through cloud technologies
- No health data is processed or collected by Olea Medical® for any other purpose than providing assistance with images reading and analysis, and planning of biopsy procedures
- Collaboration with AWS, a trusted partner and market leader in the cloud industry (ISO 27001, SOC 2 Type 2, HIPAA-Compliant, and more)



## ON-PREMISES DEPLOYMENT

When implementing the on-premises deployment option, your healthcare institution is responsible for providing and overseeing the host infrastructure, including its security, resilience, and performance. Our role is to supply the breastscape® V1.0 application as part of the comprehensive solution.

For this setup, a dedicated server is necessary to host Olea Sphere® services, and access to the application that is provided through workstations equipped with an Olea Sphere® client. To ensure optimal performance, it is essential that all workstations meet specified hardware requirements for breastscape® V1.0.



Regardless of the deployment type, breastscape® solution is designed to enhance and streamline your imaging process, bolstering your institution's capabilities. Whether you choose the cloud-based deployment with easy accessibility and secure data transfer or the on-premises option providing control and tailored solutions, breastscape® solution contributes to making better and more efficient decisions in daily practice of radiologists and healthcare professionals.

*"breastscape solution is very ergonomic and user-friendly. All the features are very useful for me but what I really appreciate is that I am not losing my time on additional clicks, so it increases my productivity. I can examine more patients and have time for a collaborative work and that is really great!"*

**Konstantinos Samiotis**

CEO & Founder  
at KSAM Medical Imaging Center



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Olea Sphere® v3.0 and breastcap® v1.0 medical imaging post-processing software, are medical devices manufactured and marketed by Olea Medical®.

These medical devices are reserved for health professionals.

These software programs have been designed and manufactured according to the EN ISO 13485 quality management system. Read the instructions in the User

Guide carefully before any use.

 <https://www.olea-medical.com/en/customer/connexion/>

Manufacturer: Olea Medical SAS (France)  
Europe: medical device Class IIa - CE0459  
US: medical device Class II

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09-2023 - OM-MKT-BREASTSCAPE-V01-EN