

# VSI - Virtual Surgery Intelligence

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New dimension of surgery



apo@lar

 virtual  
surgery  
intelligence  
**VSI**

# VSI Surgery

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## New dimension of surgery with VSI – Virtual Surgery Intelligence: Mixed Reality im Operationssaal

Ziel: Verbesserung der anatomischen Orientierung & Verbesserung des operativen Ergebnis

- Software für den Chirurgen
- CT/MRT-Bilder lassen sich 3-dimensional in einer MR-Brille (z. B. HoloLens) darstellen
- Modalitäten: Free- und Fixmode
- Möglichkeit der exakten Positionierung über OP Situs (Landmarkenerkennung)
- Normale Umgebung bleibt sichtbar
- Berührungslose Steuerung durch Sprache und Gestik

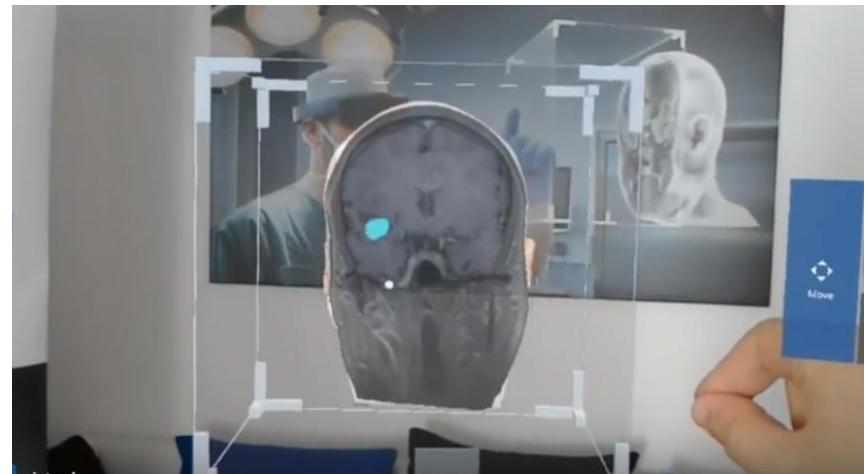
# VSI Surgery

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Unser Video:

<https://youtu.be/lmenCJxIG1A>



Unser Video:

[https://youtu.be/7wj\\_RzxG\\_Uk](https://youtu.be/7wj_RzxG_Uk)

# VSI Surgery start



## VSI Live Test im OP-Saal

06.09.2017 | HAMBURG



- Three senior doctors tested the virtual fusion of the 3D MRI with the operation situs last September.
- The MRI was placed on the patient's head.
- By using a slider, surgeons can go through individual layers until they have reached the location of the part which needs to be operated.

# Technologie

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**Holographic AI**

Transform healthcare with technology and medicine going hand-in-hand

[More information](#)

The banner features a dark blue background with a grid of circular icons in the upper left corner, each containing a white medical symbol like a brain, a heart, a stethoscope, or a test tube. The text "Holographic AI" is centered in a large, white, sans-serif font. Below it, a smaller paragraph reads "Transform healthcare with technology and medicine going hand-in-hand". At the bottom is a purple button with the white text "More information".

# VSI: Produktübersicht



VSI Surgery can be used before, during and after the surgery. It helps you prepare yourself before and improves orientation and performance while operating.



## VSI Patient Education

VSI Patient Education can be utilized to explain the progression of the disease to your patients and to educate them about their surgery.

More



## VSI Teaching

VSI Education can be applied as a training and education of assistant physicians and young surgeons.

More

- *On-Premise*
- *Cloud*

## VSI Manager



# VSI Patient Education

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# VSI Surgery - Frontend



User name: Dr. Mustermann  
Package: Basic  
Description: Patient 3

Synchronize

	Hide scene		Reset all		Adjustment		Change scan
	Onioning		Register scan	Patient 1			
				Patient 2			

...

Adjustment

	Hold slicer		Hide slicer		Invert culling		Sphere slicer
Reset Slicer							

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# VSI - Virtual Surgery Intelligence

New dimension of surgery

## Vielen Dank!

[www.apoQlar.com](http://www.apoQlar.com)

[www.vsi.health](http://www.vsi.health)

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