

Hyper Accuracy 3D®

Reconstruct. Plan. Treat.





GENERAL AND VISCERAL SURGERY

Hyper Accuracy 3D® (HA3D®) anatomical reconstructions can support you in identifying the correct position and extent of the tumor mass in complex cases.

The HA3D® model helps you streamline pre-operative planning and intraoperative support of complex surgeries for an accurate and patient-specific strategy.

In the context of general surgery, the HA3D® virtual anatomical models are especially designed to:

- Know and evaluate the relationship between healthy tissue and lesions
- More accurately analyze the course of the vascular system
- Analyze the relationships between vascular system and lesions
- Identify anatomical variants and anomalous vascular branches

To achieve the goal of a three-dimensional, highly accurate patient-specific anatomical reconstruction and optimizing surgeries, HA3D® was developed for you and your team.

WHAT ARE THE ADVANTAGES?



Fast response time

Thanks to the MyMedics cloud portal, our virtual HA3D® models are available in three working days



High interactivity

HA3D® models allow maximum freedom of interaction with the individual components of the anatomical reconstruction



Co-planning

The HA3D® models are the result of a collaboration between engineering and medicine: We support you throughout the whole process for a tailor-made result



Case analysis

Each HA3D® reconstruction is delivered together with a detailed report of the clinical case and the surgical planning study



Cloud-based

MyMedics allows you to obtain the HA3D® models in a few simple steps: Our technology is just a few clicks away, anywhere and anytime

WHICH SURGERIES?



APPLICATIONS IN GENERAL AND VISCERAL SURGERY

HA3D® provides both pre- and intraoperative planning support for you.

PRE-OPERATIVE PLANNING

- HA3D® model can help to determine the location and extent of the tumor to plan the optimized surgical strategy.
- According to your indications, estimates of the remaining and removed liver volume are performed.

INTRAOPERATIVE PLANNING

- Identification and resection of planned and simulated vascular branches in cases of complex anatomical variants.
- Reduction of the cognitive load for you.

The HA3D® model allows you to interact with the anatomy and study the case within the following specifics.

HEPATIC SURGERY

- Visualizing the vascular systems that supply the organ and the lesion.
- Knowing the spatial position and extent of the lesion.
- Simulating portal perfusion areas related to the portions of liver that must be resected.
- Increasing accuracy of resident surgical planning while decreasing amount of time required.

PANCREATIC SURGERY

- Knowing the position and extent of the lesion in relation to the healthy tissue of the pancreatic gland.
- Obtaining an estimate of the proximity of the lesion to the adjacent vessels by a chromatic scale for dimensional analysis.
- Improving the visualization and recognition of frequent and complex vascular variants in this particular anatomical area.



COLORECTAL SURGERY

- Knowing the exact position and extent of the tumor lesion in relation to healthy tissue.
- Improving the visualization and recognition of vascular variants and in situ lymph nodes.
- Planning partial resections more precisely.
- Highlighting the possible involvement of adjacent organs and the infiltrations of the mesorectum or mesentery.



The advantages offered by HA3D® models of parenchymal sparing liver resection, pancreatic surgery and colorectal surgery are particularly relevant to improve the precision of surgery in very complex cancer cases.

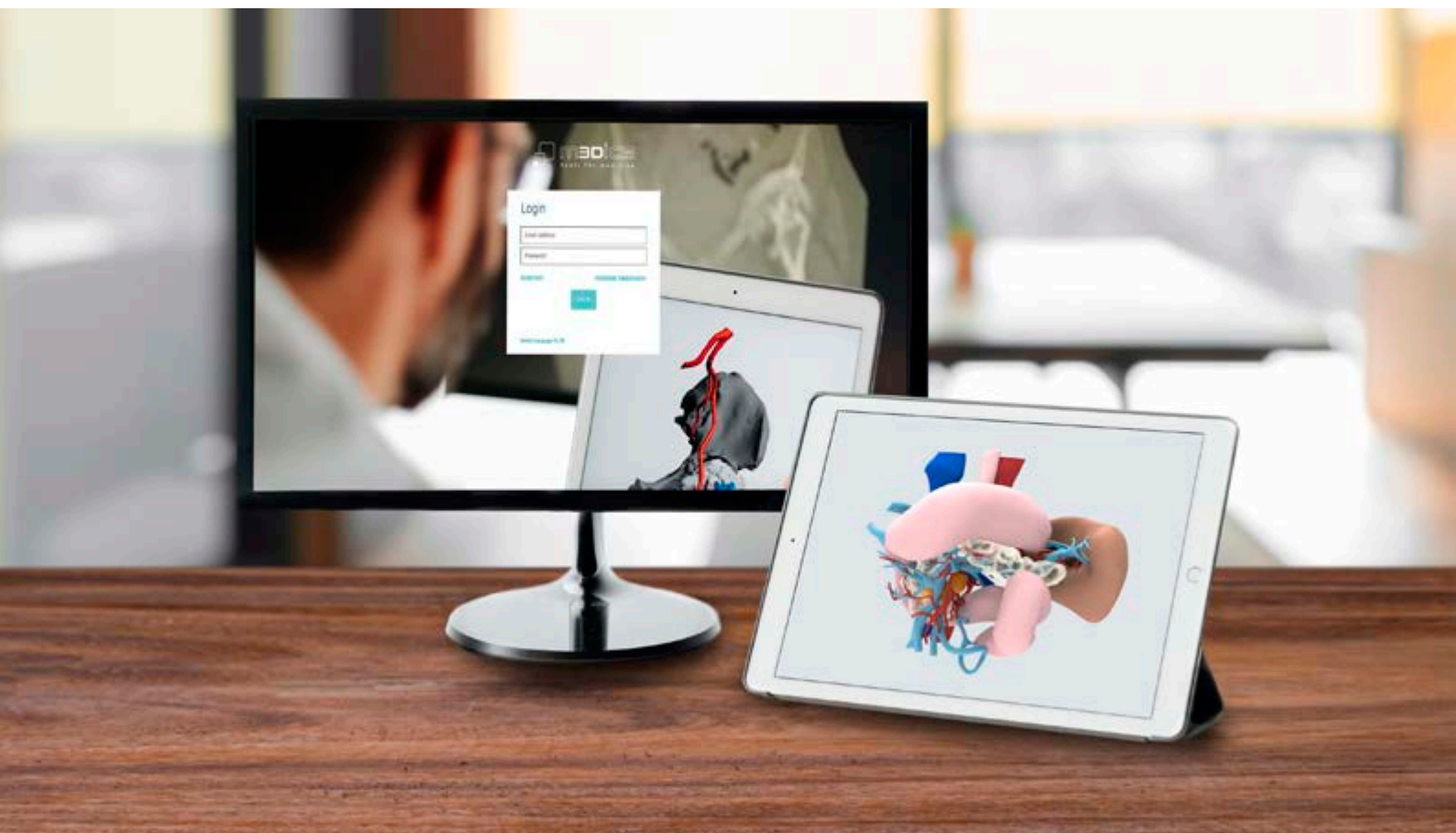
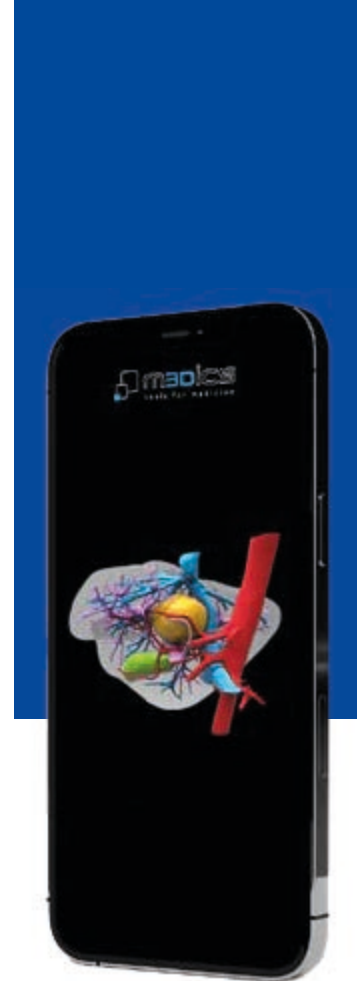
The possibility to visualize morphological and vascular variants and to evaluate the distance of the lesion from the vascular structures of interest allows you to perform the surgery more safely.

Representing this distance between the lesion and the vessels in the form of a color map, during the resection you can estimate the areas of interest most at risk, and which to focus on.

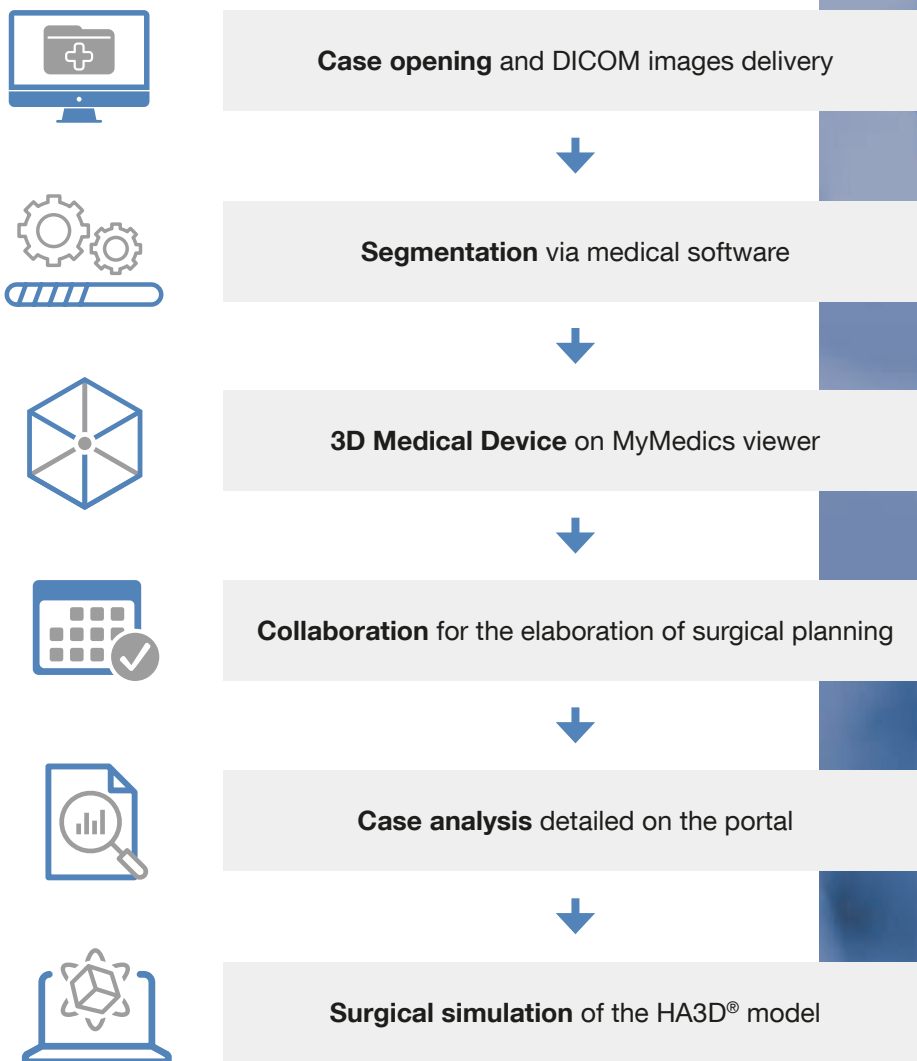
MyMedics: PLAN YOUR HA3D® MODEL

MyMedics is a cloud portal designed to help you improve and consolidate your communication with the engineers in charge of your HA3D® model.

It guarantees a constant interaction between you and the Medics engineers, optimizing the management of cases: From the submission of medical images - in compliance with GDPR regulations - to the visualization of the Medical Device and finally, the creation and delivery of the virtual HA3D® model.



HA3D[®] WORKFLOW - FROM 2D TO HA3D[®]



Hyper Accuracy 3D[®] and HA3D[®] are trademarks of Medics srl.

ITEM NUMBERS

WHA3DLAP-10	10 reconstruction licenses
WHA3DLAP-20	20 reconstruction licenses
WHA3DLAP-50	50 reconstruction licenses

It is recommended that the suitability of the products for the intended procedure be checked prior to use. Please note that the products listed here may not yet be available in all countries due to differences in approval requirements.

More than
75
Years

*Shaping the Future
of Endoscopy with you*