

Licensing

Free trial?
Contact us!

PER USER

- Cloud solution (Microsoft Azure)
- Get access to a powerful PC
- Windows, MAC, or Linux client (also, at home)
- Licensing per user (or group)
- Monthly or yearly license
- Access to cloud storage (e. g. OneDrive)

PER DEVICE

- Local installation on your PC
- Bring your own PC (with GPU)
- Windows 10 required
 - Unlimited local users
 - Monthly or yearly license
- Access to local or cloud storage

Features

DATA FORMATS

- Handle any imaging modality providing pixels or voxels: CT, MRI, PET, SPECT, US, FMT, BLI
- Multimodal data
- Large data sets

IMAGE PROCESSING

- Filtering
- Image fusion
- Feature map generation

SEGMENTATION

- 2D and 3D operations
- Atlas-based workflows

ANALYSIS AND QUANTIFICATION

- Distance measurements in 2D and 3D
- Region of interest quantification
- Batch quantification
- Bone parameters

VISUALIZATION

- axial, coronal, sagittal
- Interactive windowing
- Multimodal views in 2D and 3D
- 3D Iso, MIP and volume rendering
- Video generation

Contact

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Imalytics Preclinical

Software for
biomedical image analysis



Advantages

FAST INTERACTIVE WORKFLOW

The Imalytics Preclinical software uses the massive processing power of a GPU (graphics processing unit) to speed up processing time for segmentation and rendering, to achieve a fast interactive workflow.

EASY TO USE INTERFACE

The program is easy to use and does not need any prior knowledge. It includes an informative and well-understandable manual as well as several tutorial videos showing the first steps and basic analysis with the software. Users quickly learn to use the software after a few hours.

TUTORIALS

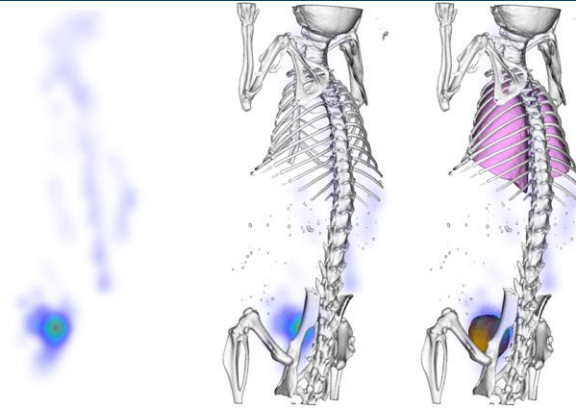
The Imalytics Preclinical software is installed with more than ten tutorials for different example applications. The tutorials are provided as videos with an example data set. The videos have built-in subtitles in English, Chinese, German, and French. All the training videos come along with the data set that is shown in the respective video tutorial. Thus, the user can practice with the same data set.

WORLD-WIDE ACCESS

With the Microsoft Azure Cloud, Imalytics Preclinical can be used on every computer (Windows, MAC) and is a perfect home office solution.

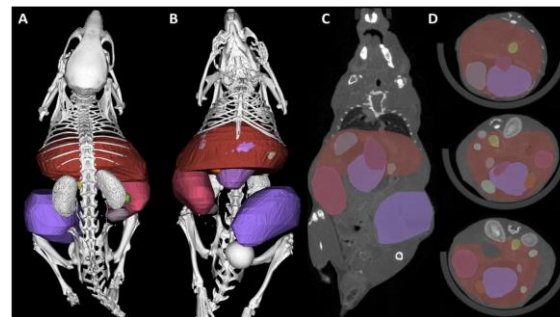
Applications

NUCLEAR AND OPTICAL IMAGING: SIGNAL QUANTIFICATION



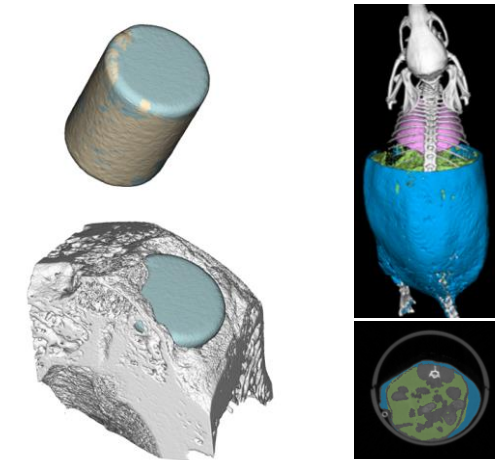
CT-based organ segmentation allows to quantify fluorescence, bioluminescence, PET, or SPECT signals in organs of interest such as the urinary bladder, the heart, kidneys, liver, or existing tumor and metastases.

ONCOLOGY: TUMOR SEGMENTATION



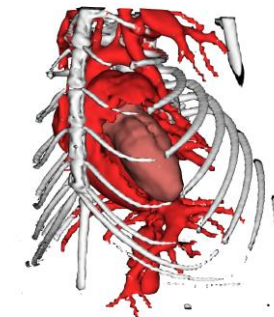
Cancer research is one main application field of the Imalytics Preclinical software. Using the software, tumors and metastases can be detected, their exact localization and extension can be visualized in 3D, and their volume and diameter can be determined.

BONE and FAT ANALYSES



CT data can be used for in vivo tracking of tissue implant resorption and to characterize calcifications. One single μ CT scan can be used to perform fast and automatic fat segmentation and to distinguish visceral (green) and subcutaneous (blue).

CARDIAC IMAGING



Imalytics Preclinical supports CT image-based assessment of the vascular system such as visualize changes in the blood vessels or calculate the left ventricular ejection fraction.