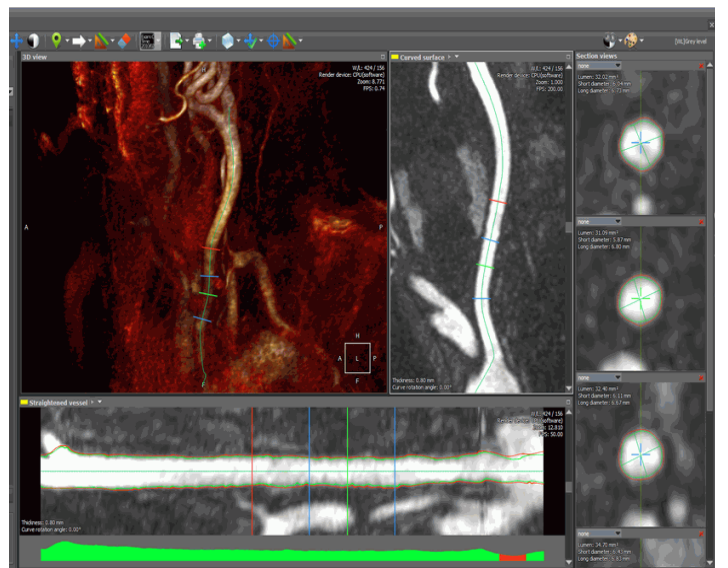
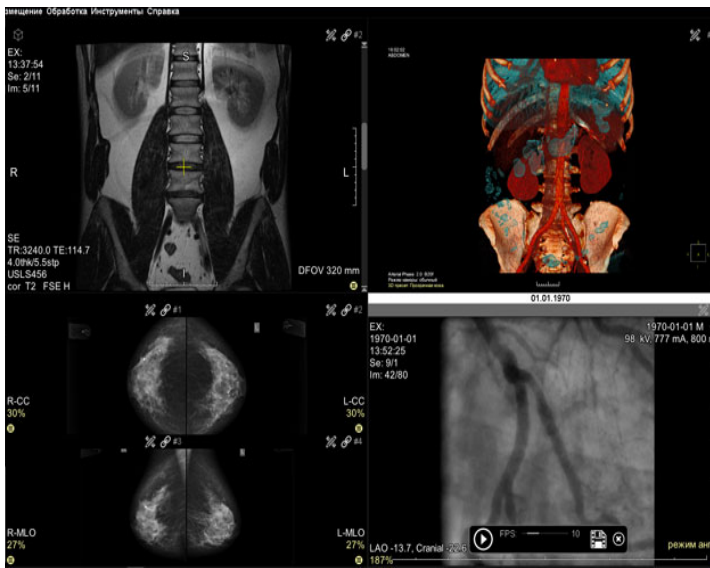
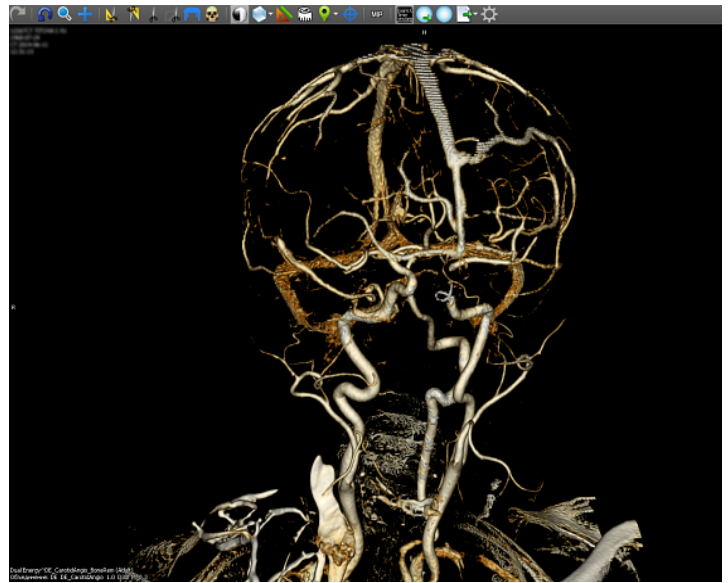


Advanced Processing Station



Advanced as it goes

Stupid Simple & Straightforward....

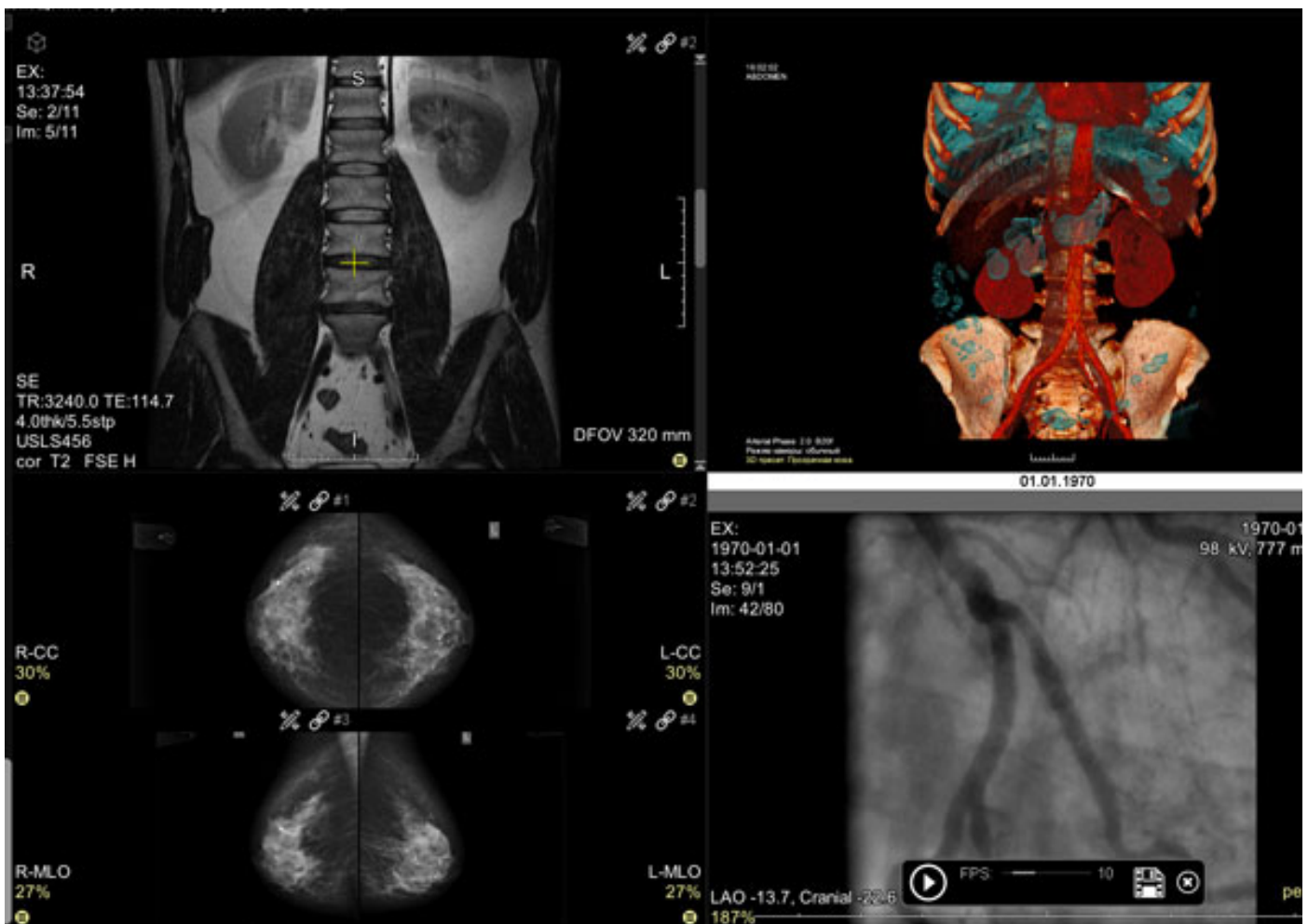


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Default Features

Multi-Modality Viewing

Roseraster is an advanced DICOM software which have got wide array of tools for processing the data from almost all modalities. Which makes comparing all studies of a patient at the same time very easy, Software even integrates ECG viewer which is stand out feature.



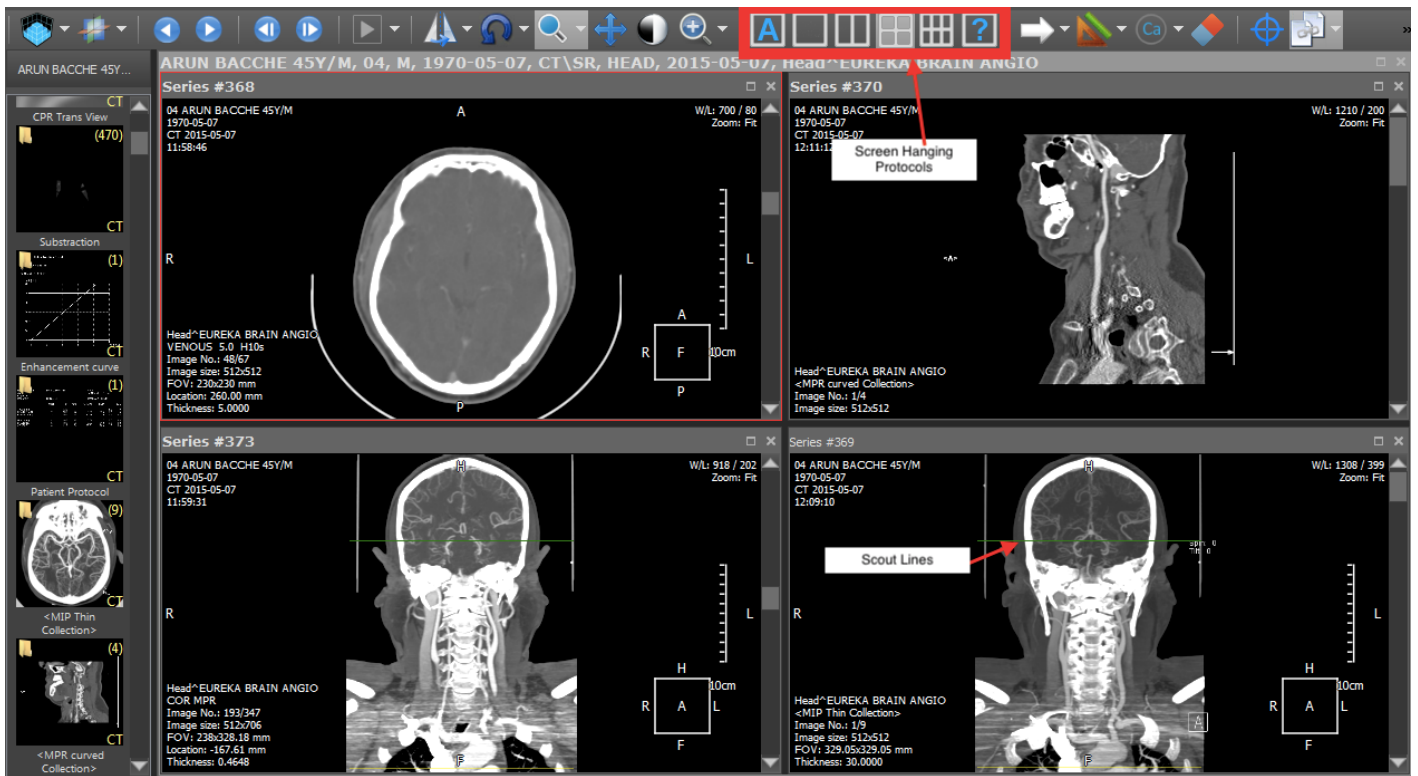
Comparison

Roseraster allows side by side comparison of 2 series of same patient, 2 different studies of same patient quite in single click, It even allows comparison of 2 different studies side by side for academic purpose very easily. The series can be synchronized while scrolling. The studies can be compared in MPR mode with multi monitor configuration. It has got single click screen arrangement tool as shown in pictures below

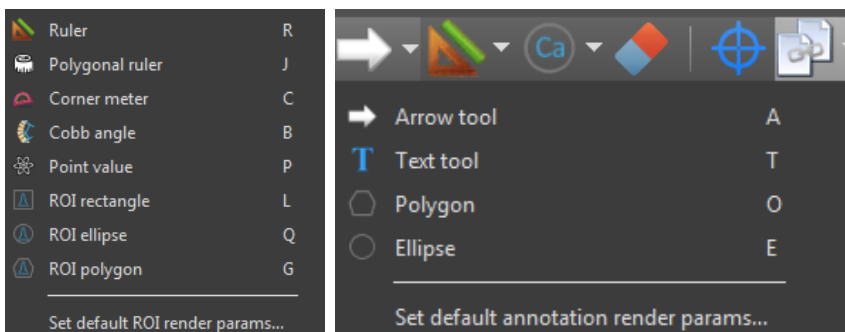
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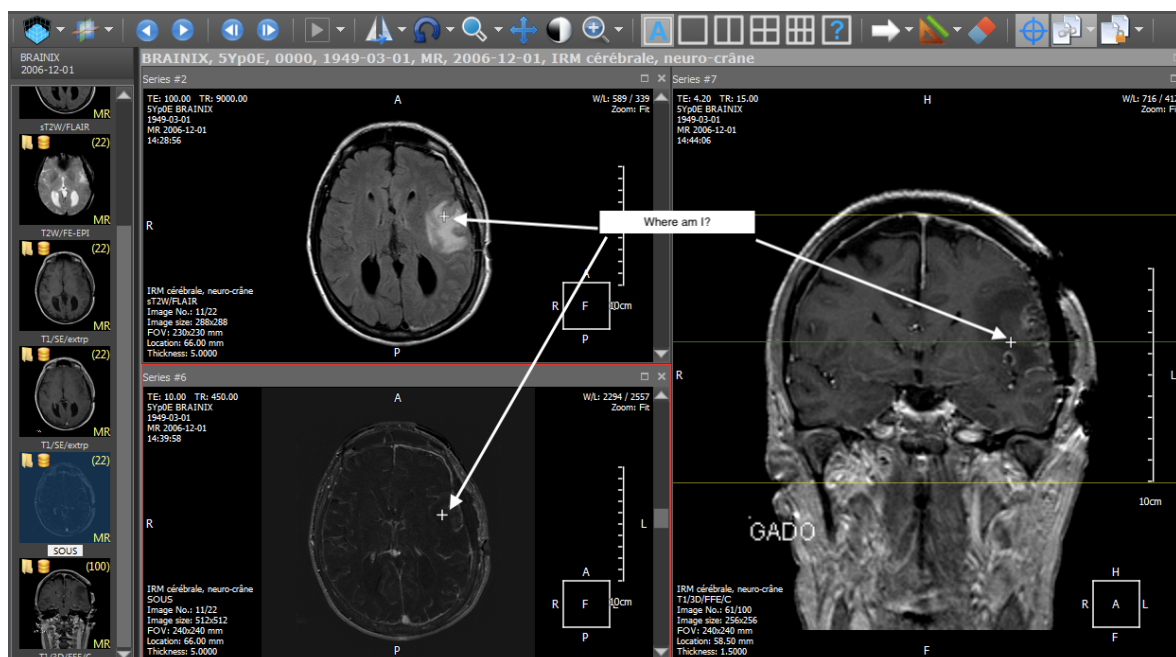


Measuring Tools

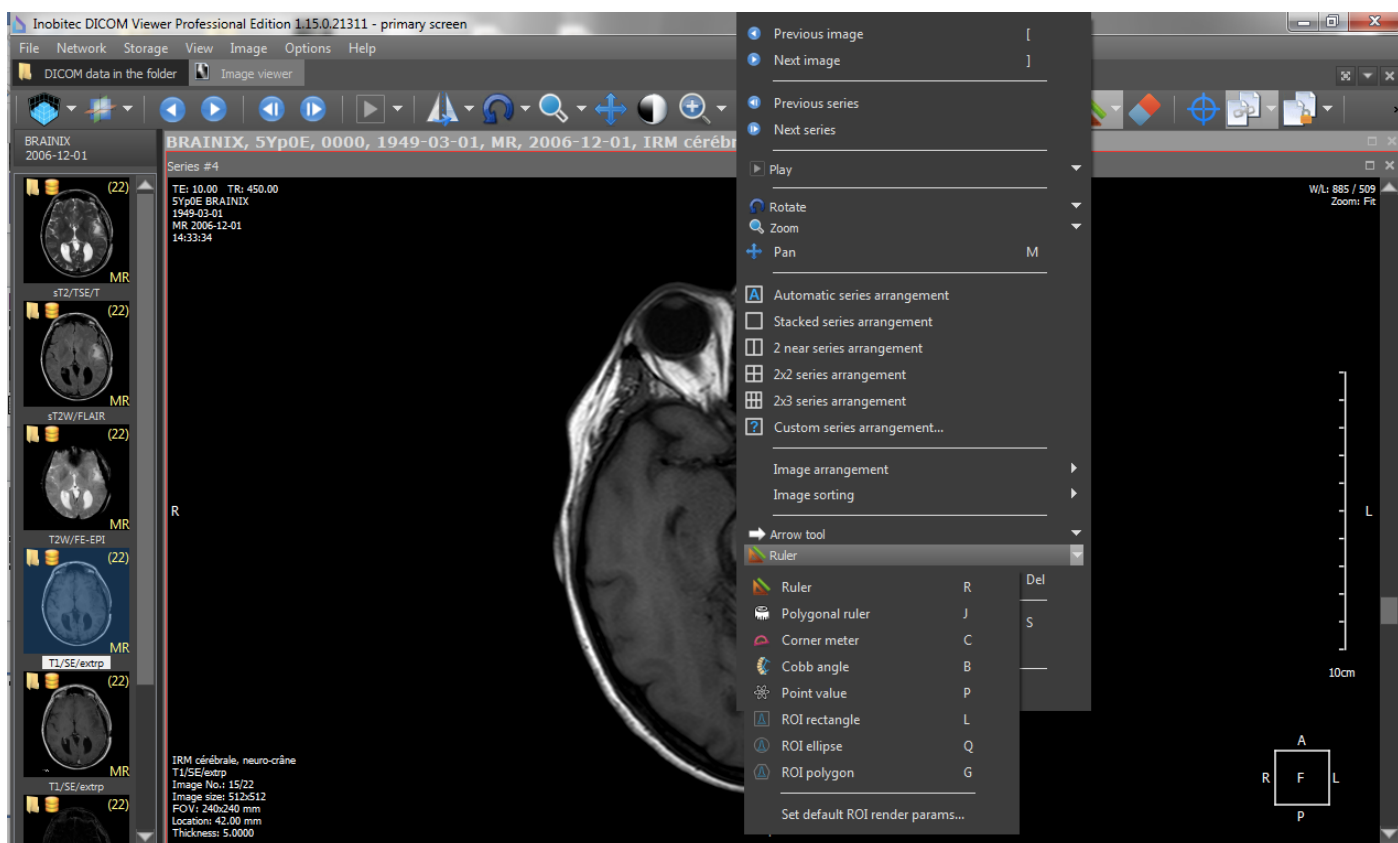


Wide array of measurement & annotation tools at your disposal. Even they have keyboard shortcut if that's your style!

3D Pointer: For tracing your finding on other views/acquisitions/series.

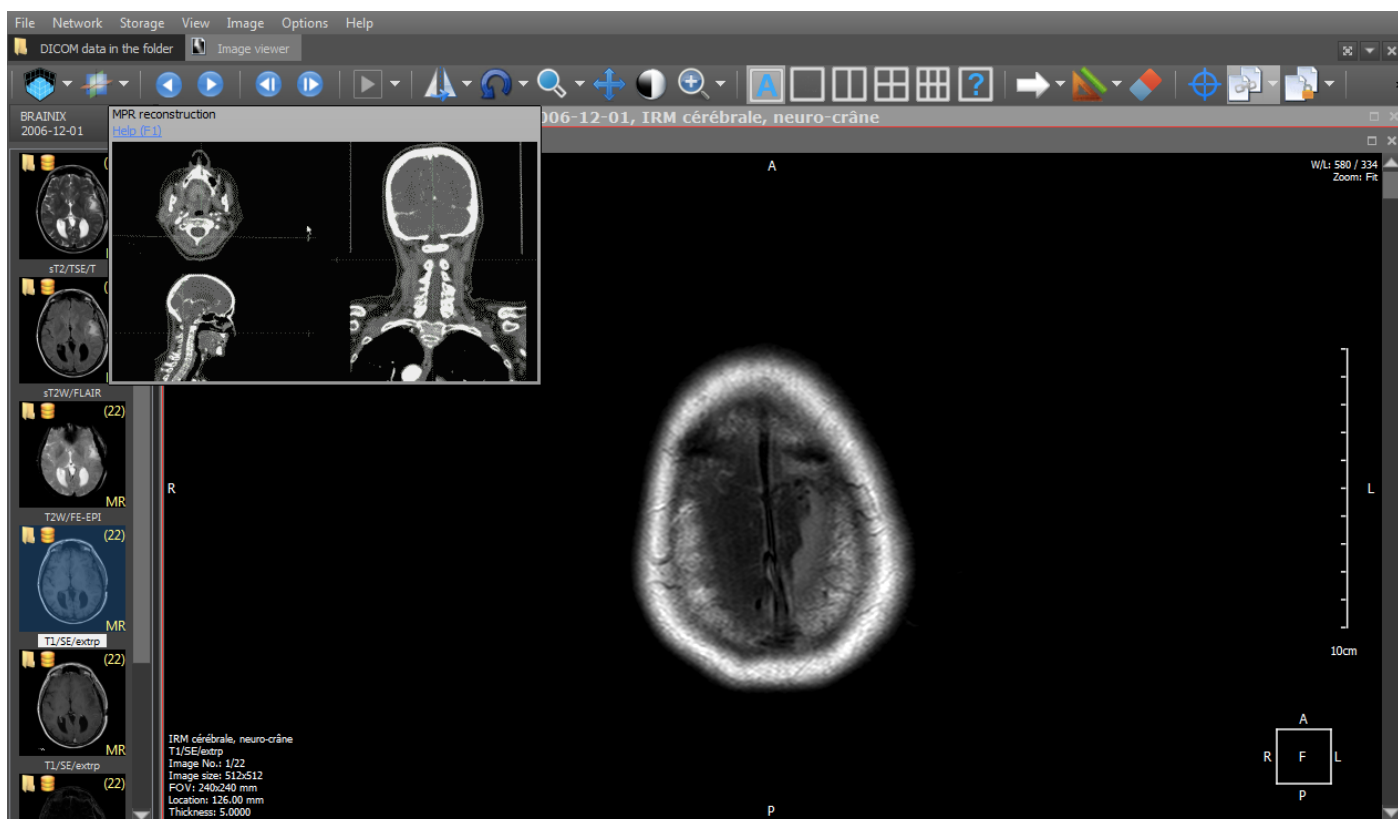


No learning curve: Everything Important at RIGHT CLICK!

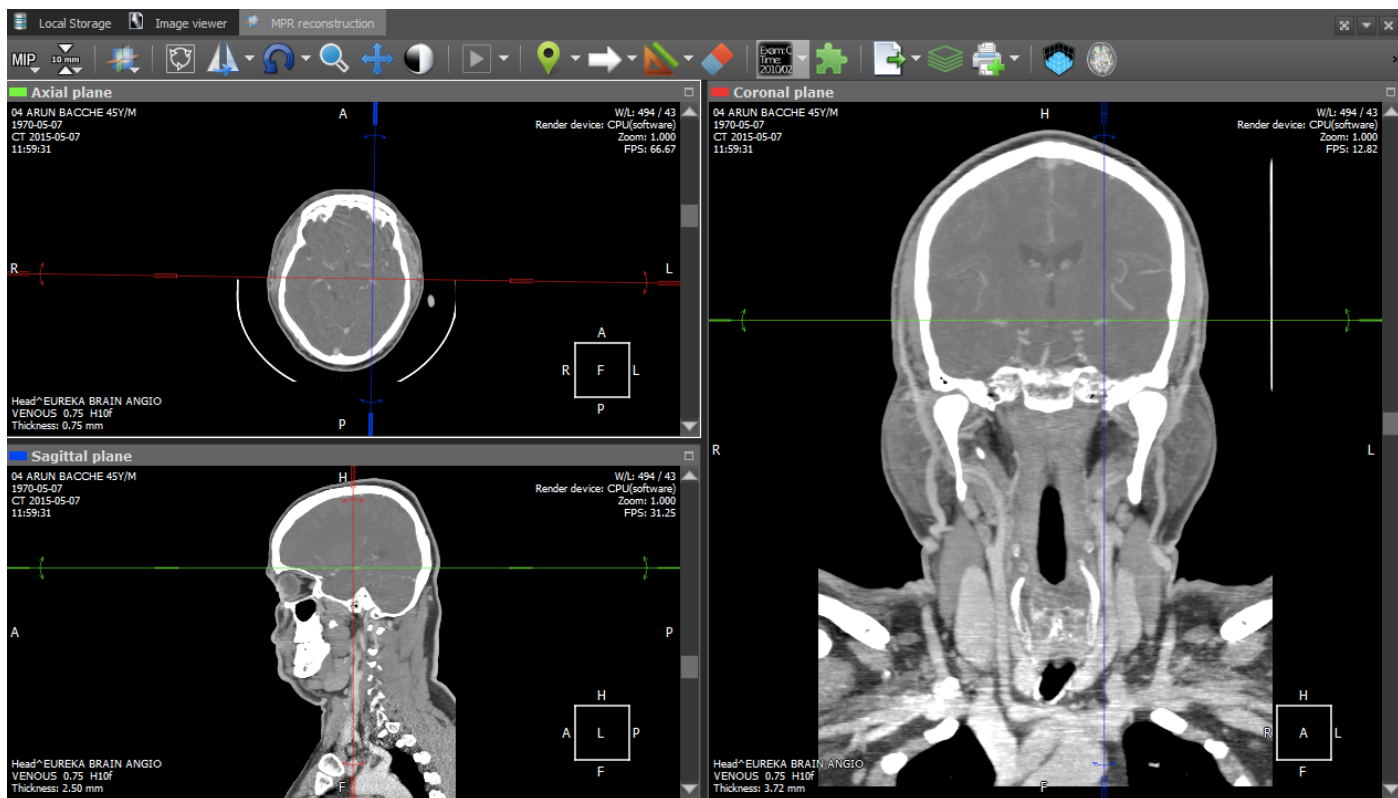


No learning curve:

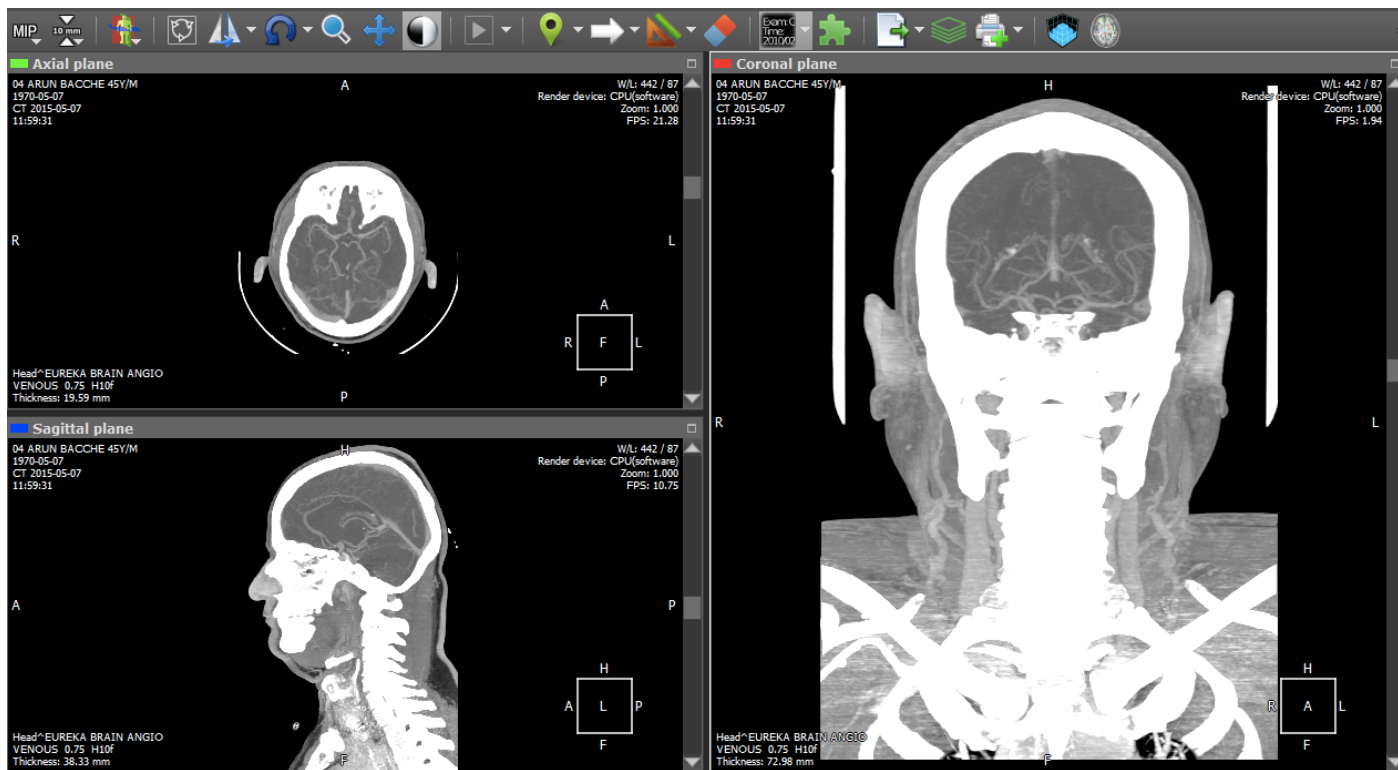
Intuitive Video User Manual: Don't Know what that button do? Just point mouse & video Manual will tell you the secret!



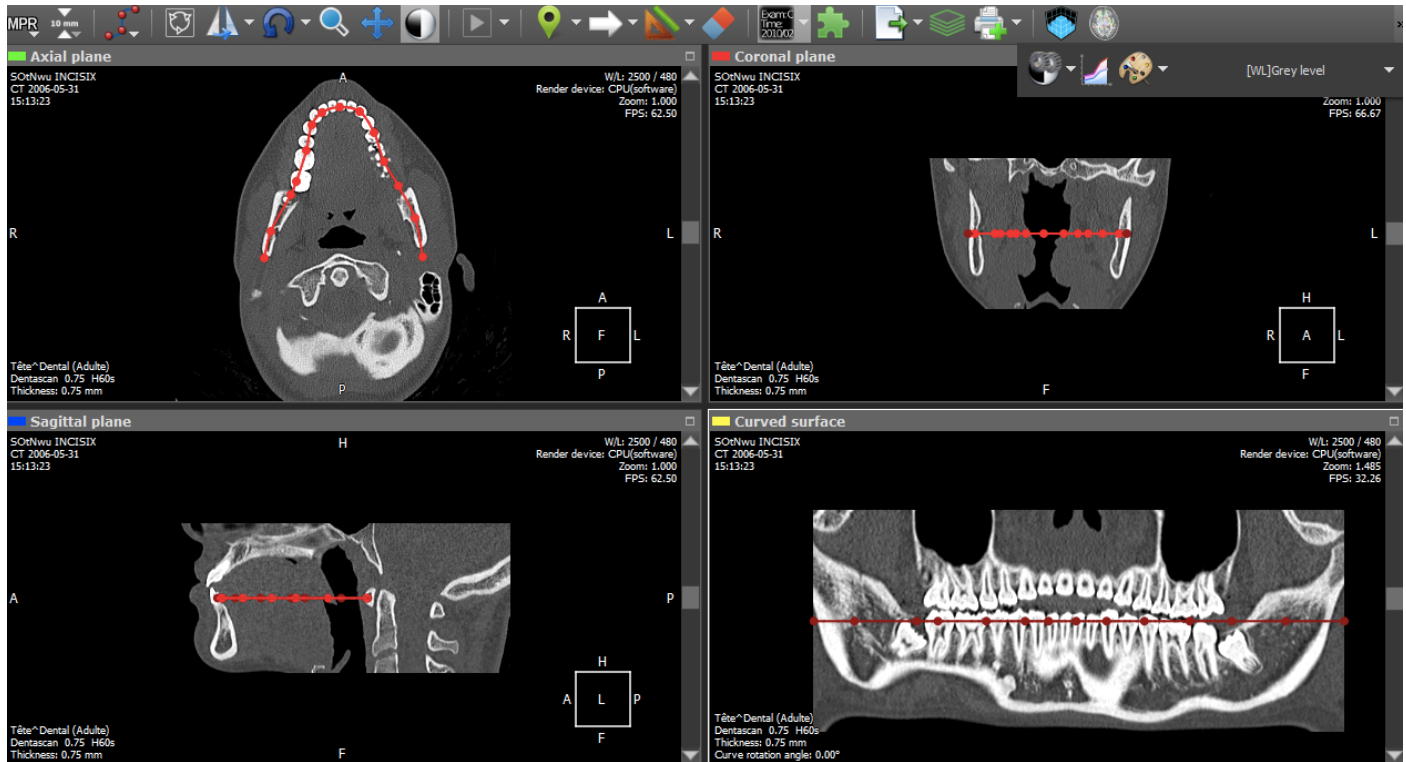
MPR: Multiplanar Reconstruction



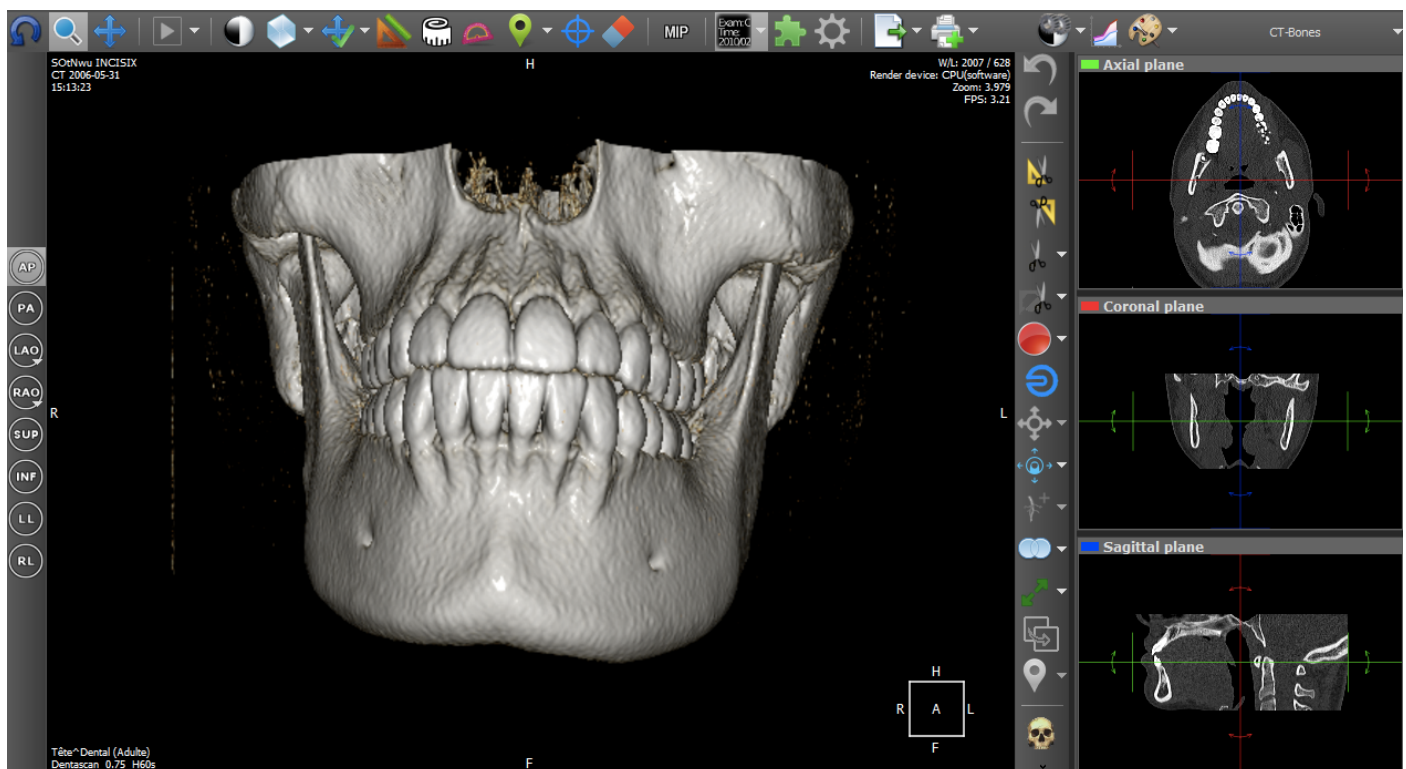
MPR: Multiplanar Recons with adjustable THICK SLAB within!



MPR: Curved MPR Mode



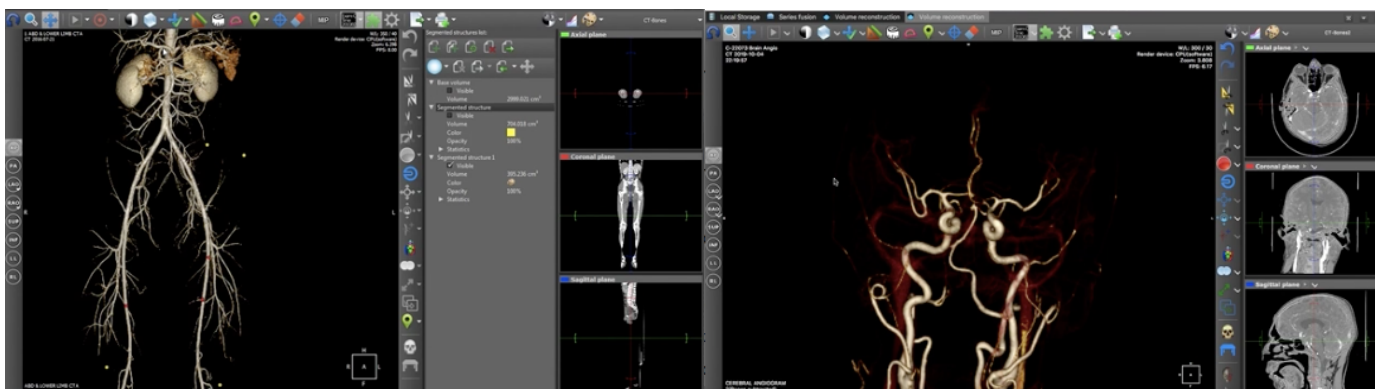
GPU Volume Rendering:



3D Volume Rendering:

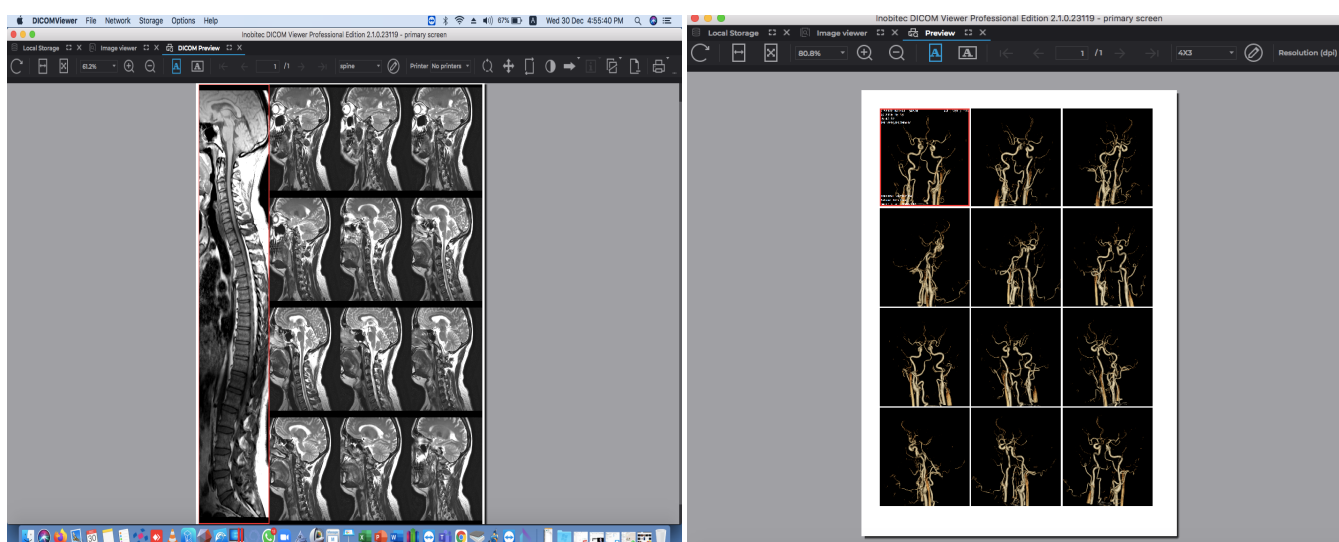
Bone removal, Crop, Zoom. Series saving. Printing

Advanced Segmentation:



Advanced Segmentation Module: Brain Angio DSA with plain & contrast data, Spine Series level stitching, X-Ray Stitching, Single click circle of Willis, Single click Angio. Liver segmentation & volumetry, Tumor segmentation & volumetry, Export STL surfaces to Surgical navigation robots or 3D printers.

Film & Paper DICOM printing

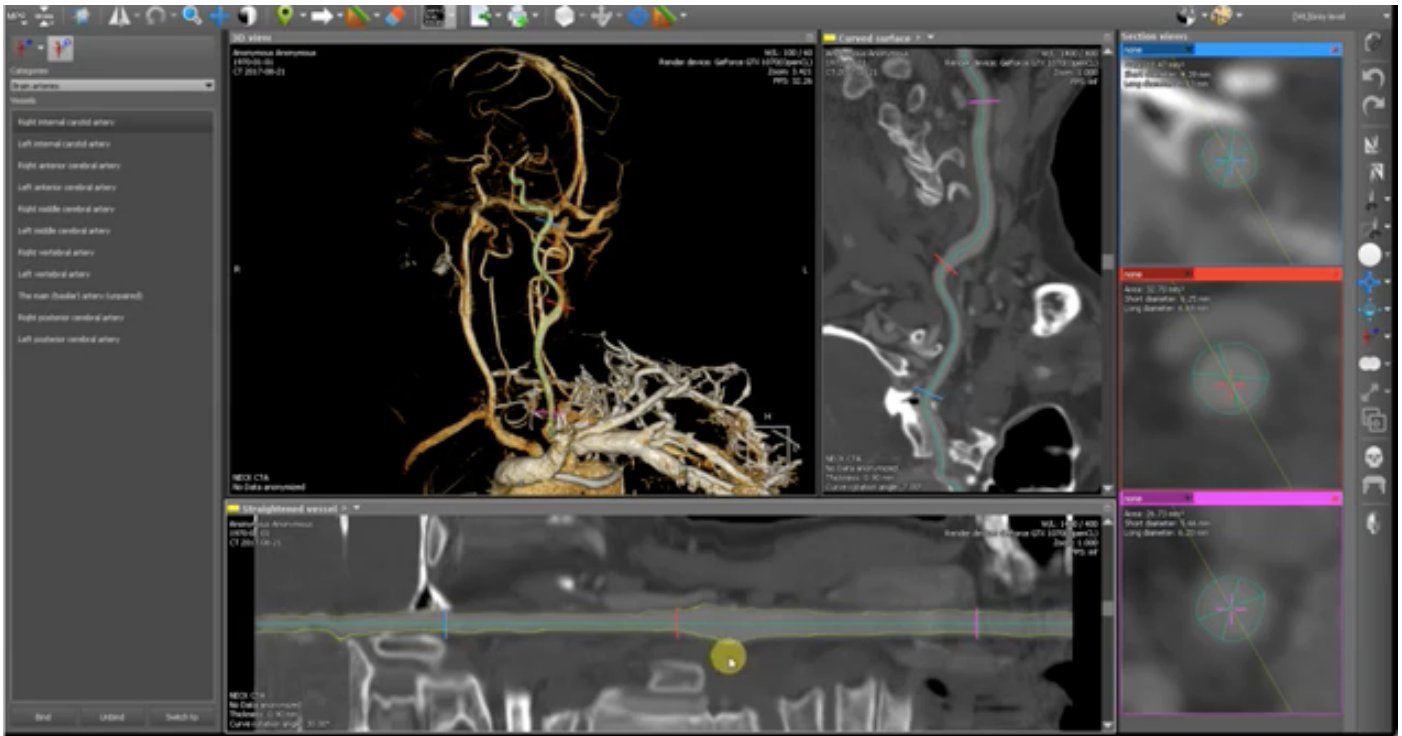


Make film formats on the go. Save any number of customizable formats as per your need. Film & Paper printing both. Zoom, PAN, Contrast & Annotations on film, Export film as PDF. Color Images on color paper printer.

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OPTIONAL MODULES

Advanced Vessel Analysis Module (Optional Module)



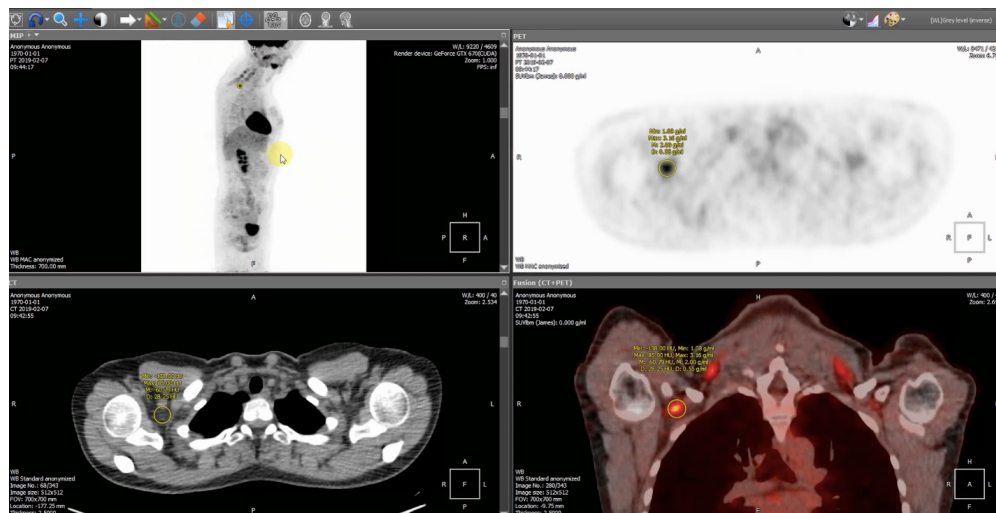
DSA subtraction of plain from contrast, One Point or two point vessel tracing, Trace multiple vessels at same time & save results for review later, Auto identification of vessel lumen & wall, auto Diameter calculation. Semi auto guided labeling of vessels.

Coronary Analysis Module with “Auto Lumen Detection, Calcium Scoring & Stenosis” : (Optional Module)

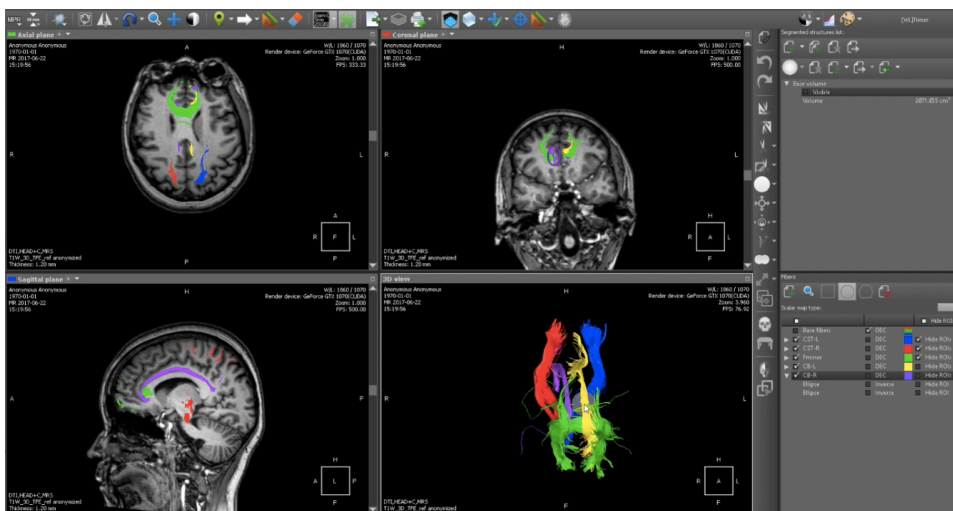


- Single or 2 point tracing
- Save multiple vessels
- Auto Lumen detection
- Auto Calcium scoring

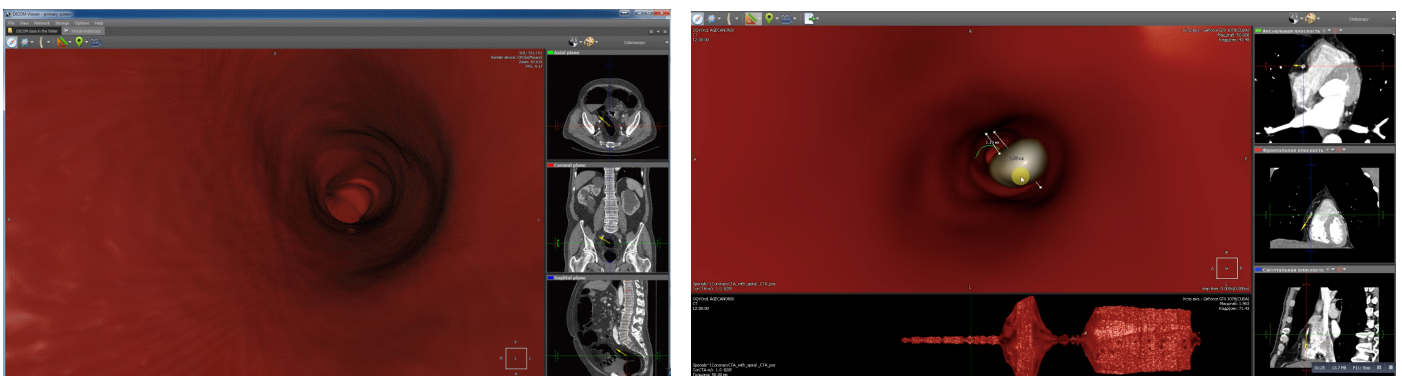
PET CT Analysis Module: Fusion, 3D ROI & "SUV: Body Mass, LBM, Body Weight, BSA " : (Optional Module)



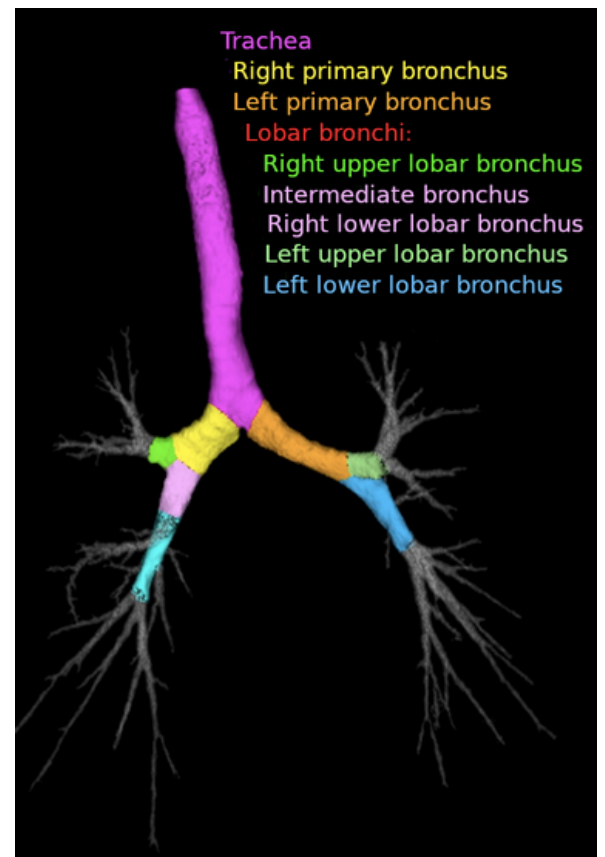
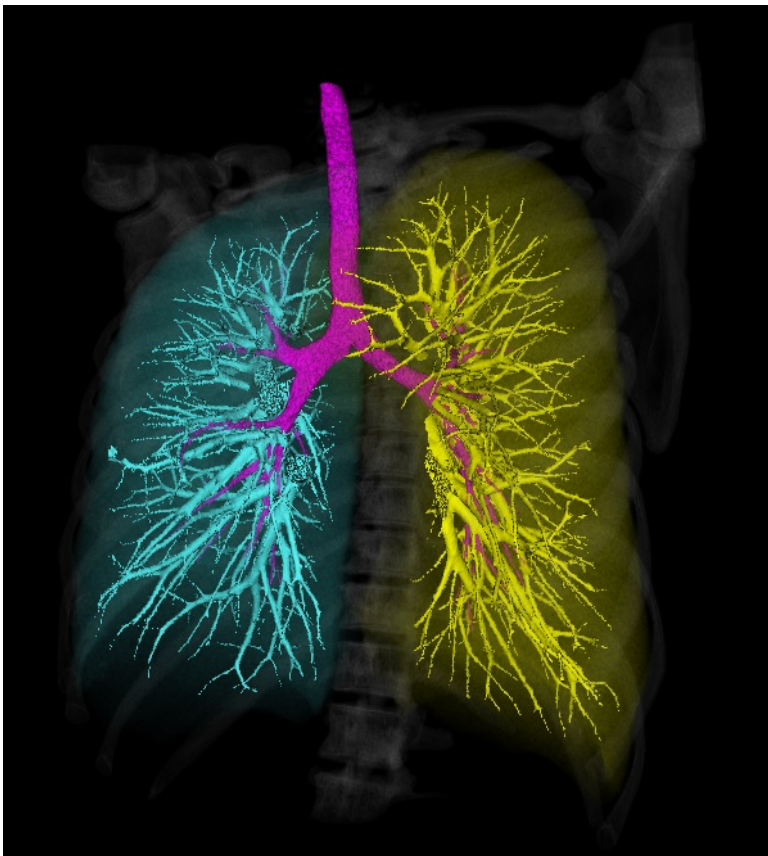
DTI Module with Export to Neuro Navigation : (Optional Module)



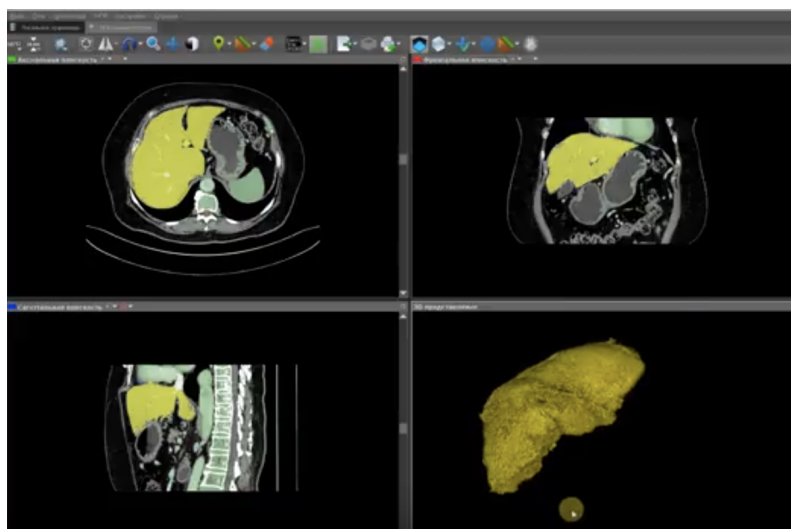
Virtual Endoscopy: Air Filled & Contrast Filled Both



Lung Lobular Airway Segmentation:

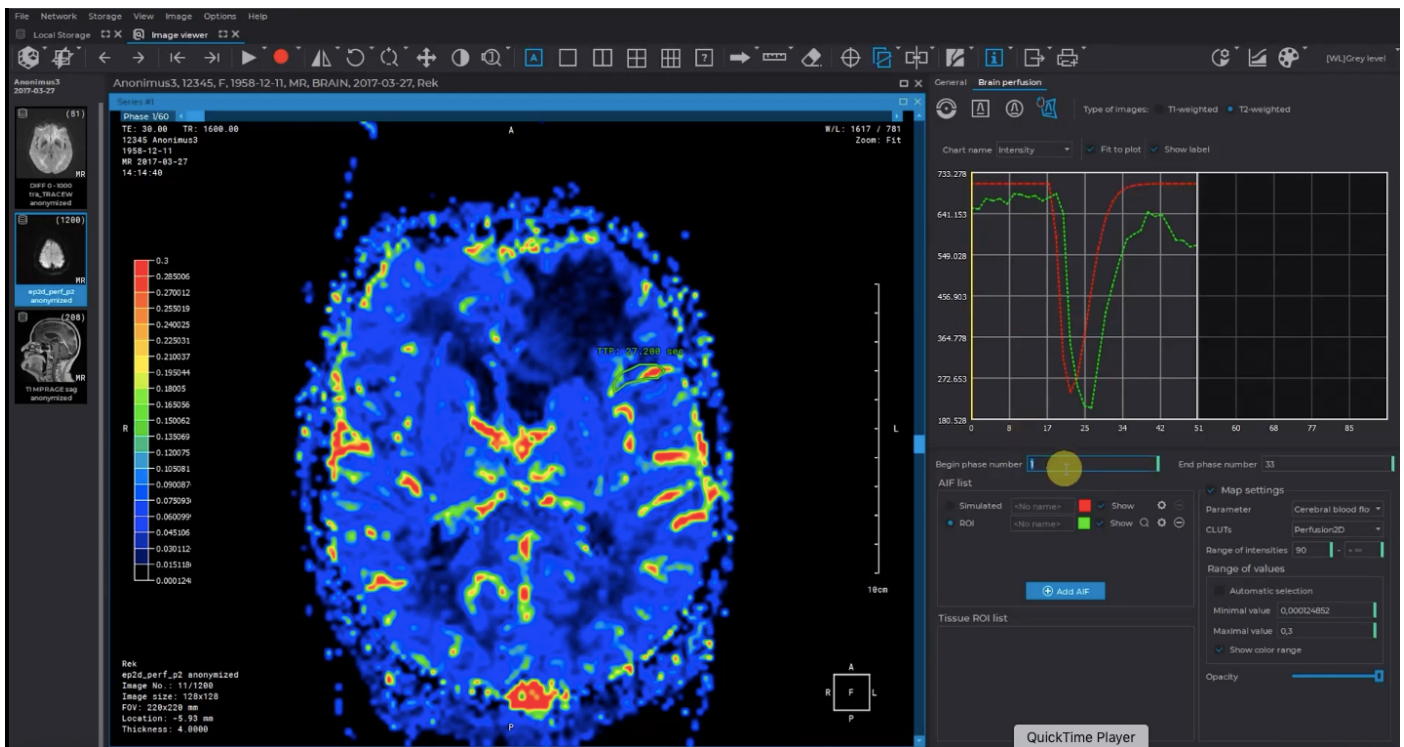


Liver Segmentation



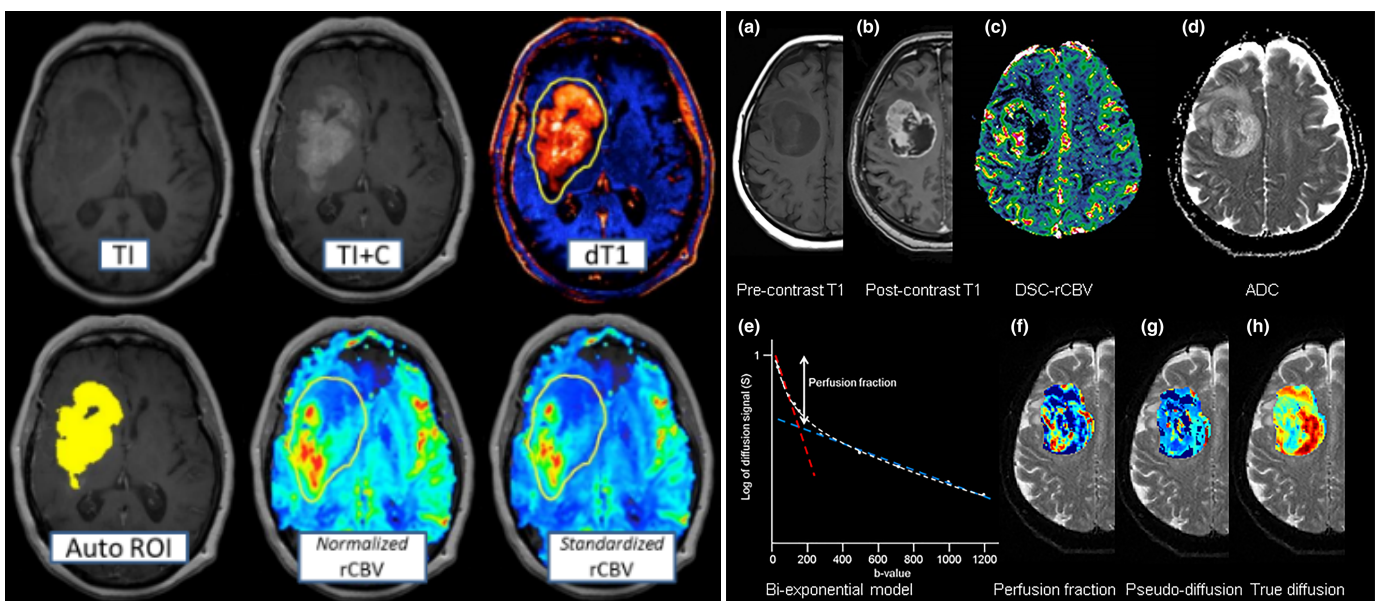
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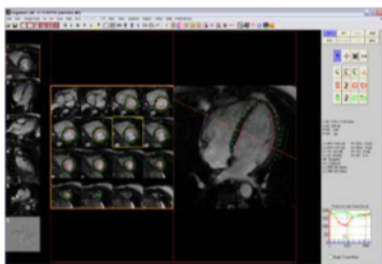
Neuro Perfusion: Basic Parameters only (CBV, MTT, TTP & TMAX) (Optional Module)



Third Party Integrated Modules

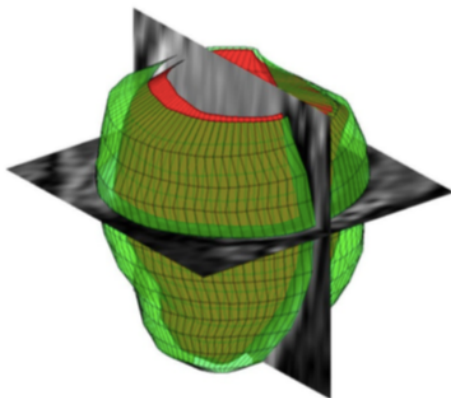
Neuro Perfusion: Advanced: Basic Parameters + Tumor Grading + DCE Perfusion + Diffusion + Mismatch





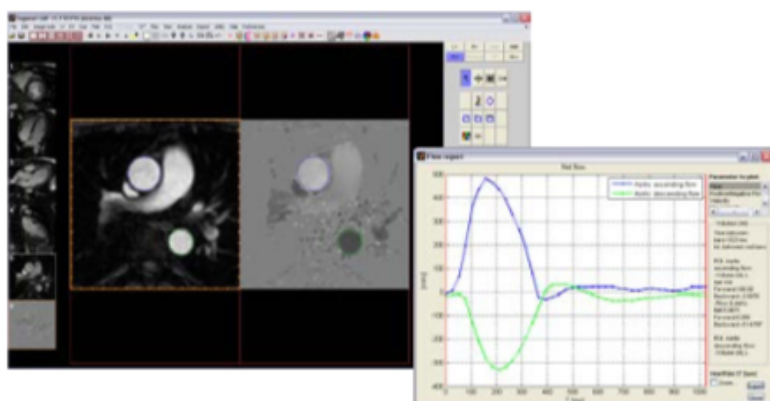
Automatic Segmentation

- Fast, accurate and reproducible
- Fully automatic LV segmentation
- Semi-automatic RV segmentation
- Easy manual interaction tools
- Include or exclude papillaries



Global function

- Myocardial mass
- Ejection fraction
- End-diastolic volume
- End-systolic volume
- Cardiac output
- Stroke volume

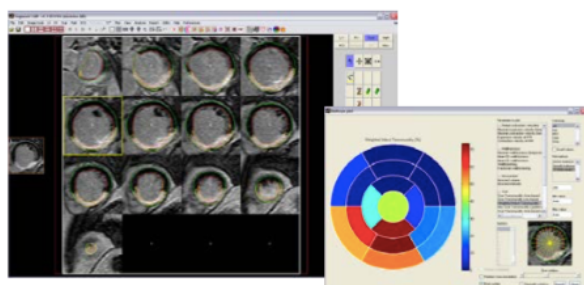


Flow

- Automatic vessel tracking
- Flow quantification
- Regurgitant fraction analysis
- Shunt analysis

Viability

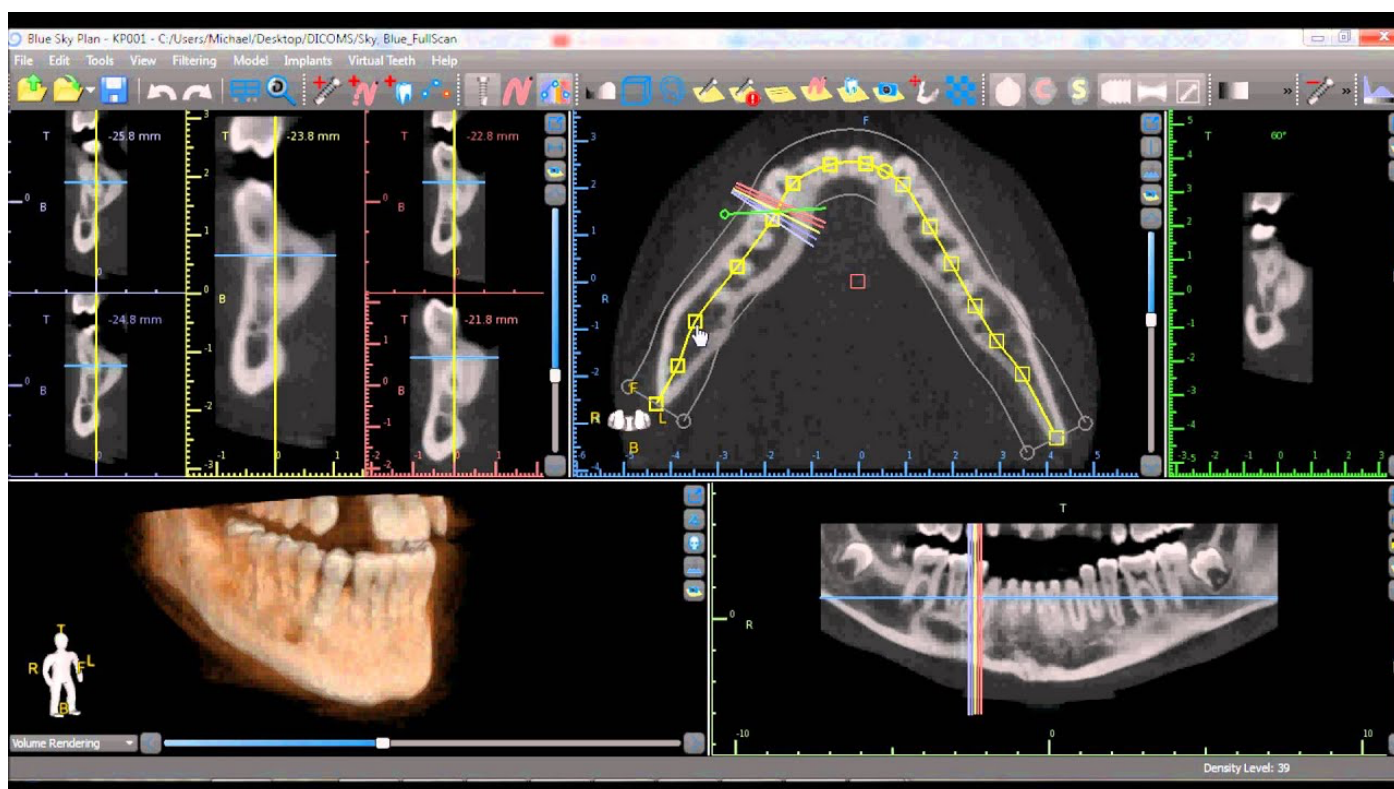
- Fully automated segmentation
- Partial volume effect compensation
- Extensively validated
- Transmurality as bull's eye plot



Regional function

- Wall thickness
- Wall thickening
- Bull's eye plot based on 17 segment AHA model

Dental: Implant Planning Module



Dental: Orthodontic Planning & ALIGNERS

