MedDream DICOM Viewer v8.4.0

IHE XDS-I.b PASSED

FDA K222320 510(k) CLEARED

CE 0197 Class IIb certified

NEW RELEASE

8.4.0 medDream

HTML5 ZERO-FOOTPRINT DICOM Viewer

NEW FEATURES

CAD marks
CAD SR findings on mammography images.

DICOM Overlay
DICOM Overlay in GUI (enable/disable).

Curved MPR
Curved Planar Reconstruction (CPR) feature.

Lossy compression
JPEG 2000 20:1

Displaying the compression type and ratio.

IMPROVEMENTS

MIST Oblique
MIP thickness up to 600 mm.

Fusion
Transparency level and Color palette tools in MIST Oblique.

Zoom
Zooming is mirrored when Align & Lock Left/Right is activated.

Crosshair
Works between 2D views and MIST Axial, Coronal, Sagittal reconstructions.

Advanced PET Fusion
Opening multiple PET reconstructions. Spin feature - rotating the Sagittal/Coronal reconstructions around the X axis.

Montage
Shortcut. Patient ID, Name, and Study Date are shown. Comparison study is highlighted. Window can be minimized.

KO/PR saving
User information, selecting description from the list (configurable).

Hanging Protocols v2
Possibility to open MIST Oblique for the series automatically.

MEASUREMENTS

Horizontal line
Horizontal tool for NM modality studies.

Flexpoly and Area
Statistical information is shown.

INTEGRATION

API

Communication API
- Get DICOM tags and show in the viewport;
- Get Hanging Protocols list and set them.

Viewport API
- Refactored the functionality;
- Set created annotations as read-only, change color;
- Get Patient's Date of Birth.

NEWS

New design: MedDream | SendToPACS functionality
User-friendly, modern design based on the MedDream user interface!

New certification: ISO/IEC 27001:2022
ISO/IEC 27001:2022

The world's best-known standard for information security management systems (ISMS).

Release notes

MedDream DICOM Viewer v8.4.0 (2024-04-15):

- New functionality: displaying **mammography CAD SR findings** information on images, show/hide function available;
- New functionality: created possibility to show **DICOM Overlay** in GUI (possibility to enable/disable);
- New functionality in MIST Oblique - **Planar Reconstruction (CPR) Curved;**
- New functionality: **Horizontal tool** for NM studies;
- New functionality: the viewport will display the compression type and ratio for **lossy compression images;**
- Possibility to add/remove plugins and change some settings in application.properties without restarting MedDream;
- New functionality - MedDream Auto Login by Active Directory SSO;
- New functionality - **Advanced PET:** opening multiple PET reconstructions. Sagittal or Coronal reconstructions possibility to rotate around X axis;
- Improved **Flexpoly** and **Area measurements**: added statistical information as in Ellipse measurement;
- Improved **Zoom** functionality: zoom is mirrored when Align & Lock Left/Right is activated;
- Improved Multi series layouts: added 3x2, 3x3, 4x3 combinations;
- Improved/fixed Live Share functionality: measurements can be shared;
- Improved/fixed **Montage** functionality: added a shortcut to add image into Montage, improved montage saving (remain the same layout as in view), added in montage view patient ID, name, and study date; Comparison study date is marked with a gray color; Added possibility to minimize Montage window.

Release notes

MedDream DICOM Viewer v8.4.0 (2024-04-15):

- Improved **Crosshair** functionality - to work between MIST Oblique and other views in the viewports;
- Improved **MIST Oblique** - Added possibility to set bigger MIP values in created reconstructions;
- Improved **Fusion** functionality - possibility to use Fusion with MIST Oblique. Added fusion management tools to set transparency level and Color palette functionalities.
- Improved 4D Tools functionality - added possibility to mark matching description series, improved filtering and marking functions.
- Improved **KO/PR saving** - added user information on saving PR, possibility to select PR description from the list (configurable); to store inversion information in PR.
- Improved **HP v2 version** - added the possibility to set the matching series number in the series conditions, and the possibility to automatically start MIST Oblique for the series.
- Improved ECG functionality - the grid color was changed.
- Improved ANONYMOUS_VIEW permission - Accession Number value is included in the anonymization list.
- Improved Token functionality: added possibility to configure basic-auth validation;
- Improved **Communication API:** added method to get DICOM tags information and show it in the viewport; added methods to get Hanging Protocol list and set them.
- Improved **Viewport API:** breaking changes in Viewport API functionality, check documentation before updating. Possibility to set created annotations as read-only, set different colors; Method to get Patient Date of Birth;
- Updated dependencies and 3rd party libraries.

New feature: CAD marks

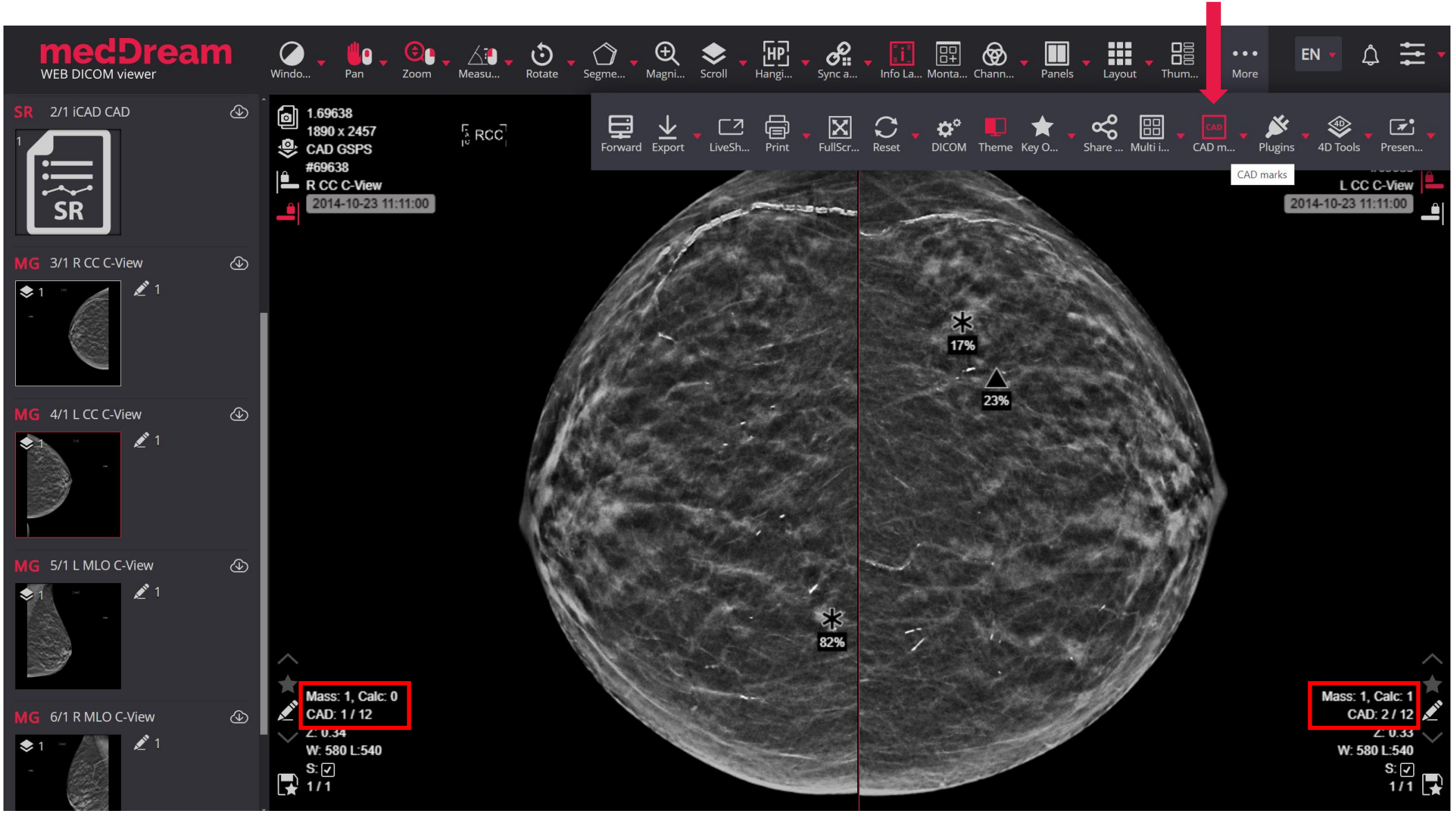
CAD

Displaying CAD SR findings on mammography images. Possibility to show/hide.

Indicating the CAD findings:

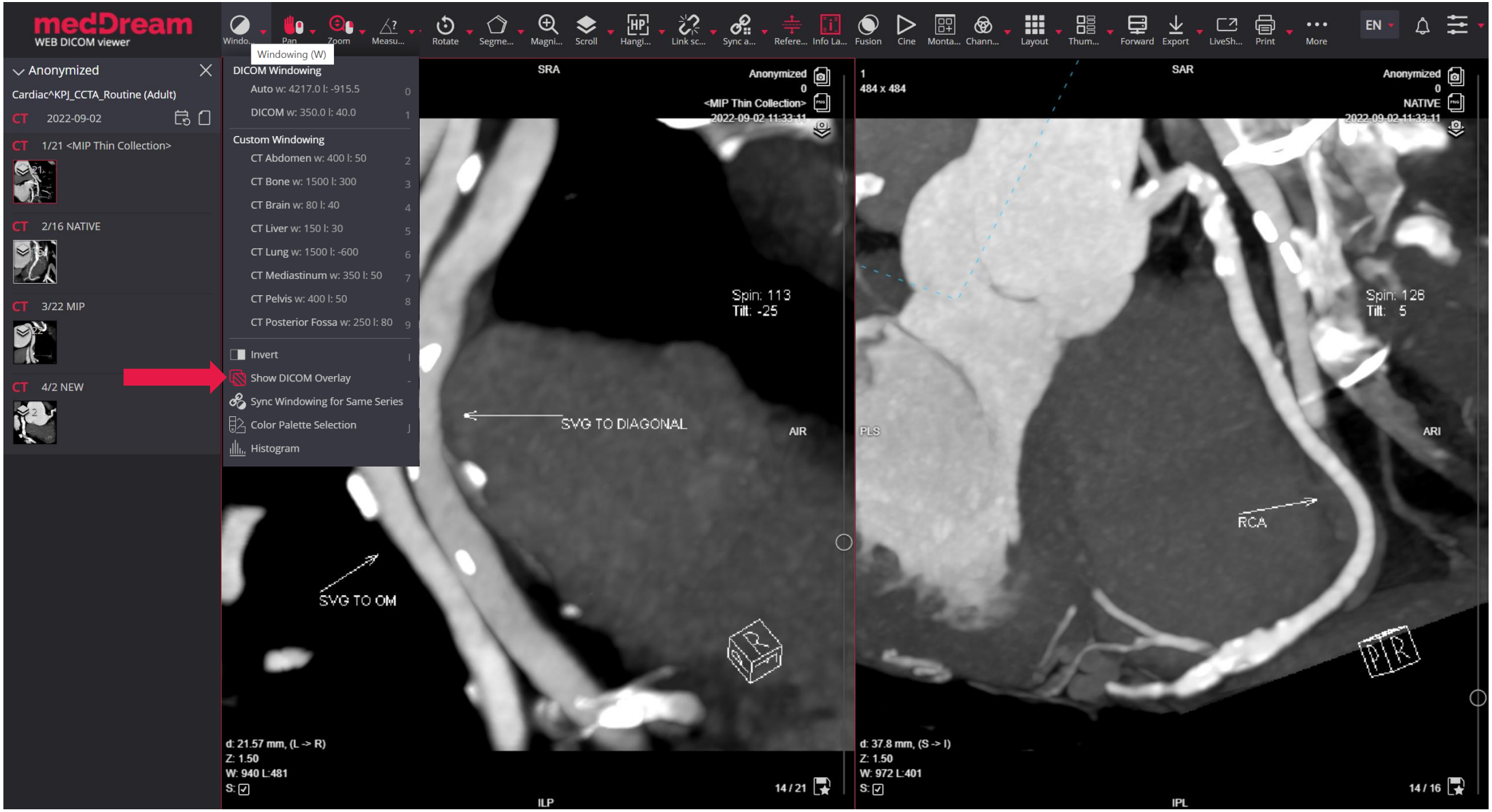
- the number of each type in the image;
- the number in the image;
- the total number in the series.

Mass: 1, Calc: 1
CAD: 2 / 12



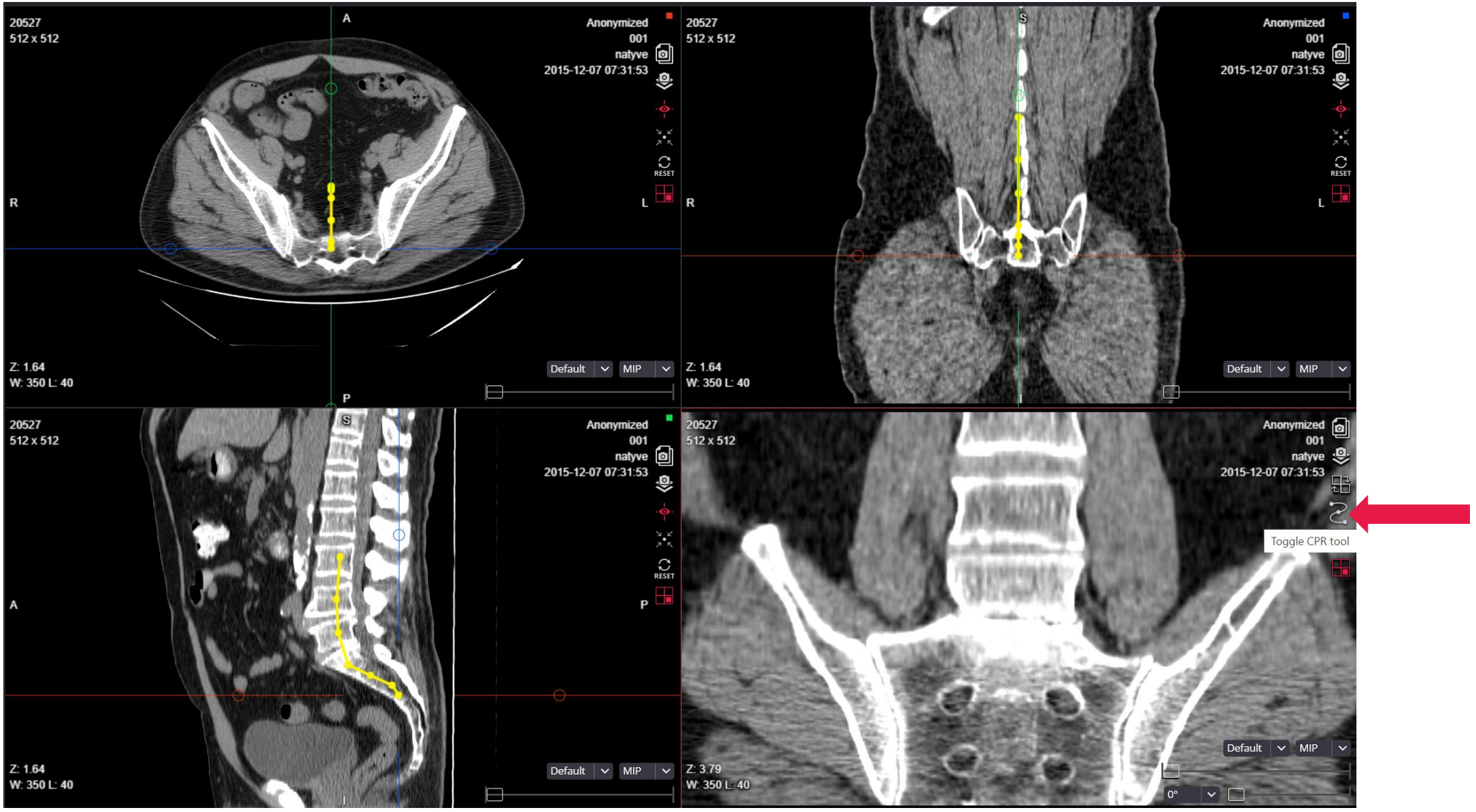
New feature: DICOM Overlay

Showing DICOM Overlay in GUI. Possibility to show/hide.



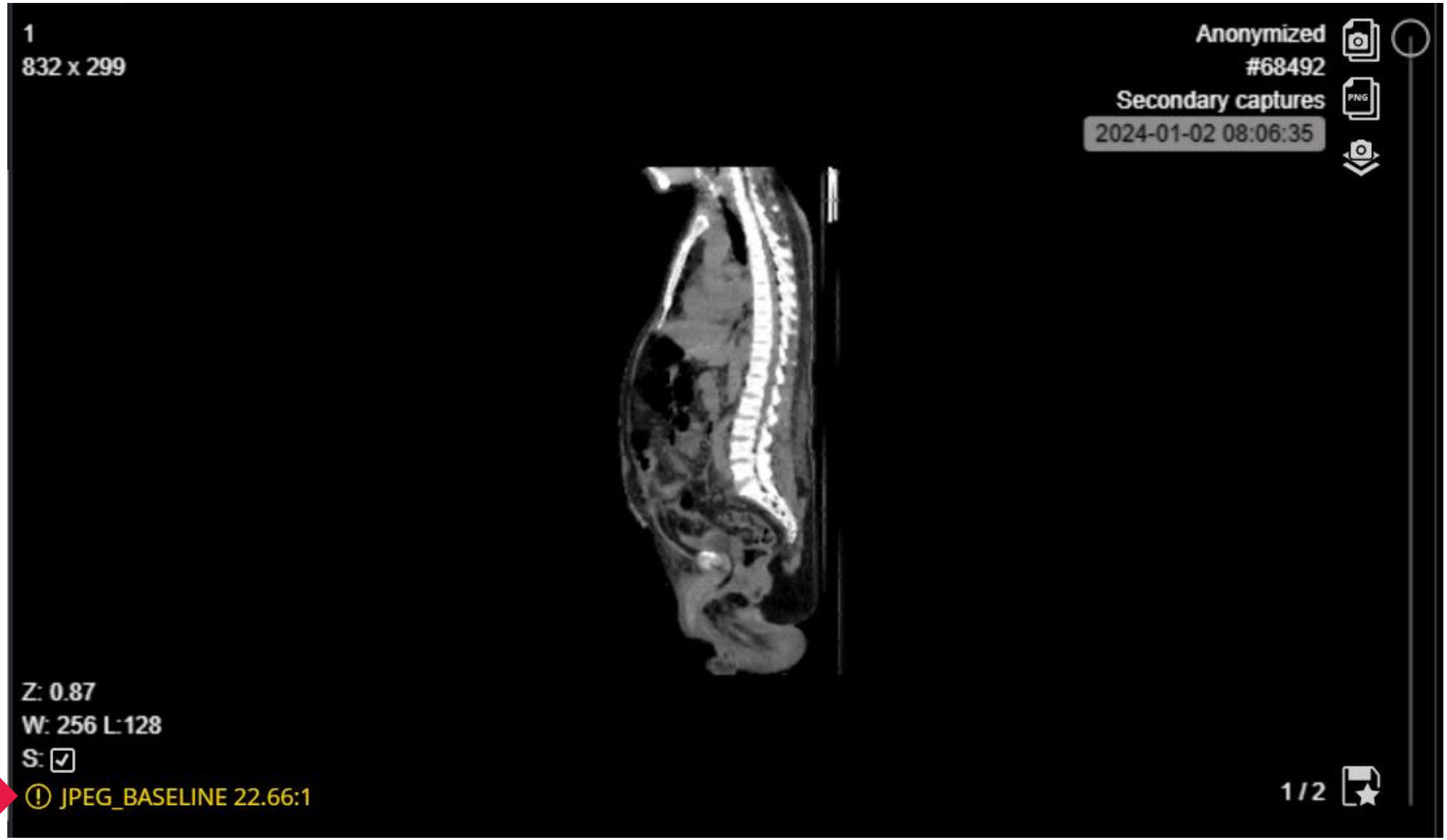
New feature: Curved MPR

Curved Planar Reconstruction (CPR) feature.



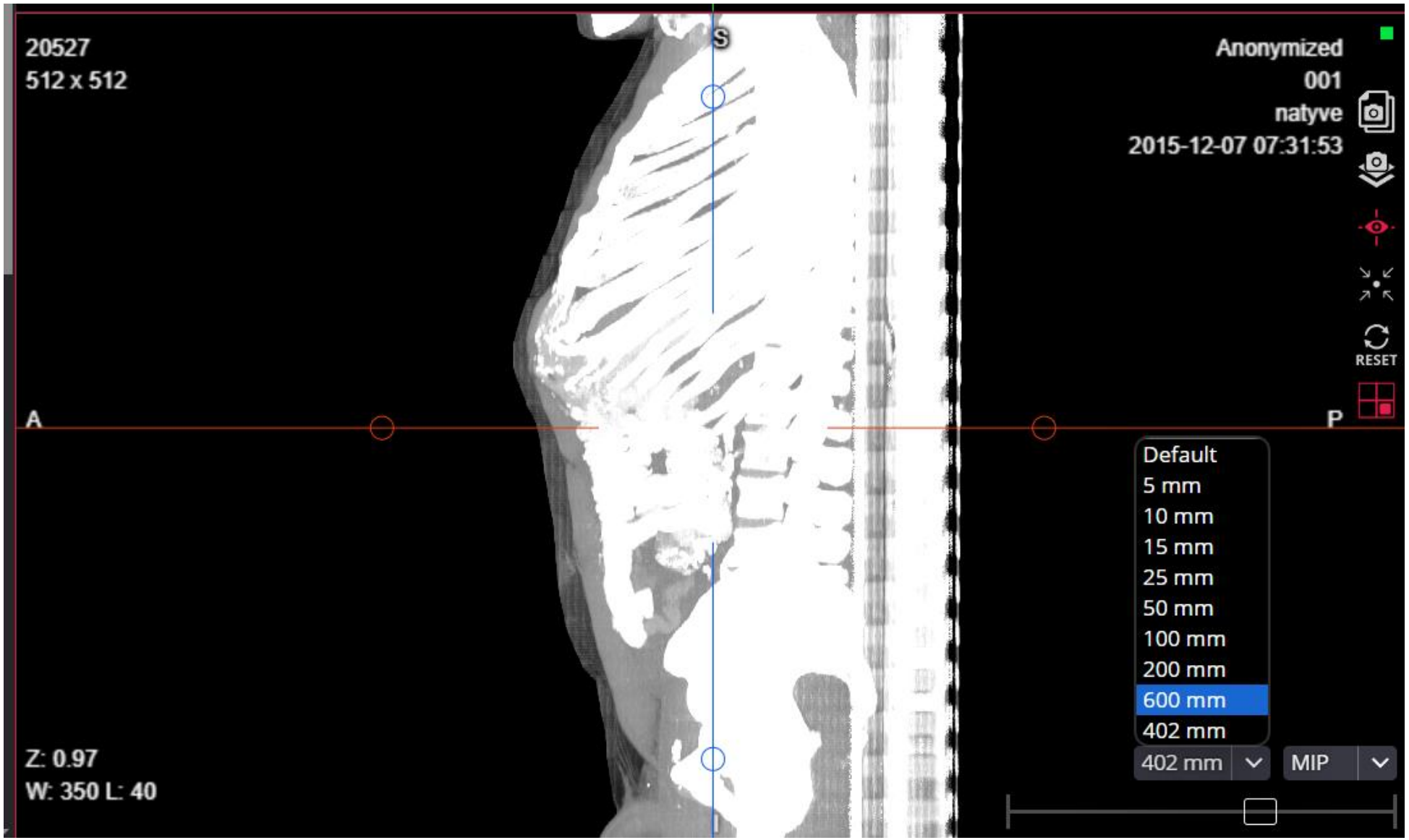
New feature: Lossy compression

ⓘ JPEG 2000 20:1 Displaying the compression type and ratio for lossy compression images.



Improvements: MIST Oblique

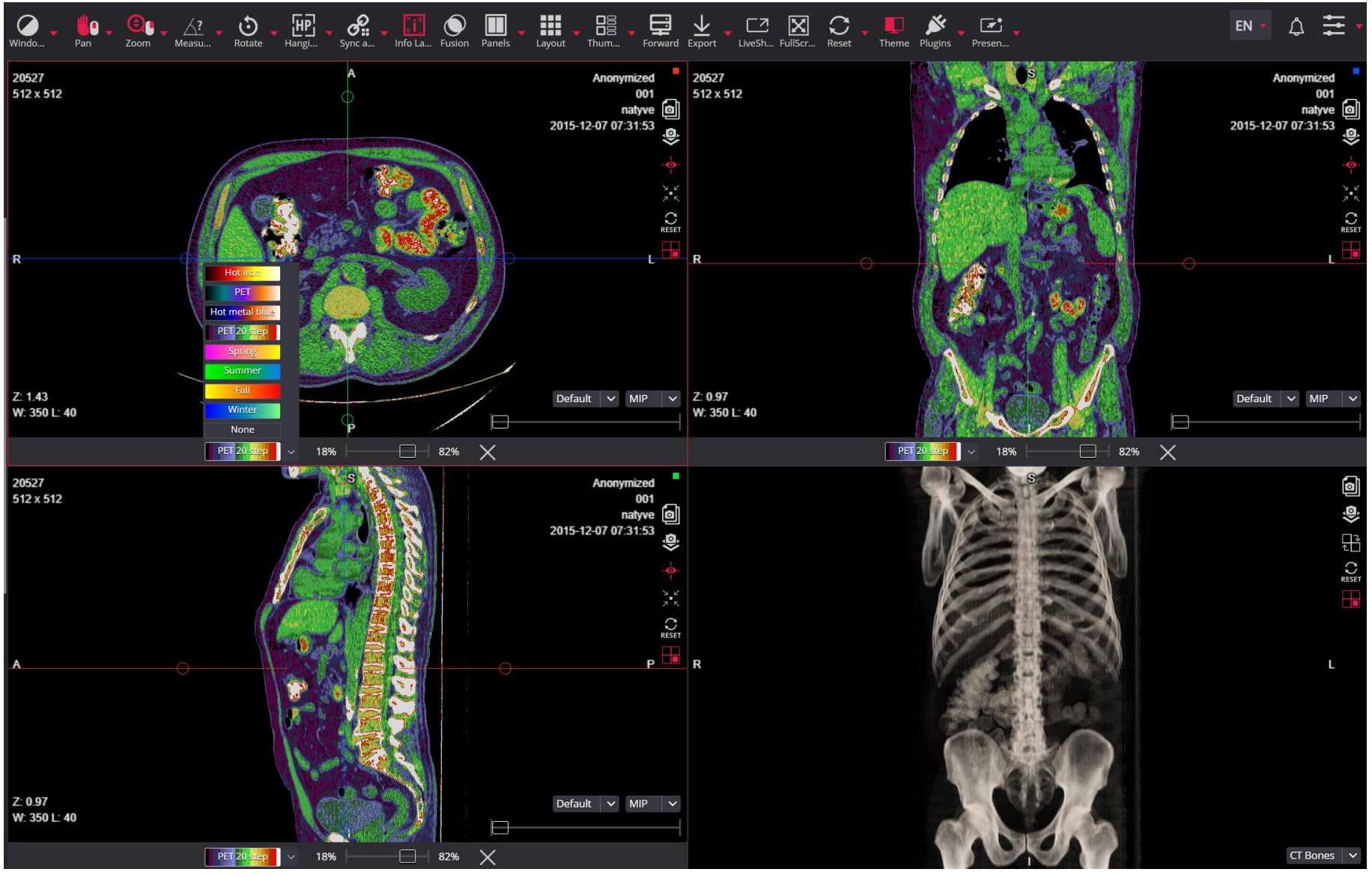
Possibility to set MIP thickness values **up to 600 mm** in created reconstructions.



Improvements: Fusion

Possibility to use Fusion tools in MIST Oblique.

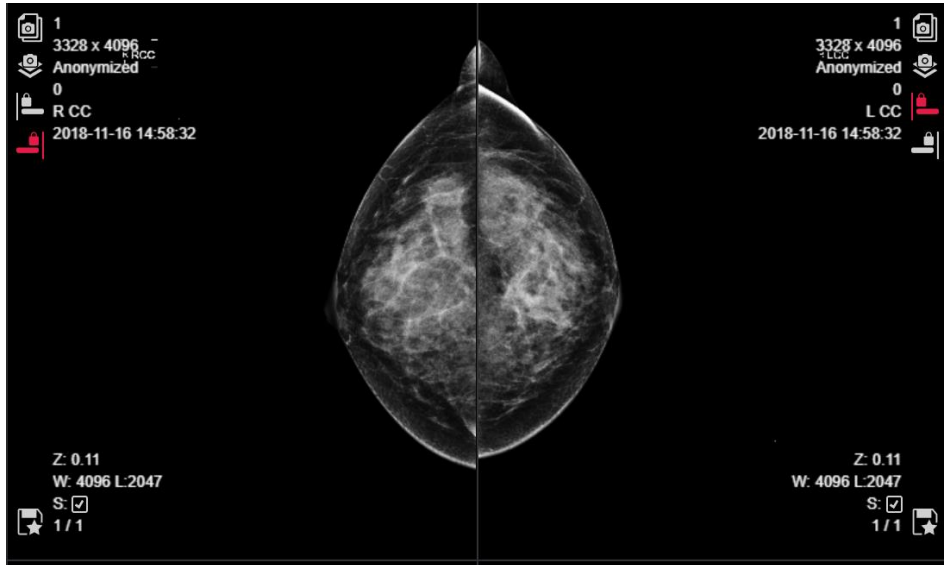
Set **Transparency** level and use **Color palette**.



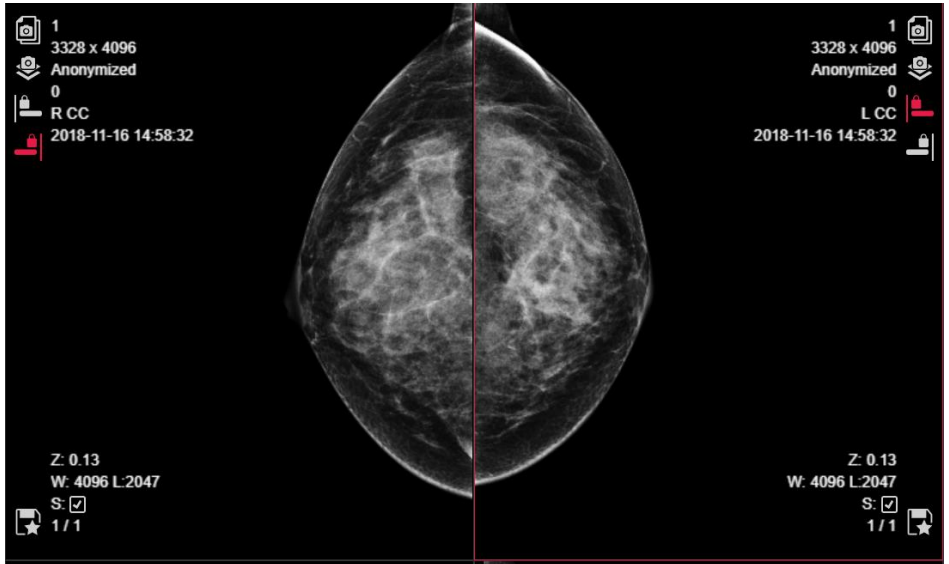
Improvements: Zoom

Zooming is mirrored when Align&Lock Left/Right is activated.

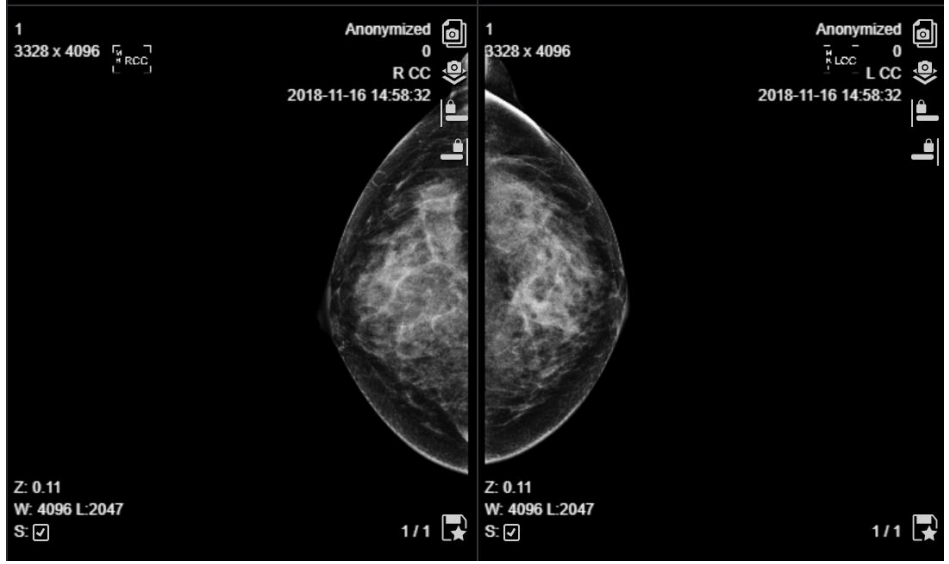
Align&Lock **is activated**:



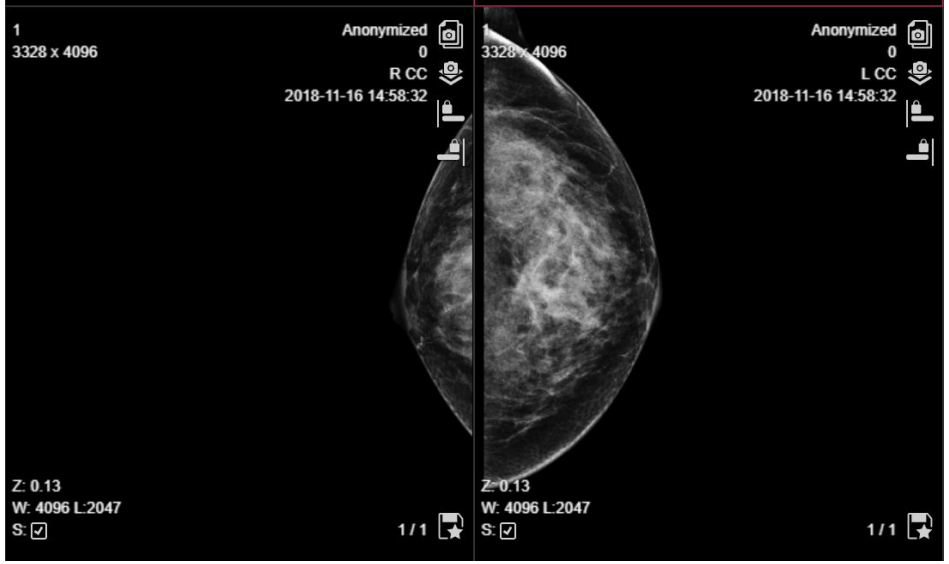
Zooming was **mirrored**:



Align&Lock is not activated:

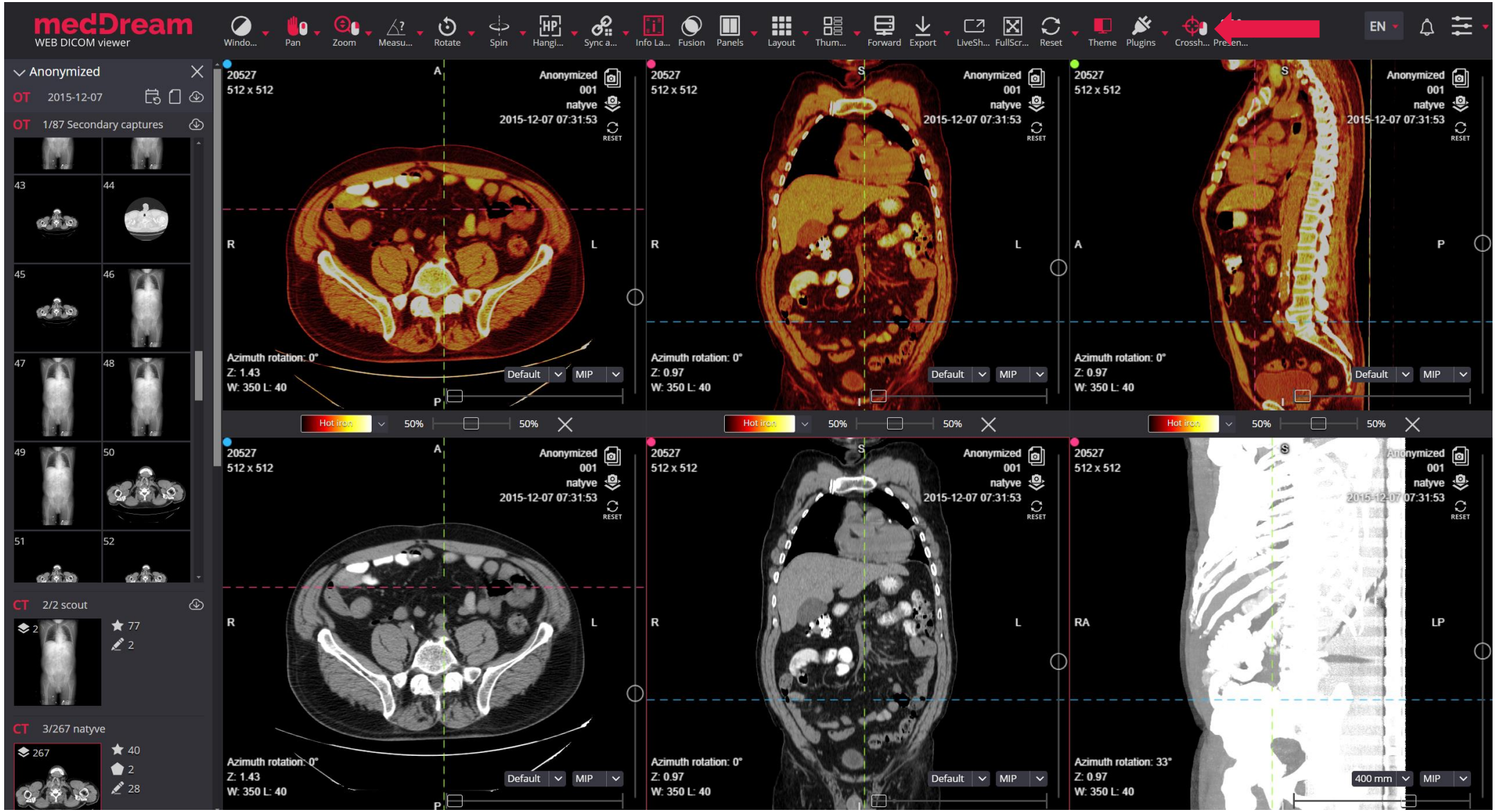


Zooming was not mirrored:



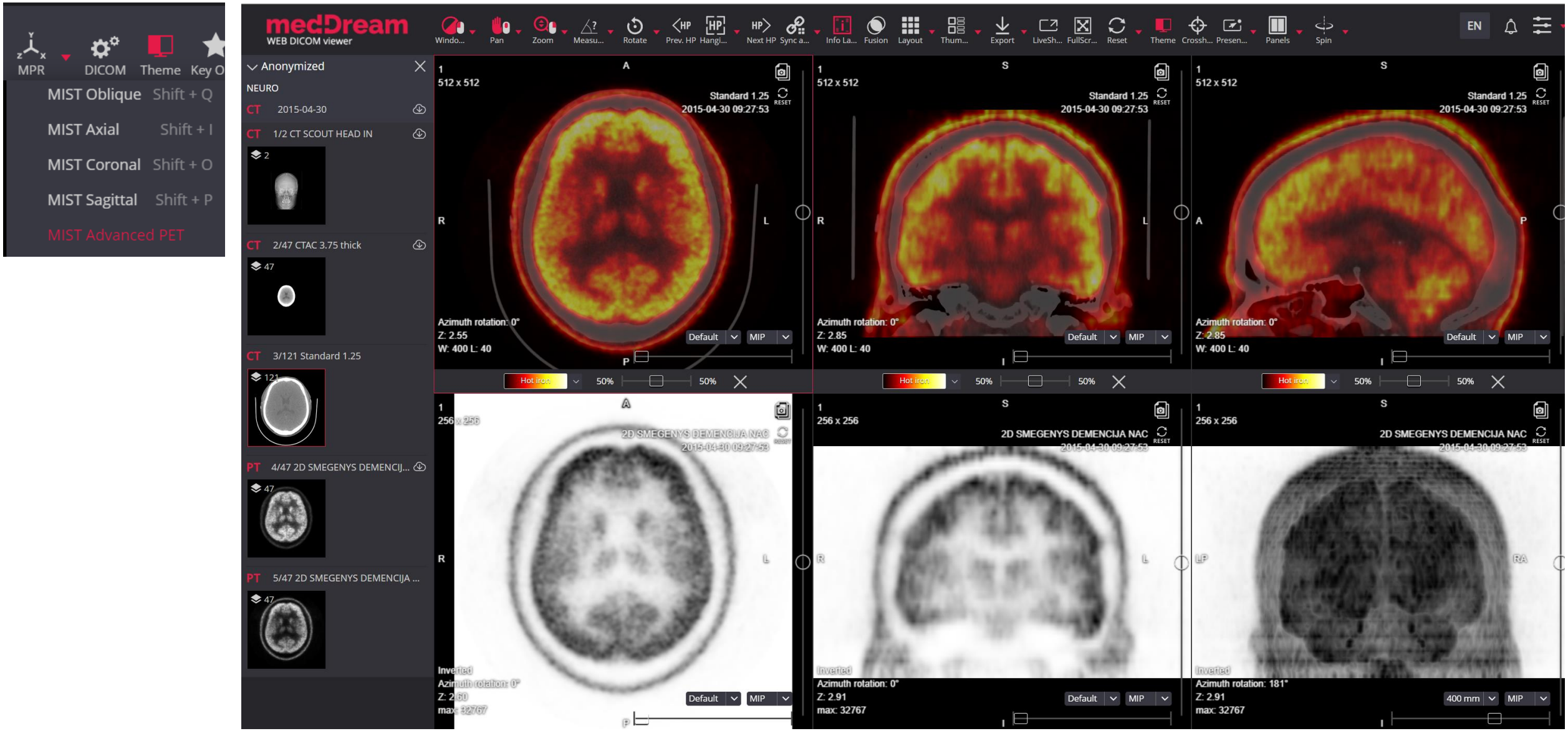
Improvements: Crosshair

Works between 2D views and MIST Axial, Coronal, Sagittal reconstructions.



Improvements: Advanced PET Fusion

Advanced PET. Opening multiple PET reconstructions.



New feature: Spin

Spin - rotating the Sagittal or Coronal reconstructions around the X axis.

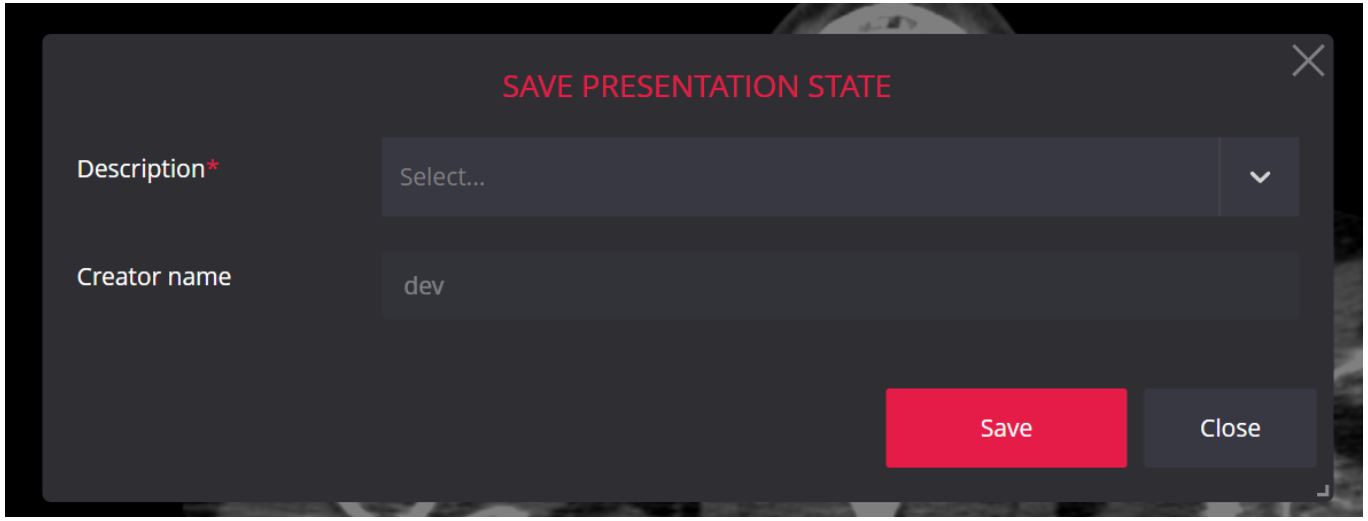
Possibility to Auto Spin Forward or Backward.

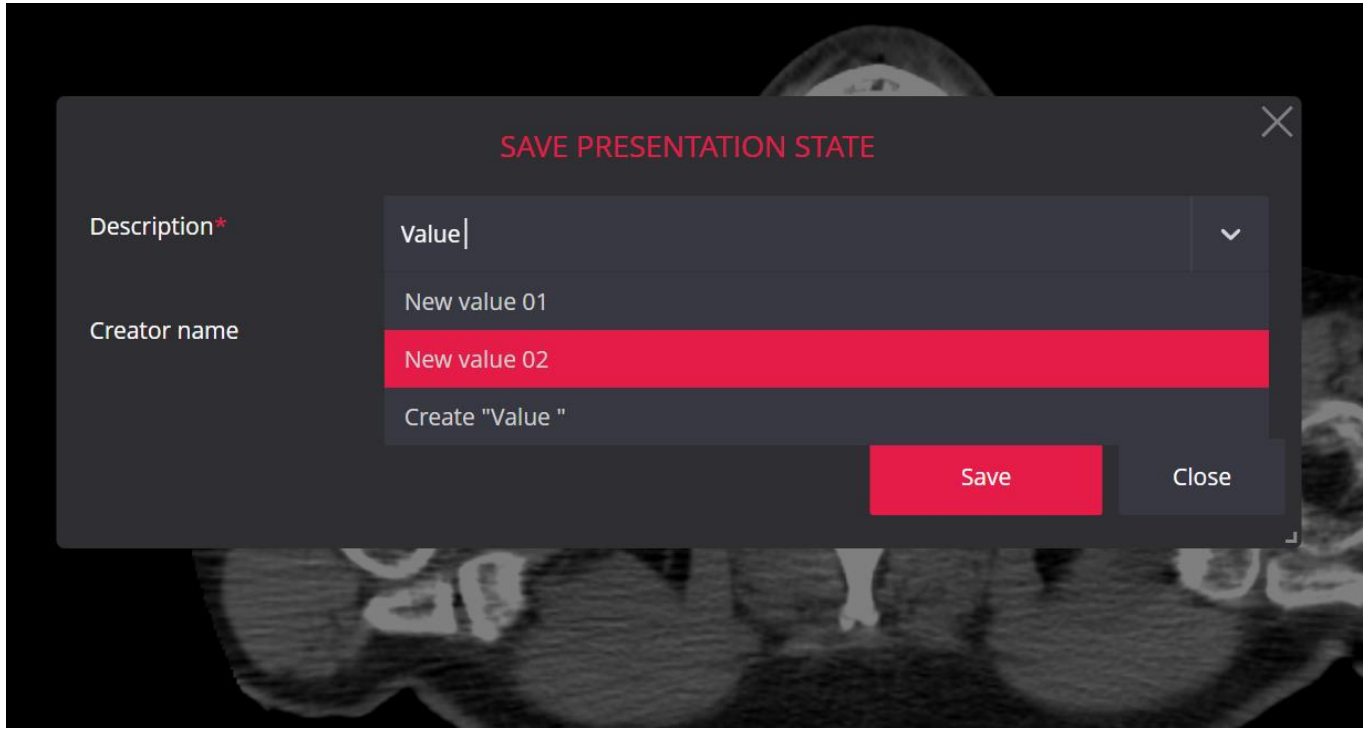
Improvement: Montage

- Shortcut can be assigned.
- Patient ID, Name, and Study Date are shown.
- Comparison study is highlighted.
- Window can be minimized.

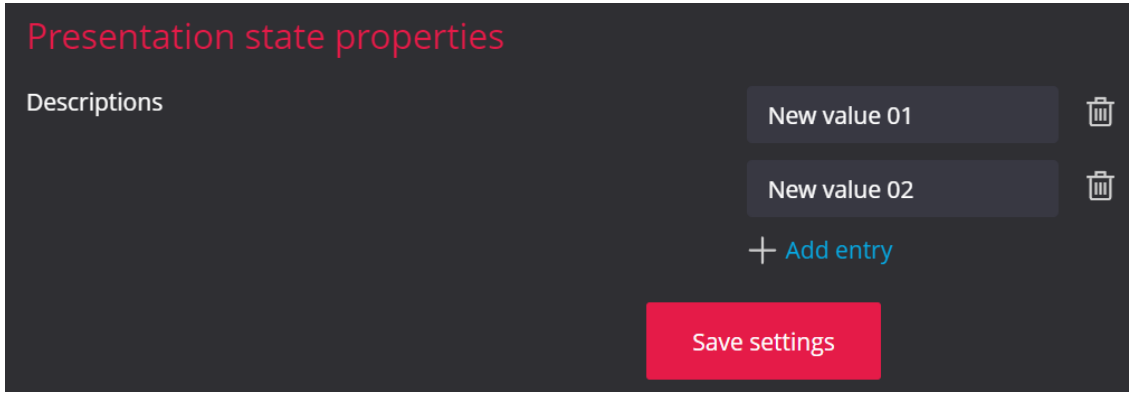
Improvement: KO/PR saving

User information, selecting description from the list (configurable).

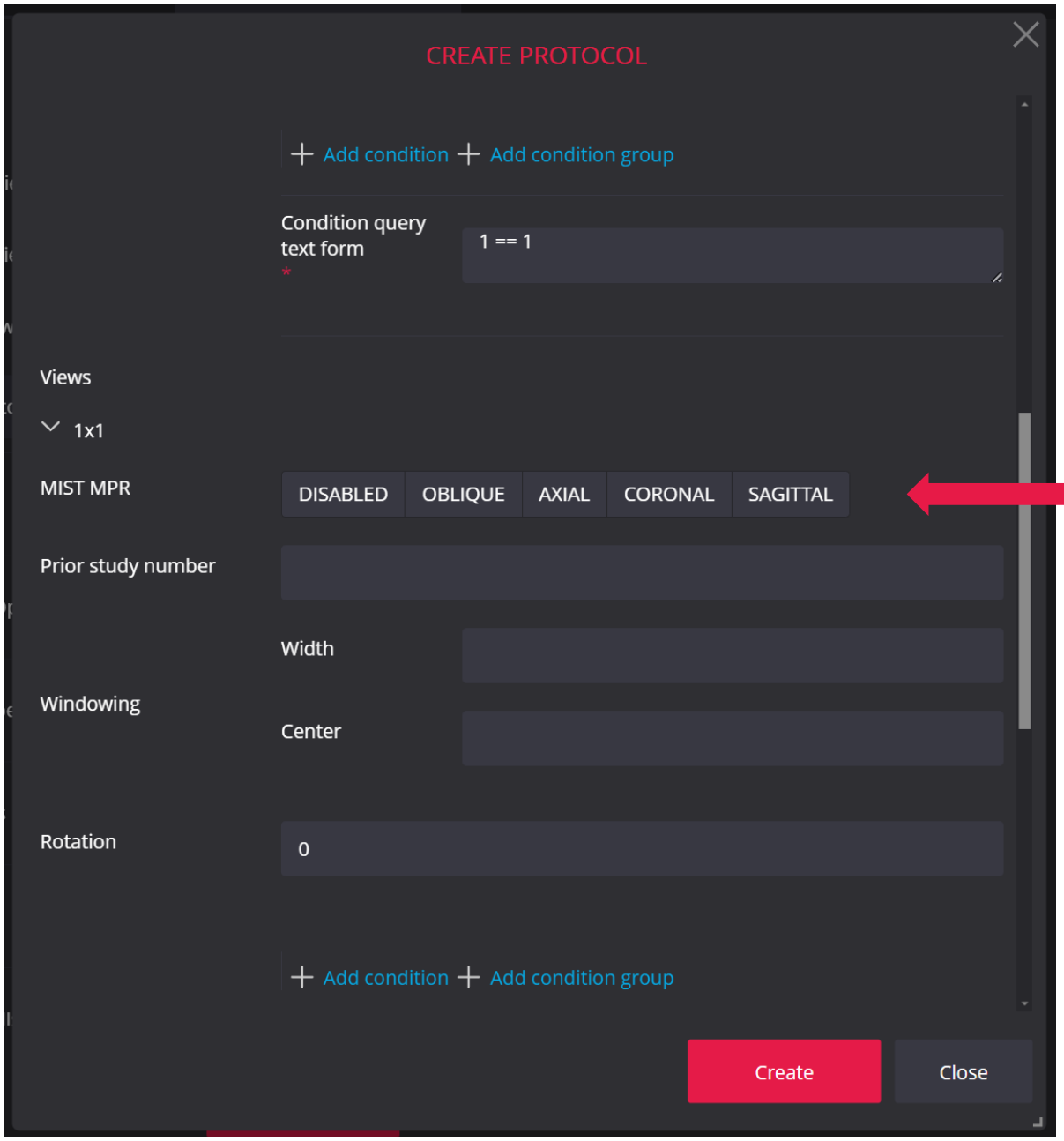




Settings:



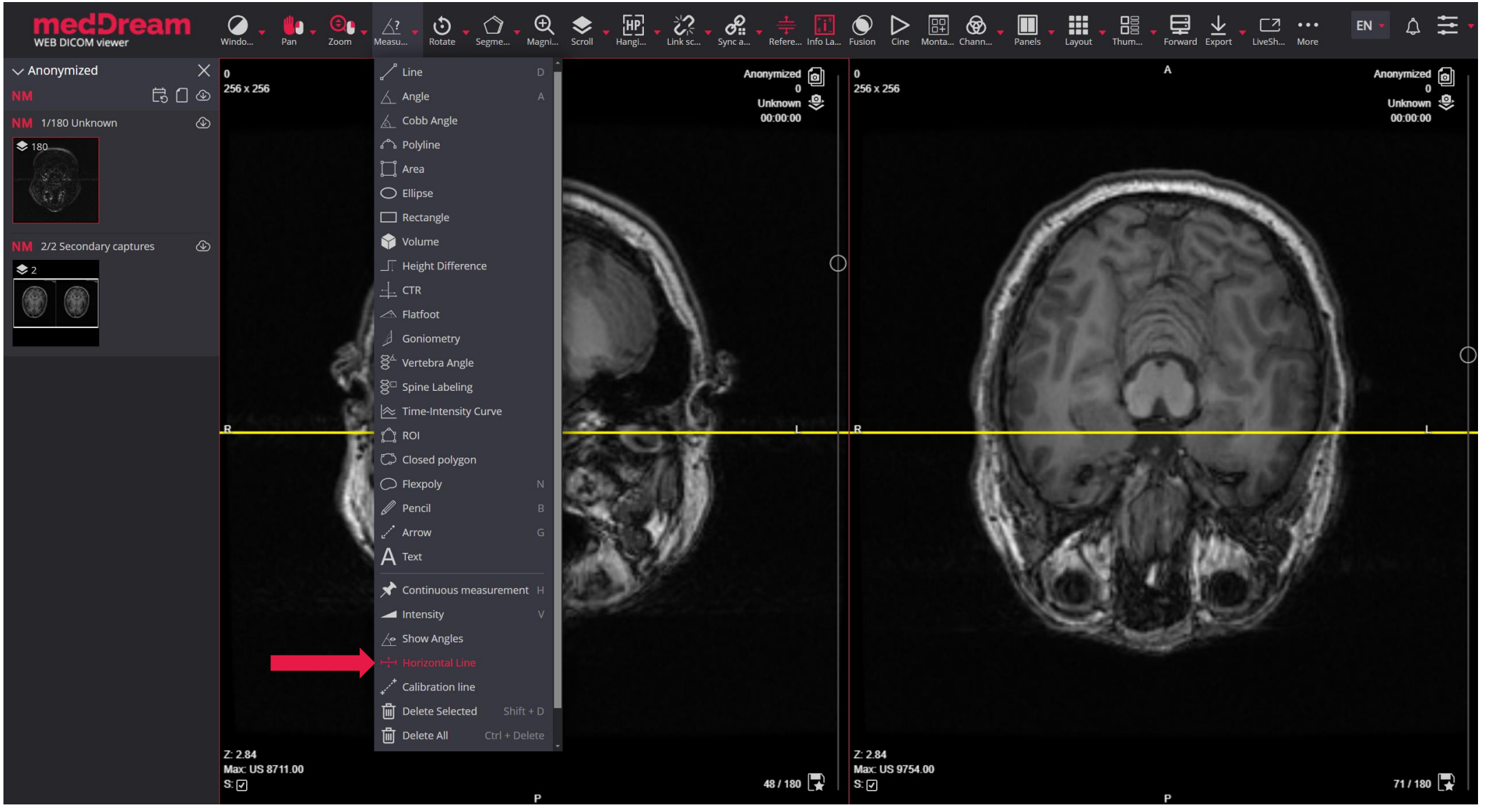
Improvement: Hanging Protocols v2



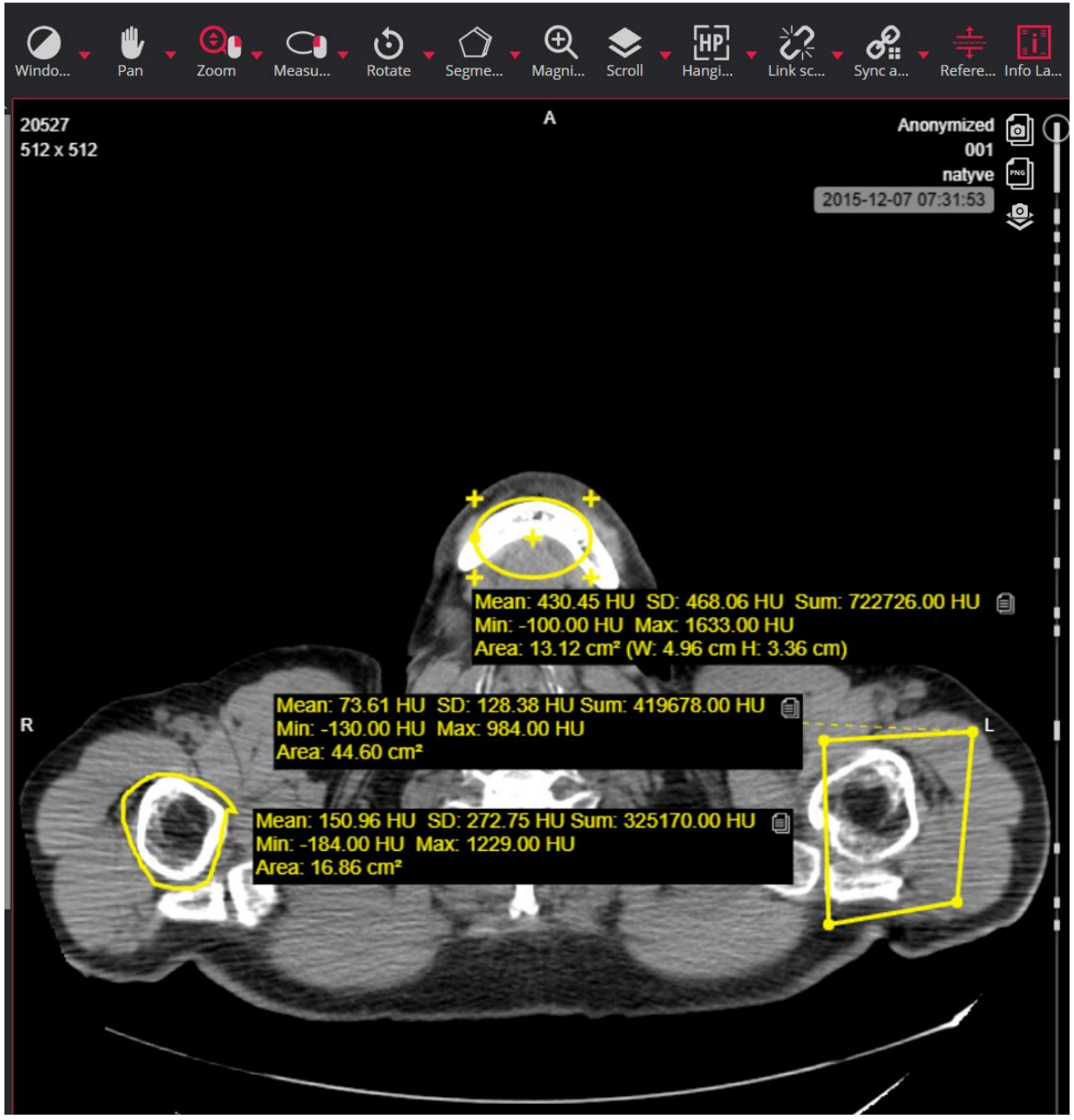
Possibility to start MIST Oblique for the series automatically and to set the matching series number in the series conditions.

New measurement: Horizontal line

Horizontal tool for NM modality studies.

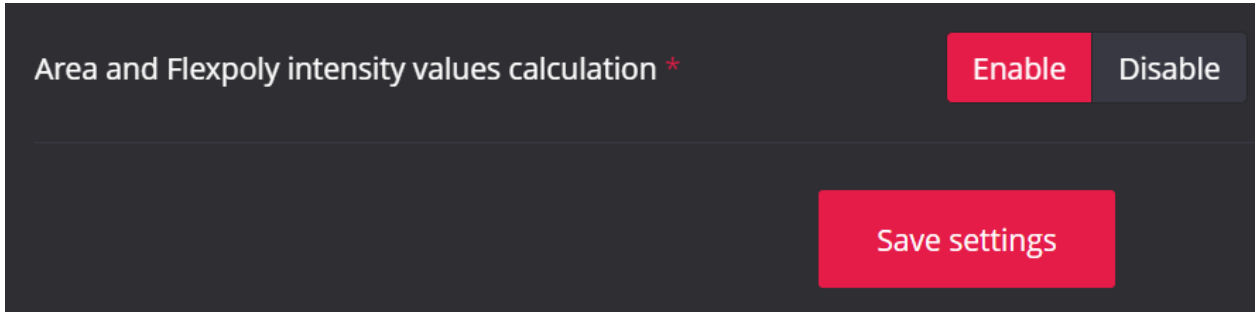


Improvement: Flexpoly and Area



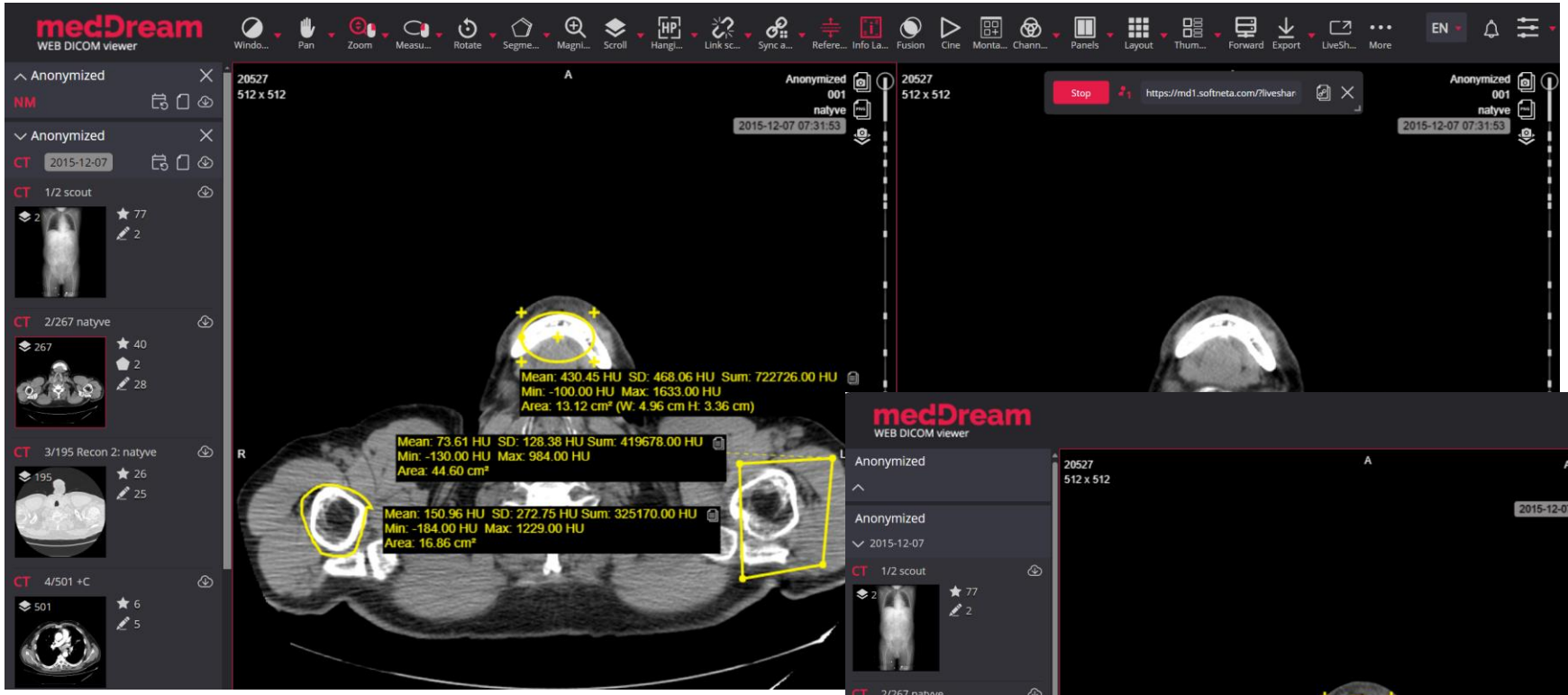
Statistical information is shown (Mean, SD, Sum, Min, Max, Area) as in the Ellipse measurement.

Settings:

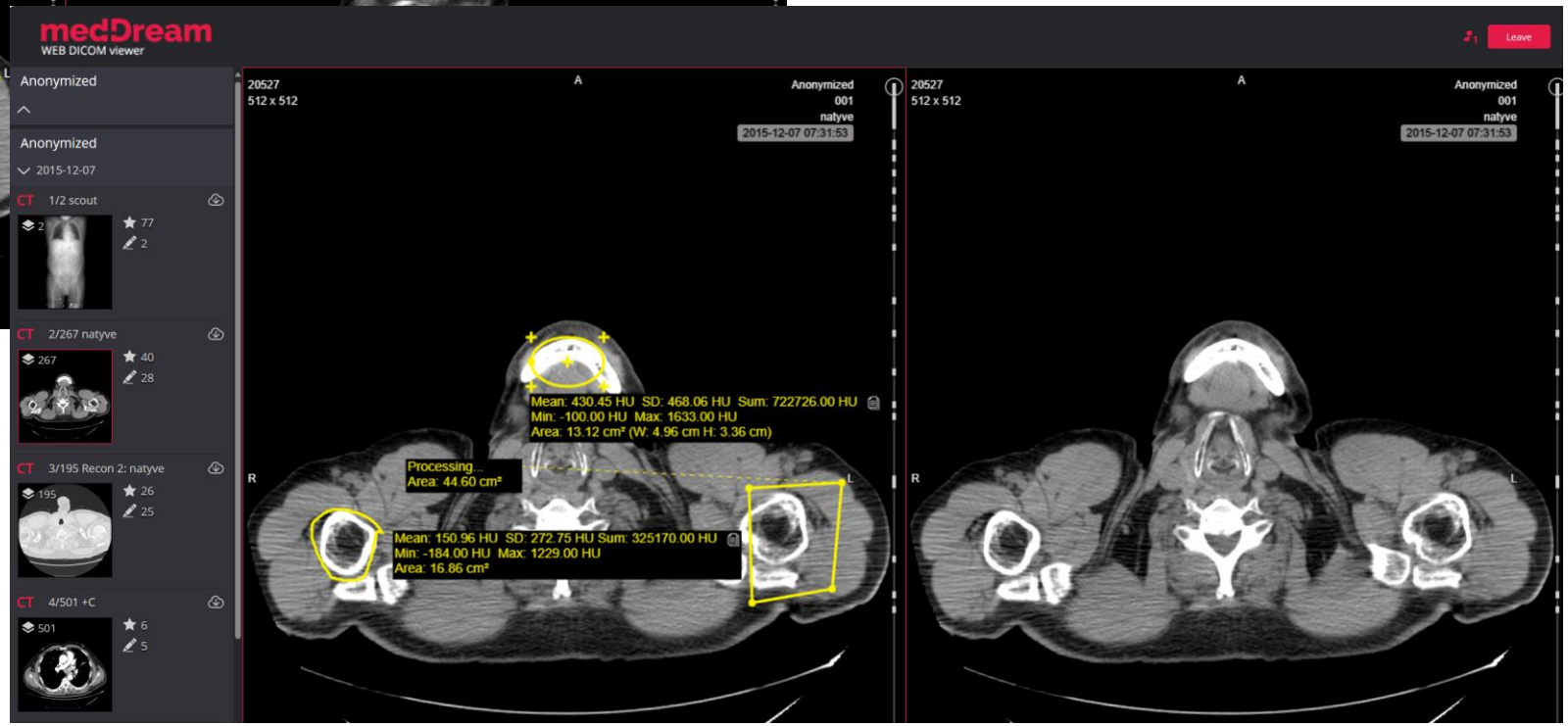


Improvement: Live Share

Host view:

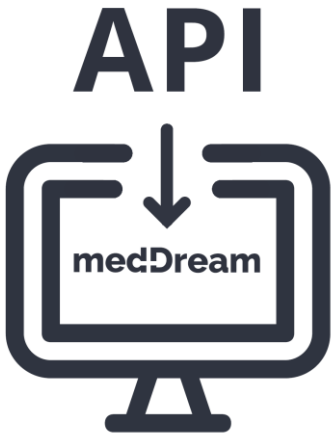


Guest view:



Measurements could be shared during Live share session.

Improvement: Integration via API



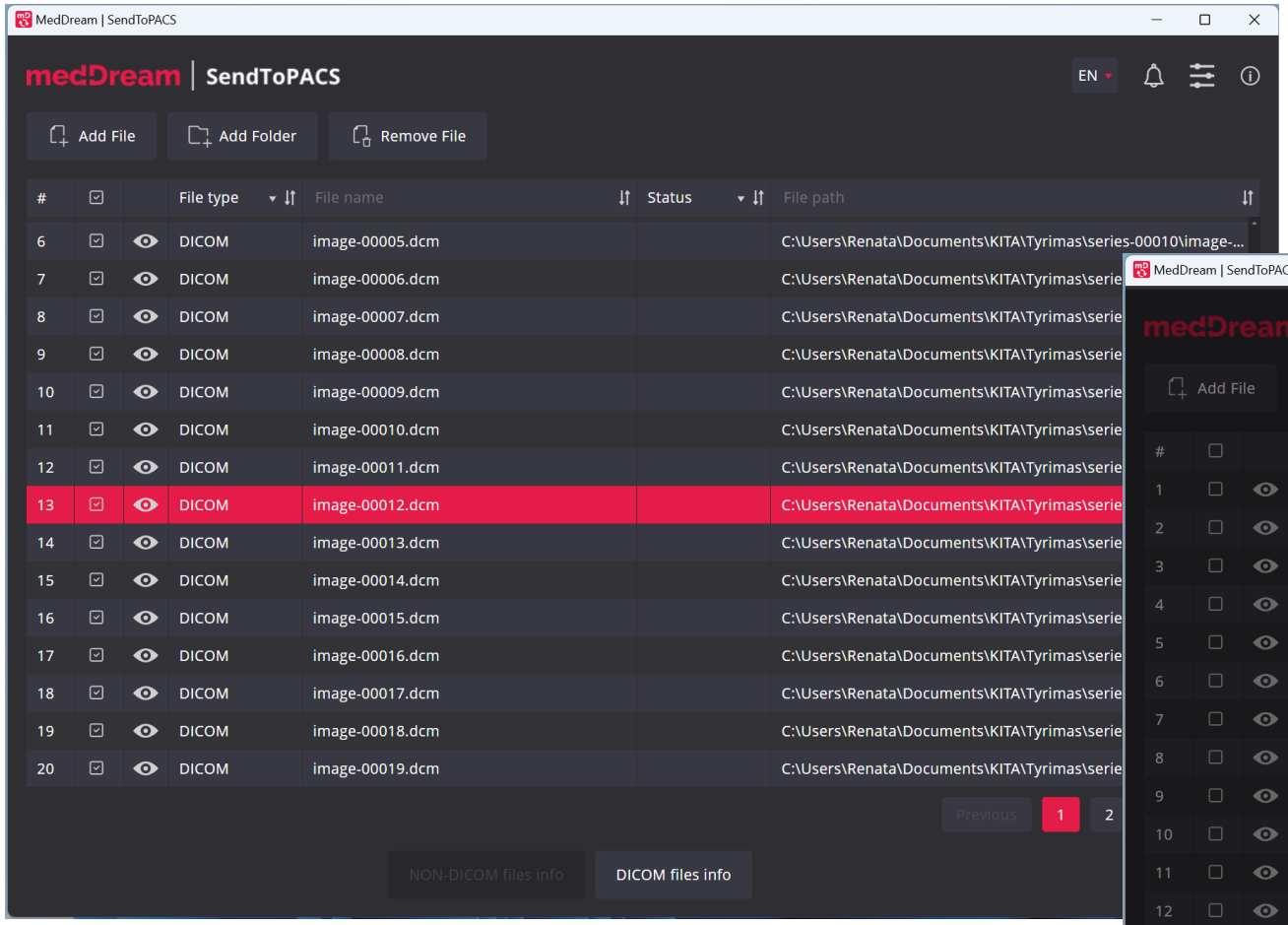
Communication API:

- Get DICOM tags and show in the viewport;
- Get Hanging Protocols list and set them.

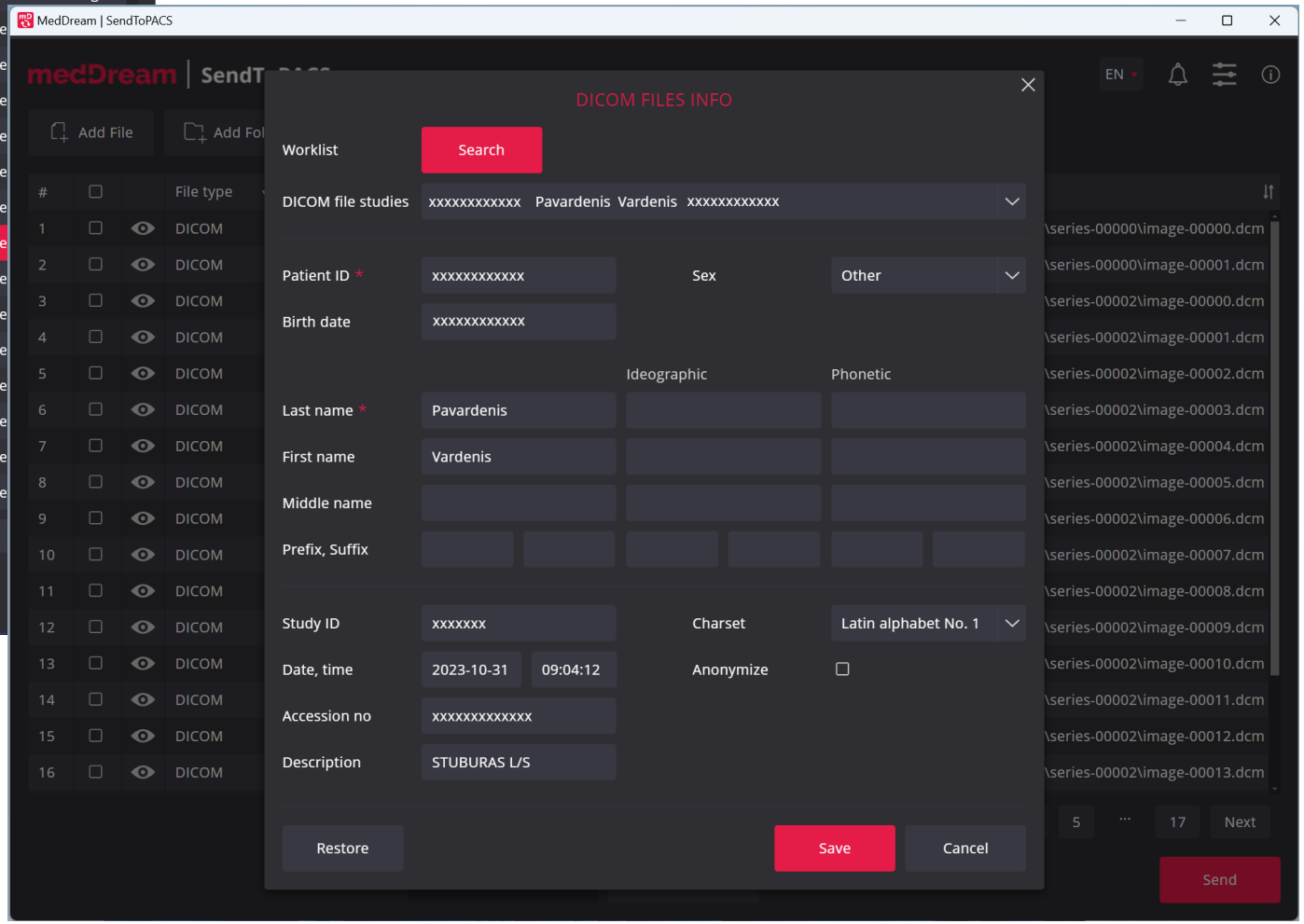
Viewport API:

- Refactored the functionality;
- Set created annotations as read-only, change color;
- Get Patient's Date of Birth.

MedDream | SendToPACS functionality design update



SendToPACS – desktop application.



SendToPACS now has modern, user-friendly design based on the MedDream user interface!

New certification: ISO/IEC 27001:2022

ISO/IEC
27001:2022

Softneta management system is certified in accordance with ISO/IEC 27001:2022 standard.

ISO/IEC 27001 is the world's best-known standard for **information security management systems** (ISMS).

https://www.iso.org/standard/27001