MedDream DICOM Viewer v8.4.0





8.4.0 medDream

HTML5 ZERO-FOOTPRINT **DICOM** Viewer

NEW FEATURES



CAD marks CAD SR findings on mammography images.



Curved MPR Curved Planar Reconstruction (CPR) feature.

IMPROVEMENTS



MIST Oblique MIP thickness up to 600 mm.



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



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

() JPEG 2000 20:1

Lossy compression Displaying the compression type and ratio.



Fusion Transparency level and Color palette tools in MIST Oblique.



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.



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



Horizontal line Horizontal tool for NM modality studies.





Communication API

 Get DICOM tags and show in the viewport;

 Get Hanging Protocols list and set them.

NEWS

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New design: MedDream | SendToPACS functionality

User-friendly, modern design based on the MedDream user interface!

Viewport API

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



27001:2022

New certification: ISO/IEC 27001:2022

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



Montage

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



Hanging Protocols v2

Possibility to open MIST Oblique for the series automatically.

MEASUREMENTS



Flexpoly and Area Statistical information is shown.

INTEGRATION

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

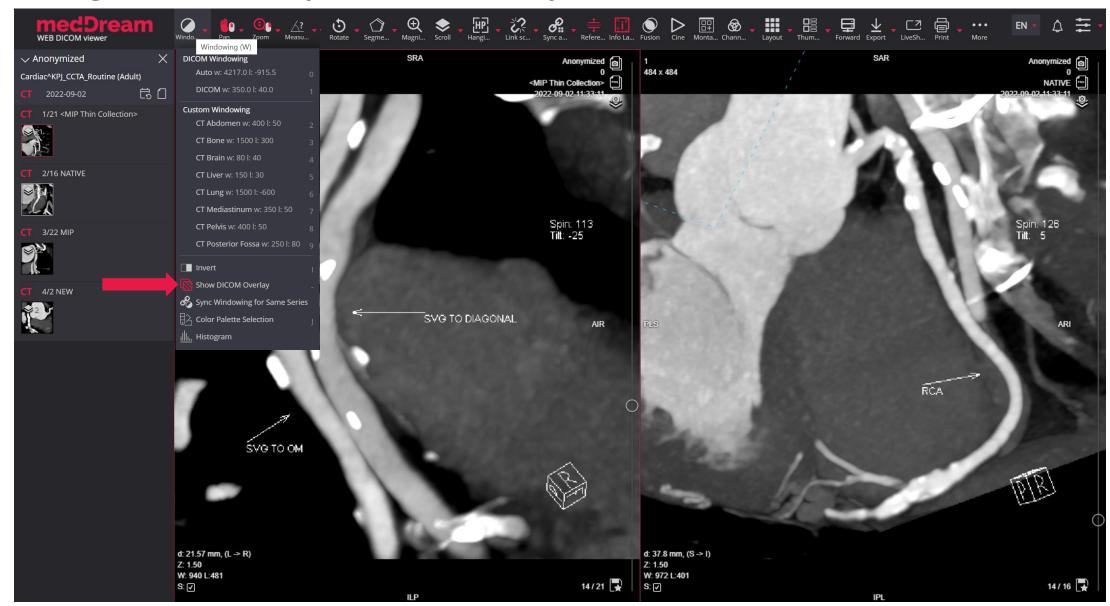
Displaying CAD SR findings on mammography images. Possibility to show/hide.



New feature: DICOM Overlay

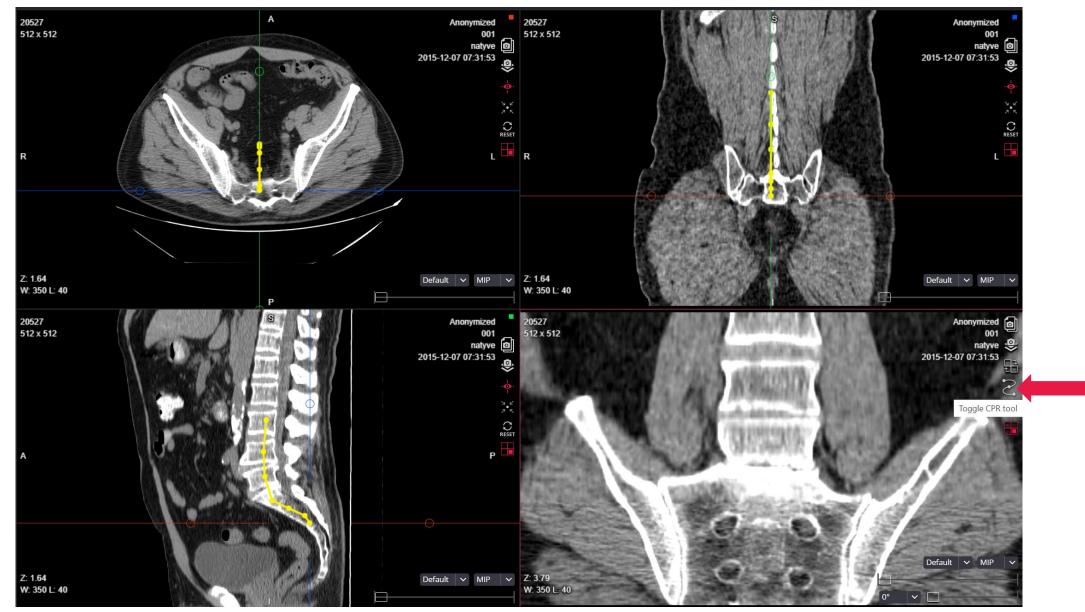


Showing DICOM Overlay in GUI. Possibility to show/hide.



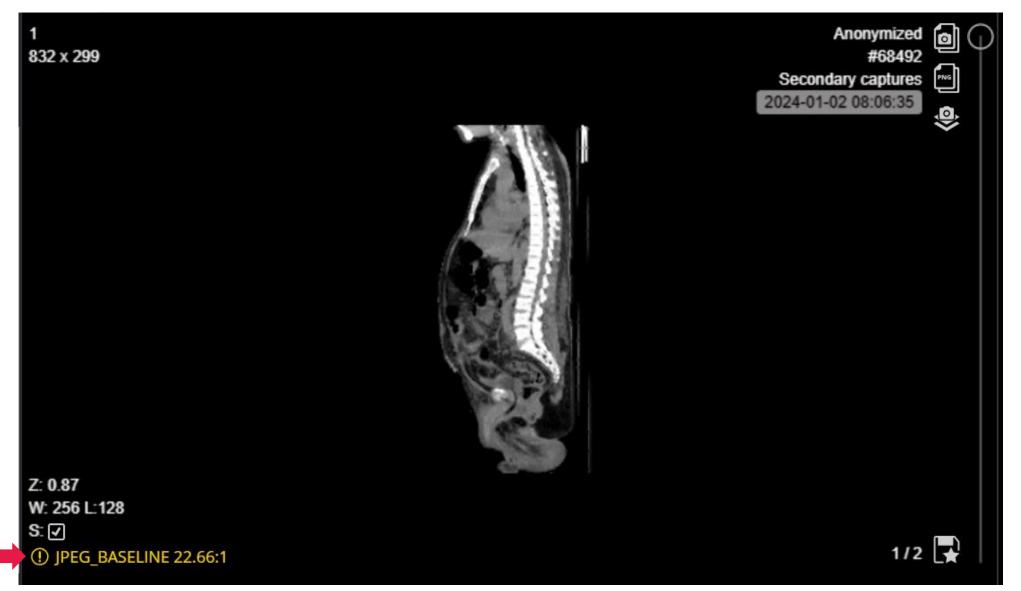
New feature: Curved MPR

Curved Planar Reconstruction (CPR) feature.



New feature: Lossy compression

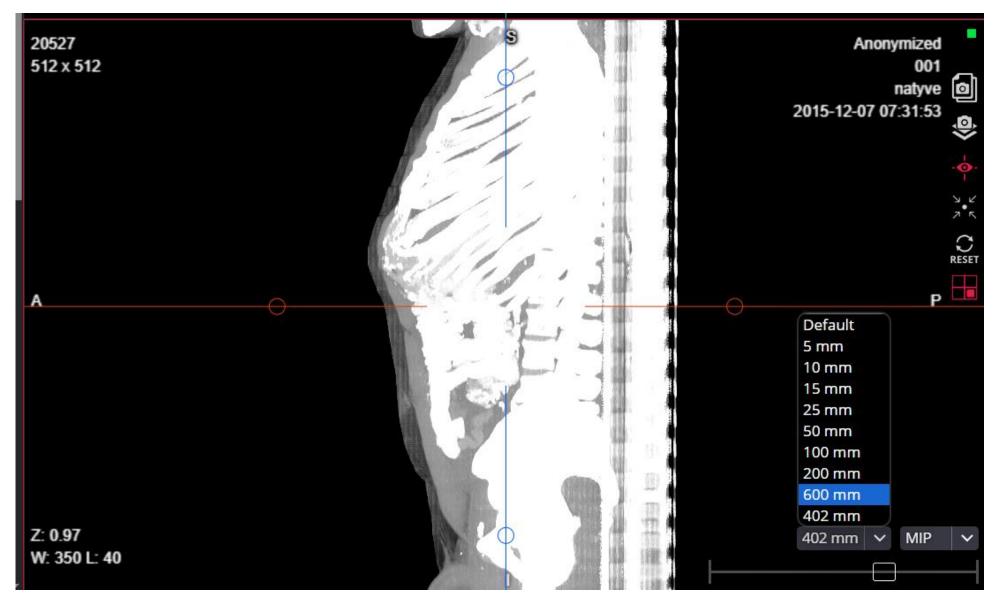
① JPEG 2000 20:1 Displaying the compression type and ratio for lossy compression images.



Improvements: MIST Oblique



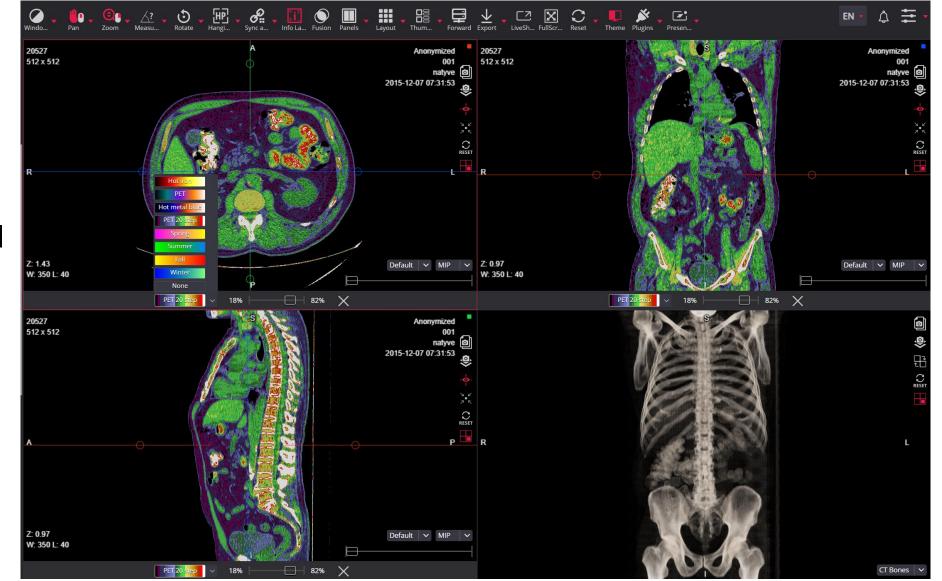
Possibility to set MIP thickness values **up to 600 mm** in created reconstructions.



Improvements: Fusion

Possibility to use Fusion tools in MIST Oblique.

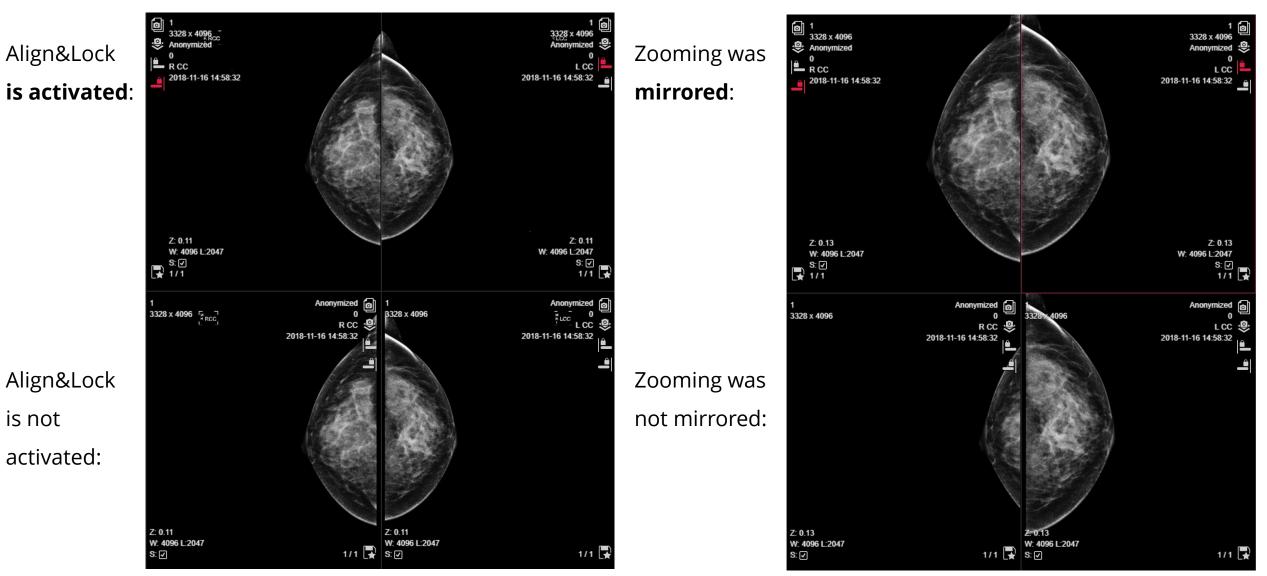
Set **Transparency** level and use **Color palette**.



Improvements: Zoom



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



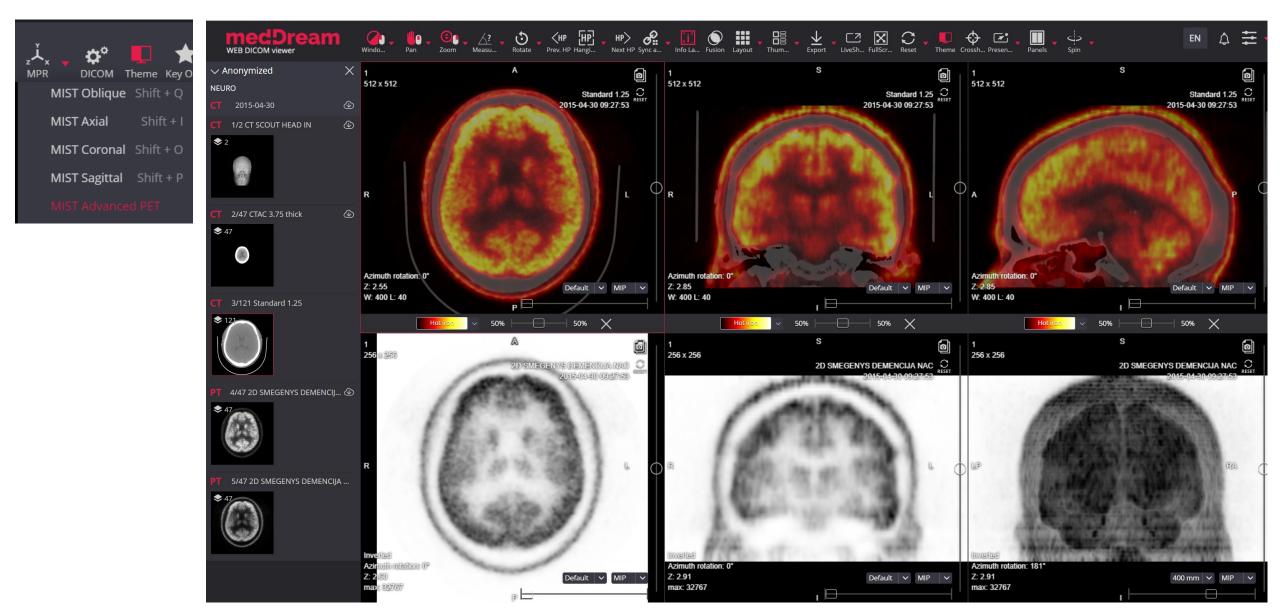
Improvements: Crosshair

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



Improvements: Advanced PET Fusion

Advanced PET. Opening multiple PET reconstructions.

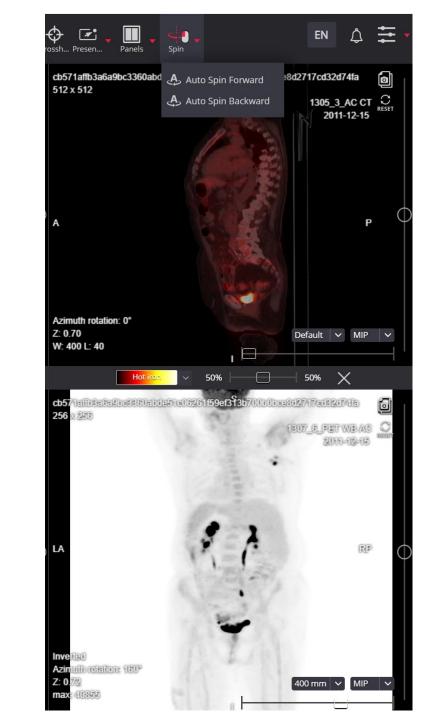


New feature: Spin



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

Possibility to Auto Spin Forward or Backward.

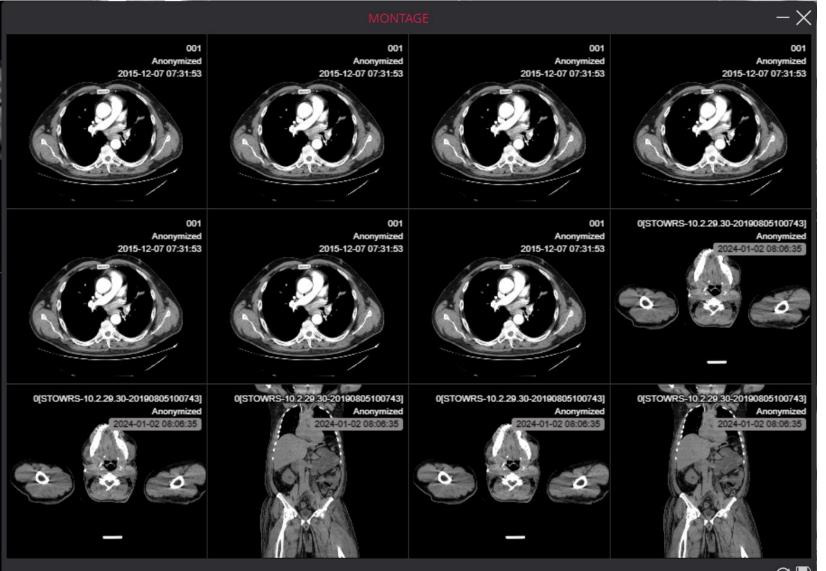


Improvement: Montage



- 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).

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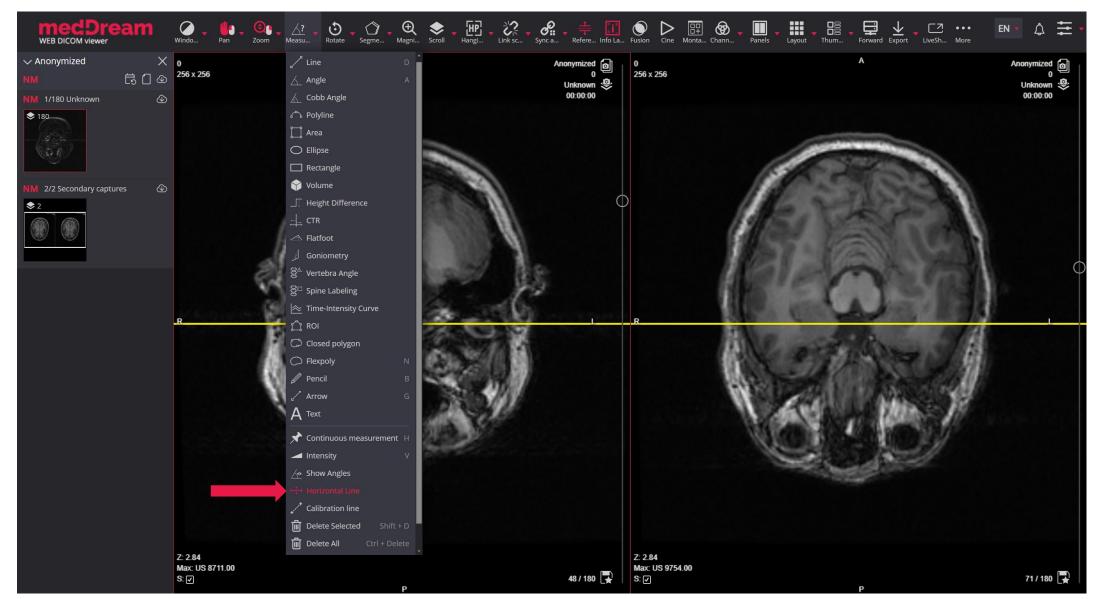
Improvement: Hanging Protocols v2

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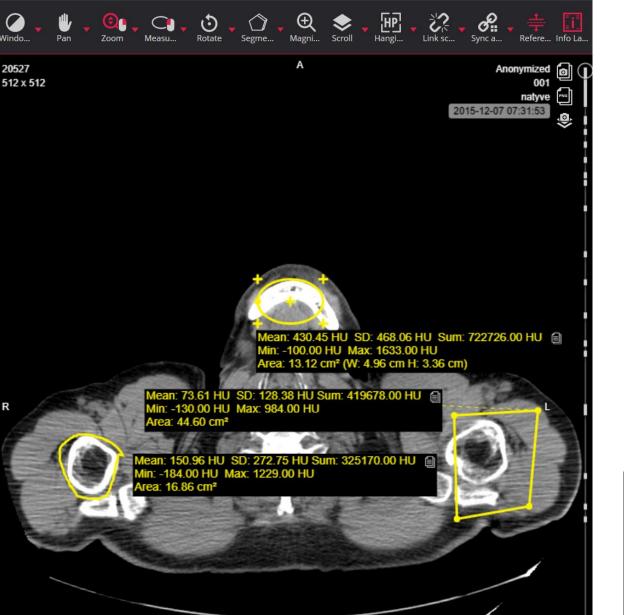
Possibility to start MIST Oblique for the series automatically and to set the matching series number in the series conditions.

New measurement: Horizontal line

H_{+} Horizontal tool for NM modality studies.

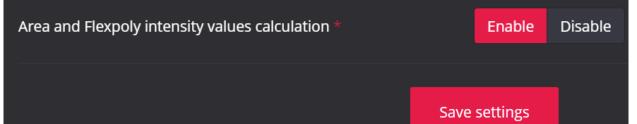


Improvement: Flexpoly and Area



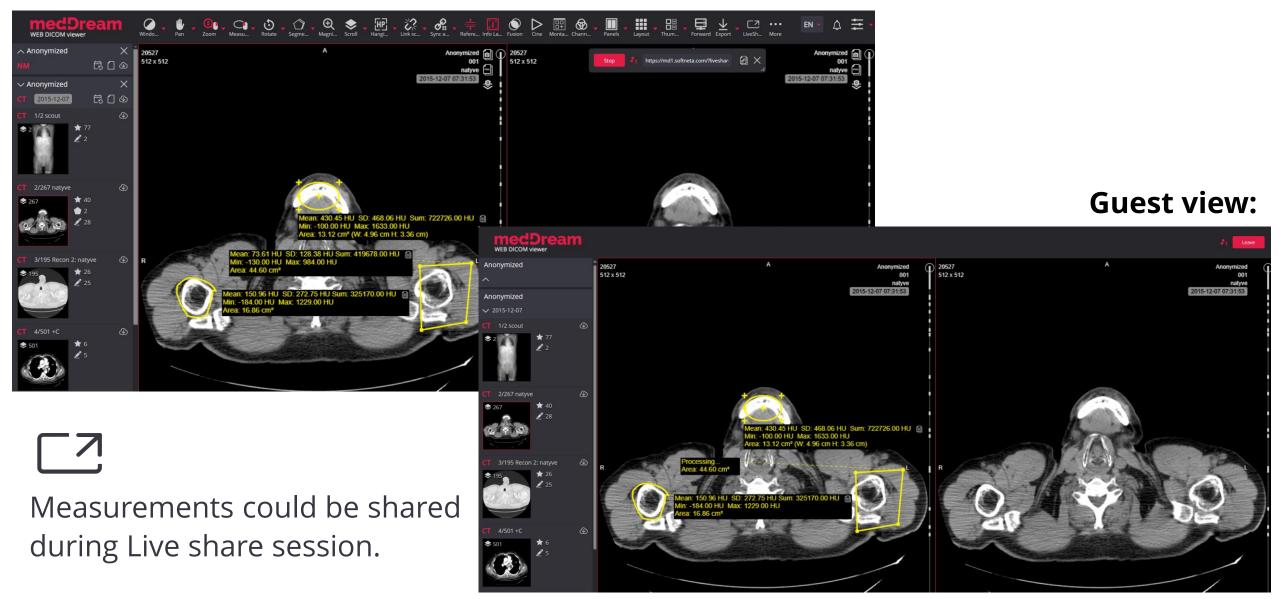
Statistical information is shown (Mean, SD, Sum, Min, Max, Area) as in the Ellipse measurement.

Settings:

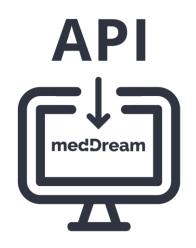


Improvement: Live Share

Host view:



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

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



SendToPACS – desktop application.

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New certification: 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

