

# MedDream DICOM Viewer v8.5.0

**IHE** XDS-I.b  
**PASSED**

**FDA** K222320  
510(k)  
**CLEARED**

**CE** 0197  
Class IIb certified



# Release notes

## MedDream DICOM Viewer v8.5.0 (2024-08-27):

- New functionality - implemented **single Modality support** in the search window (configurable).
- New measurement - **angles for osteotomy (HTO) surgery**.
- New measurement - **Myocardium ROI**.
- New Roles - added new roles for saving KO/PR - KO\_PR\_EDIT and KO\_PR\_VIEW (configurable).
- Improved configuration of Mobile mode layout - set the possibility to disable it.
- Improved MIST Oblique functionality to share resources between same series Oblique viewports to reduce memory consumption.
  - Improved **MPR functionality** - added possibility to switch different reconstructions as Axial, Sagittal, and Coronal (including MIST MPR) from the same viewport without additional loading of the original series.
  - Improved MPR functionality - added **MPR close button** to the main menu (possible to set shortcut).
  - Improved Segmentation - added possibility to draw and save Line measurement from the Segmentation toolbar and save into RTSTRUCT.
  - Improved delete measurement shortcuts, have abandoned duplicating functionality.
  - Improved **displaying mammography CAD SR**, implemented findings information display on Multi-frames images, show/hide function available.
  - Improved Video studies displaying, made the video use less CPU resources when GPU does not exist.
  - Improved Zoom - possibility to **configure Zoom to center functionality**.

# Release notes

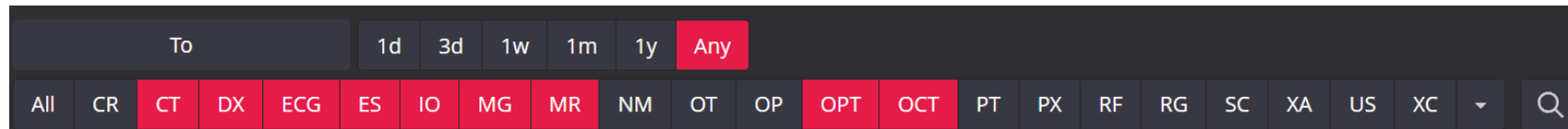
## MedDream DICOM Viewer v8.5.0 (2024-08-27):

- Improved Windowing - possibility to configure Increasing of Window Center (L) value either while dragging the mouse UP, or DOWN, default Down.
- Improved Presenter tool - added non-fading arrow.
- Improved **4D Tools** functionality - added possibility to **filter exact description name**.
- Improved Chrome extension to work with the new Chrome version and not to lose display information.
- Improved Viewport API - method to get Series date and Series time tags information.
- Improved **Time-intensity curve** (TIC) functionality - an additional tool added to define a **region of interest (ROI) as a flexible polygon**.
- Improved Thumbnail bar - if study loading takes time, the study loading notification is displayed in addition to the loading bar.
- Improved ECG functionality, new ECG output layouts implemented.
- Improved Forwarding functionality - more information about forwarded study added in logs and returned to the user.
- Improved Token functionality - added possibility to define which study series and historical studies series to display to the user.
- Improved Communication API - added an API event to provide what native series are selected by the user for combination into the virtual 4D series.
- Updated dependencies and 3rd party libraries.

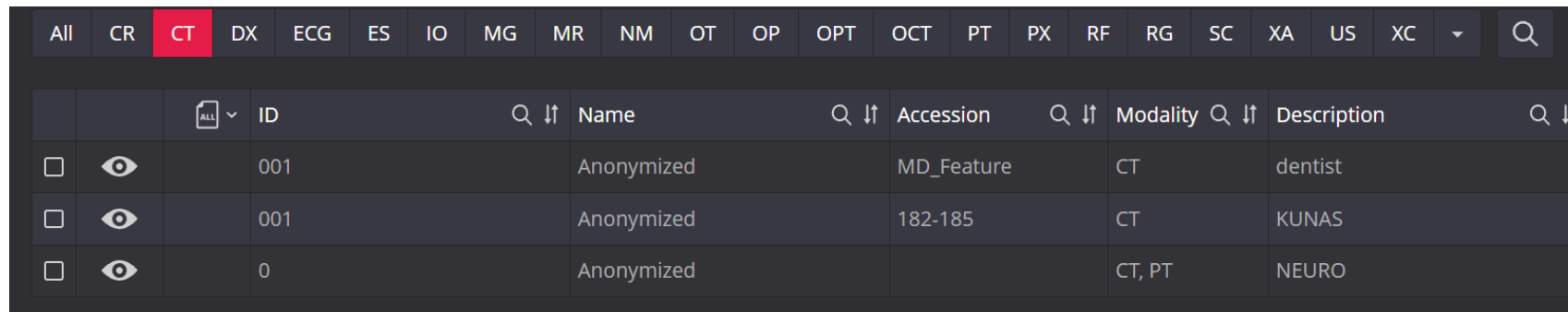
# New feature: Search window

Implemented a single Modality support in the search window (configurable).

Default configuration:



Single modality support. Active modality could be one only:

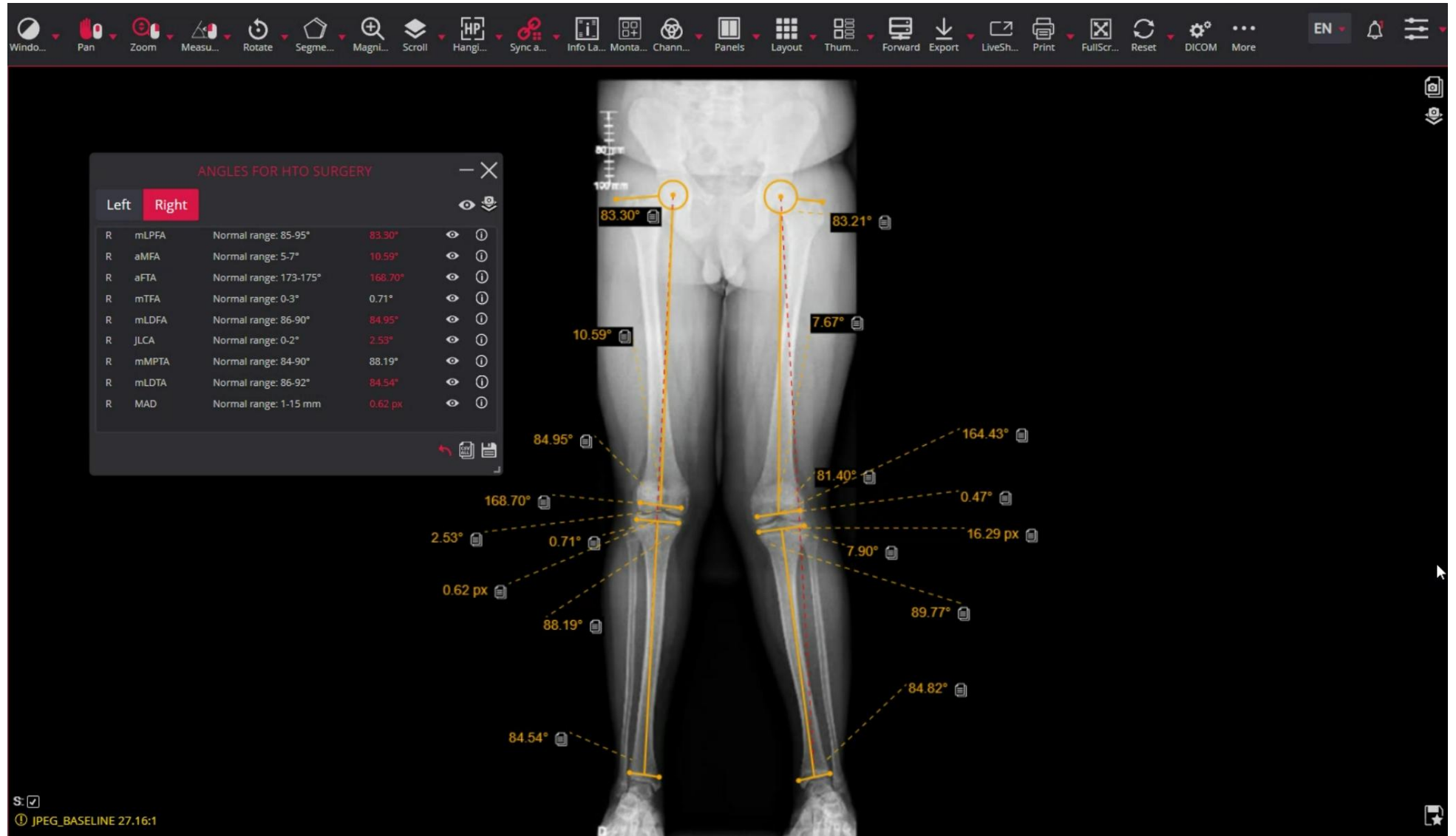
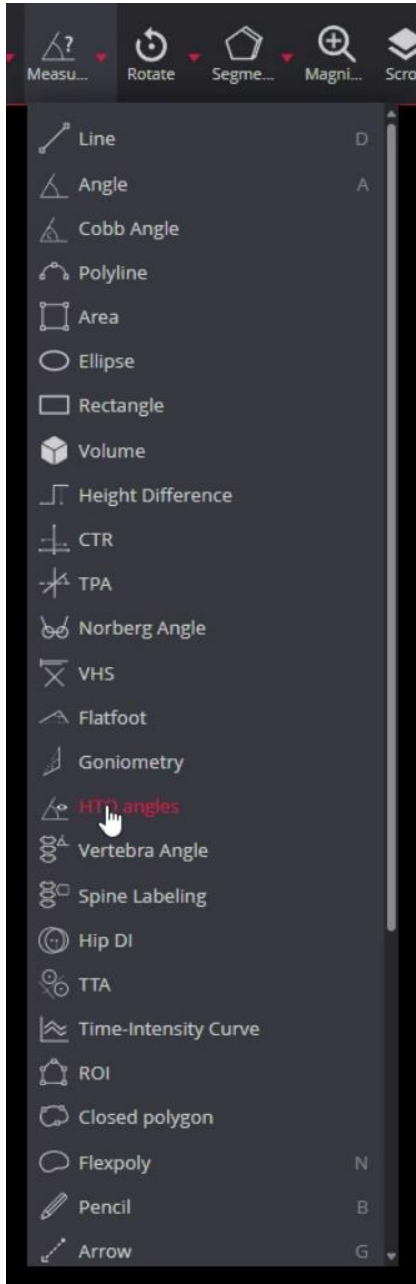


A screenshot of the search window showing a table of results. The table has columns for 'ID', 'Name', 'Accession', 'Modality', and 'Description'. The 'Modality' column shows 'CT' for the first two rows and 'CT, PT' for the third row. The 'Description' column shows 'dentist', 'KUNAS', and 'NEURO'. The 'Modality' column has a search icon and a dropdown arrow. The 'Description' column has a search icon and a dropdown arrow.

		<input type="checkbox"/> ALL	ID	Name	Accession	Modality	Description
<input type="checkbox"/>	<input type="checkbox"/>		001	Anonymized	MD_Feature	CT	dentist
<input type="checkbox"/>	<input type="checkbox"/>		001	Anonymized	182-185	CT	KUNAS
<input type="checkbox"/>	<input type="checkbox"/>		0	Anonymized		CT, PT	NEURO

# New feature: HTO angles

Measure High Tibial Osteotomy (HTO) angles for osteotomy surgery.



# New feature: Myocardium ROI

The Myocardium ROI is used to indicate the region of interest. Possibility to use Repulsor tool, edit contour and use a Brush tool to mark the desired areas between the contours.

- Select repulsor for myocardium ROI
- Edit myocardium ROI
- Select brush for myocardium ROI
- Select myocardium ROI

