What's New in CubeVue 4.2

Version 4.2 includes several new features in a formal release, some of which you may have already worked with in a beta version.

New Features:

- **Patient List Tab:**

  o Language Support:

    ▪ CubeVue now supports 4 languages: English, French, German and Italian.

  o Modify DICOM Study:

    ▪ Incorrectly entered patient data and study information (e.g., Patient ID, Patient Name, Date of Birth, Study Description, Laterality, Laterality of Interest etc.) can now be corrected by operator/technologist.

    ▪ To access the 'Create Modified Study' option, copy the Recon and DRR files, if present, to the local tab and choose the relevant option from the context menu after right clicking on Recon in the local patient list. Corrected studies are automatically saved to local tab & can be sent to remote tab if required.

  o DICOM Import:

    ▪ Zipped DICOM datasets can now be imported directly for analysis. Zipped file needs to natively contain the DICOM files.

- **Review Tab:**

  o Save Volume as DICOM:

    ▪ MPR Rotation is now saved upon sending to PACS or exporting to folder. Rotation is also saved when using the cropping tool for all anatomies.

    ▪ DICOM Reformat Creation dialog box is re-organized for better user experience.

    ▪ User can access the View/Edit Crop Box by clicking a button (in addition to the right click context menu option previously).

    ▪ The patient information (e.g., Series Description, Anatomy, Laterality) on the dialog box is pre-filled from ACQ selections. The user may change anatomy or laterality if needed before creating the reformats.

    ▪ The reformats can be exported as zipped/non-zipped and compressed/uncompressed to a local folder. This can be helpful when creating vendor specific reformats.

    ▪ The reformats can be exported as compressed/uncompressed to local tab/database and remote tab or other desired AE (e.g. PACS).

- Use Vendor Specific Reformats option; it is there on the dialog box for the future expansion of the automatic creation of reformats in some scenarios.

- The reformats generated from CubeVue can now be previewed using a 3rd party viewer before sending to PACS. The reformats can be saved to a local folder which can be used for preview if needed. If acceptable, the same settings on the dialog box can be used to re-create & send the reformats to desired AE (e.g. PACS).

- SimX:

    - All Insta-X references are now replaced with SimX nomenclature.

    - There are some updates in the existing SimX images to better suit the clinical needs.

    - SimX images are now updated to display images for all the anatomies (including Hip, Pelvis, Multi-pass scans etc.). For customization of the SimX images as per individual customer site requirements, technical support maybe contacted.

    - DRR images (SimX images with improved image quality; currently available for LineUP Foot and Knee scans ONLY) can be viewed directly in CubeVue. When the Recon file is loaded, the DRR imagery (if visible in series list) will load into the SimX space and the SimX tab will be labelled as DRR tab.

- TALAS:

    - Red/Blue triangles in the TALAS tool window are now solid colors.

- Measurements:

    - Distance measurement can now be taken

        - without intermediate markers

        - with ½ length markers

        - with 1/3 length markers

    - "Bisector" option is added to the Cobb measurements. This option generates the bisecting line between two cobb lines and gives an angle with respect to the horizontal of the current MPR image.

    - HU circle can be drawn on MPR images by holding "Shift" keyboard key when drawing Ellipse.

    - HU Range option is added to the Measurements section on ribbon menu of review tab. This option highlights the areas on MPR images in blue color corresponding to the values defined in HU Range dialog box.

- **Media Export Tab:**

  - Media Export

    - DICOM Send capability is added to Media Export page, allowing for an easy multi-study selection of datasets to be uploaded to the cloud.

- **Generic Features:**

  - Upgrades:

    - Yellow frame added to active 3D window.

    - The default MPR image filter can now be set under Settings|Other and will take effect when loading a new dataset that does not have a session file associated with it. Just for context: If upgrading or installing for HR, the default MPR image filter should be set to Normal.

    - User can now have multiple local databases, if required. Technical support team maybe contacted for help in setting up multiple local databases.

    - DX datatype now identified in the patient series list. CLAHE-DX now displayed as 'DX' type while non-CLAHE images are displayed as type 'Raw'.

    - For old datasets which do not contain laterality information but have been loaded once and a session file exists, if DICOM Exported with anonymization, the laterality information is copied from the session file to the DICOM header. Subsequent first time loading of such exported dataset into CubeVue will not show the laterality dialog anymore.

  - Discontinued features:

    - Smart M1-M2 Angle Function is removed from the user interface. It was introduced in beta version of CubeVue for research purposes.

    - The "Patient View" display setup has been removed; "Radiology View" is now used exclusively. If podiatry customers still need Patient View, having v3.7.0.3 is recommended.

    - Customer Experience Program has been discontinued.

    - "Normalize dataset rotation" functionality has been removed from the user interface on the DICOM Reformat Creation dialog box.

    - Transfer of MPR image to SimX page has been disabled.