
Visus at ECR: JiveX 4.5 Functionalities Streamline Diagnostics



JiveX version 4.5 from VISUS, which was launched last year, not only offers an update of tried and tested PACS architecture but also introduces an optimised system equipped with innovative functions to facilitate and streamline imaging diagnostics. Image Registration, 3D Volume Rendering and Vessel Analysis: these additional image processing options have become indispensable tools in modern diagnostics.

The 3D visualisation function, developed by VISUS, illustrates how well the new components work hand in hand. Deep system integration allows seamless linkage with image registration and capturing. In Image Registration current and previous images are adjusted to allow identification and comparison of separate anatomical structures in 2D and in 3D. The program leads you right to the correct data set, eliminating the time-consuming search for the relevant areas of interest in the volume image stack. In 3D mode current and previous images can be rotated simultaneously which immensely facilitates therapy control and follow-up.

Capturing is another JiveX 4.5 function that makes processes simple and seamless: rather than creating a 'print screen' image the function freezes – that is: maintains – all settings, be it in 2D or 3D. Image and settings can then be called up with a single keystroke. Sequences can be filmed and stored as single stills or as 2D series. Moreover, 3D exams, not only single sequences, can be reviewed simultaneously.

Cursor synchronisation is a further example of the smart linkage of 2D and 3D image stacks: Moving the mouse over a 3D image prompts the system to browse the relevant 2D stack and to call it up upon a push button command.

Vessel Analysis is a function in the JiveX 4.5 portfolio which previously had been limited to dedicated workstations. The module calculates the vessel contours, applies the values to the entire segment and thus automatically identifies stenoses and aneurysms. While vascular analysis is not a 'real' CAD module it does help the user to localise any conspicuous segments which might be an aneurysm quickly and simply.

VISUS will be at this year's European Congress of Radiology which will take place from 7 to 11 March 2013 in Vienna.

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