VISIONPACS® *Advance*

The power to transform images into decisions

After 10 years of research and development, after a few hundred million lines of code and after a few dozen versions, the VisionPACS®*Advance* workstation has reached the level of maturity necessary to be a leader in several countries. Today VisionPACS®*Advance* launches the challenge of becoming the world reference medical image processing software.

VisionPACS®*Advance* is a scalable solution that starts with a basic version and allows you to add the options of your choice at a lower cost. Its intuitive, complete and extremely powerful user interface (2D, 3D, Volume Rendering, MIP, MPR, Autobone, Vascular analysis, Lung study, Oncology follow-up, etc.) makes this post-processing platform an essential tool for making a diagnosis. Its power and speed will save you time and streamline workflow in your radiology department or practice.

Binarios
by **T2S** GROUP

Database :

Local multimodality database, multiservice DICOM Store, Q/R, WorkList, MPPS, DICOM J2000.

View/edit DICOM fields.

CD/DVD import and burning with built-in viewer.

Export of images in bmp, jpeg, avi, etc.

Ergonomics and interfaces :

Quick and easy handling.

Toolbar depending on the type of exam and type of study.

Image thumbnails for easy navigation.

Security :

Authentication by username and password.

Access control by list of rights and permissions.

Password protected deletion and modification.

Anonymization of controlled examinations.

CE IIa marking for diagnosis.

Image viewing and processing :

Display and processing of images on one and two screens.

Support for a 3rd screen for the list of exams and the report.

Measurements (angles, distances, areas, densities)

Annotations, Image Rotation, Graduated Scale, Zoom, Magnifier and Cine Mode.

Special processing :

Stitching and collage of images.

Subtraction and addition of images.

Measurement: Cobb angle, TAGT and Coxometry/Gonometry.

Printing :

DICOM PRINT.

Automatic and manual film composition.

Real size printing.

film composition Backup.

Customizing film composition with image areas of different sizes.

Printing on paper printer.

3D and post processing :

Real-time variable-thickness MPR reconstruction.

Reconstruction of derived series of variable thickness.

Orthogonal and curved MPR reconstruction.

2D oblique and double oblique reconstruction of variable thickness (MIP, MinIP and AveIP)

3D reconstruction in VR/MIP/MinIP/AveIP.

Real-time premium 3D hardware acceleration.

Spherical shutter on 3D volume.

Manual segmentation of vessels and bone structures.

Advanced Vessel Analysis :

Bone segmentation and automatic vessel detection for examinations of the Thorax, abdomen and lower limbs (Autobone)

Detailed analysis of vascular structures.

Study of stenoses and aneurysms.

Tools for the automatic and manual improvement of vessel centerlines.

Creation of special vascular reports.

Lung study :

Automatic segmentation and detection of right and left lungs with volume calculation.

Calculation of pathological volumes

Automatic detection of lung nodules.

Creation of special lung reports.

Oncological follow-up :

Oncological follow-up according to the RECIST 1.1 evaluation criteria.

Creation of special oncology reports.

Study of multiparametric MR examinations :

Automatic detection of multiphase series.

Manual adjustment of pre-enhancement and wash-in wash-out ranges.

Display of the time/signal intensity line graph of a 2D or 3D ROI.

Chromatic display of Signal Enhancement Ratio (SER)

Chromatic display of the Maximum Slope of Increase (MSI)

Chromatic display of Positive Enhancement Integral (PEI)

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SGS ISO 13485