

TeraRecon: vendor-neutral complement to PACS



TeraRecon is showcasing iNtuitionREVIEW™, a powerful new multi-modality, multi-monitor review and collaboration tool at ECR. iNtuitionREVIEW is part of the iNtuition™ solution suite for advanced image management and quantitative decision support.

"Recently, we have encountered a growing trend in diagnostic imaging, where a neutral archive (VNA or PACS archive) is the custodian of images, and then a variety of applications access and process those images, according to a range of different use-cases" said Robert Taylor, Ph.D. TeraRecon chairman, president & chief executive officer. "TeraRecon's iNtuition has always complemented PACS with advanced functionality to resolve specialised use cases and workflow challenges not adequately addressed by existing PACS solutions. This role is now expanded and enhanced with the new, powerful iNtuitionREVIEW client, designed to complement PACS with multi-monitor display of multi-modality data, in specialised use-cases such as cardiac (CT, MR, Cath, Echo, EKG) or breast (MR, Mammo, Ultrasound). iNtuitionREVIEW is also designed with co-operation and collaboration in mind, with specialised features for the preparation and execution of physician conferences, demos, and multi-disciplinary team meetings."

TeraRecon has always been a "Vendor Neutral Application", generally working with an image repository provided by another vendor, such as PACS. iNtuitionREVIEW expands upon this philosophy to offer more vendor-neutral solutions to the clinical workflow challenges faced by imaging professionals who have otherwise relied on PACS and expected PACS to address all imaging needs. iNtuition relieves the pressure on PACS to be all things to all people, by strategically complementing PACS functionality in specialized areas.

The full suite of Vendor-Neutral Applications showcased by TeraRecon at ECR 2013 includes:

- iNtuition: Enterprise-class professional advanced visualization solution
- iNtuitionREVIEW: Multi-modality, multi-monitor, 2D/3D/4D for review and conferences
- iEMV: Zero-footprint, mobile and browser-based distribution to Image-Enable EMR
- iNtuitionSHARE: CD-Free Image Sharing
- iNtuitionCLOUD: All iNtuition features via an in-house or hosted Private Cloud

Recent enhancements

iNtuition continues to evolve and numerous key clinical enhancements will be showcased at ECR 2013, particularly in support of the practice of Oncology, Cardiovascular, and Clinical Research.

Lobular Decomposition – Enhanced to support 8-(liver) and 5-(lung) lobe decomposition
Findings Workflow – Tracking of volumes and measurements over time
PET – Enhanced support for images acquired with new tracers, such as Flortetapir
Time-Volume Analysis – Enhanced support for Cardiac MRI image acquisitions
3D/4D Visualization – Enhanced TAVI (transcatheter valve implantation) analysis
Lesion-Specific Analysis – Support for research into downstream impact of stenosis

iNtuition Review

iNtuition Review expands the client capability of the company's flagship iNtuition solution to support advanced professional multi-modality multi-monitor review. Especially suited to the review of images related to conditions typically involving multi-modality imaging such as cardiac (Cath, Echo, CT, qualitative MR) and breast (mammography, breast MRI, ultrasound), iNtuition Review enhances the role of iNtuition as a complement to PACS within radiology workflow. iNtuition Review includes special functionality to create folders of cases for presentation in daily or weekly radiology conferences and multi-disciplinary meetings.

iNtuition Enterprise Medical Viewer - iEMV

iEMV builds upon the multi-modality review capability of iNtuition Review, by providing a simple, intuitive, browser-based client which requires no download, no installation, and no plugin. A completely zero-footprint viewer, which supports a wide range of browsers dating back to IE7, iEMV seamlessly integrates with the advanced visualization scene files from the iNtuition Client, and multi-modality case presentations from iNtuition Review. The iEMV solution is massively scalable, VMWare Ready, and virtualizable. On the client side, iEMV is equipped to integrate with EMR/HIS/PACS for enterprise access to image and non-image data in the context of access to the complete patient medical record.

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iNtuitionSHARE - Image Sharing with iNtuition

Leveraging the powerful iNtuition Uploader, iNtuitionSHARE makes possible CD-free transport and distribution of images between medical facilities and peers, or patients. When a healthcare facility deploys an iNtuitionSHARE server, it is able to offer free access to network upload of images to institutions that need to send images into the facility, while removing the need to burn CDs for outgoing images. Rather, it is possible to simply provide a link through which external facilities and patients can view and download images as required.

iNtuitionCLOUD – Full functionality, with accountability, via a web browser

iNtuitionCLOUD is a self-contained solution which allows the full capability of iNtuition to be deployed via a web browser, either as an externally-hosted managed service, or as an in-house Private Cloud. New accounting features empower iNtuitionCLOUD operators to track usage and bill accordingly. New improvements to the free iNtuition Uploader, a simple desktop executable, allow DICOM push of images to the Uploader for direct relay to the Cloud.

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