Customizable Viewer Framework

SkyVue® is Cerner’s industry-leading viewer framework that is continually evolving and changing to meet its users’ needs. Cerner SkyVue is a customizable viewer framework which enables the use of one cohesive viewer within the enterprise and beyond, regardless of role or venue. Whether in the radiology department or throughout the enterprise, Cerner SkyVue gives organizations the same view of a patient’s images and EHR information, enabling clinicians to better communicate, diagnose and treat patients. Cerner SkyVue gives users the freedom they need, with the view they’ve always wanted.

Cloud PACS to Increase Productivity

PACS/RIS developer Paxeramed has released its third-generation of its cloud PACS PaxeraUltima. The latest PaxeraUltima release is designed to increase radiologists’ productivity by enabling simultaneous study streaming, combining multiple sites to a single worklist with full control on users’ accessibility. The zero-footprint viewer enables clinicians to reference prior studies from any device or browser. The third-generation cloud PACS incorporates the latest radiological tools including a critical results module that improves effectiveness of communication among caregivers, a peer review module, an ED-Rad Discrepancy panel and a secure image sharing feature that conforms with IHE standards.

Ergonomically Friendly, Integrated Workstation

Repetitive stress injuries are an important problem that affects every radiologist, regardless of level of training, specialty or if they are in academia, hospital or private practice settings. The Whitestone™ workstation, now in neutral gray, addresses the need for an integrated workstation with proper adjustable lighting, controlled climate and enhanced acoustics all wrapped up into an ergonomically friendly, height-adjustable unit. As AFC Industries approaches its 20th year, it continues to research and apply its vast knowledge, incorporating the necessary features to produce ergonomically designed imaging workstations that can increase productivity.
Lung Cancer Screening Information System

Patient tracking & radiologist reporting for CT lung cancer screening

Booth #7210 (North Hall)
LungView.com
while lessening the effects of repetitive stress injuries.

**Probe for Near-field and Depth Imaging**

As part of the ZS3 ultrasound platform, ZONARE introduces the L20-5 transducer as a works-in-progress. The superb resolution of this versatile probe provides excellent near-field imaging for small parts as well as the flexibility for imaging at depth. With a 32 mm aperture and up to 8 cm penetration, it is continuously focused on both transmitting and receiving. It supports B-Mode, compound harmonics, spatial compounding harmonics, CD-Mode, PDI, dPDI, PW-Mode, HPRF, M-Mode and CEUS. The lightweight ergonomic design provides excellent imaging for pediatric, musculoskeletal, breast, testicular, interventional, vascular and other applications.

**Digital Portable Radiography**

SHIMADZU’s MobileDaRt Evolution, a digital radiographic system ranked “Best in Category” for three years in a row by KLAS, now features an expanded flat-panel detector lineup. This fully integrated digital portable system offers versatile outcomes simplifying workflow by utilizing SHIMADZU’s newest digital platform. Various flat-panel detector sizes include 14” x 17”, 17” x 17” and 11” x 14”. A pioneer of portable DR solutions, SHIMADZU released the original Mobile-DaRt in 2004 and continues to innovate its portable DR system with the latest technology, expanding its use for all specialties. SHIMADZU continually contributes to the improvement of clinical services by providing the best digital portable radiographic system.

**6 Mega Pixel LED Display**

1640 x 2048 and 6 mega pixel 3280 x 2048 multi-display resolution. Hallmarks of Dome’s intelligent engineering include ultra-thin bezel, fanless cooling, lightweight design, non-reflective glass, low power consumption and a hidden front RightCheck sensor for remote conformance testing. Every Dome display is fully factory characterized, with no further field calibration necessary. FDA 510(k) approval is pending.

**Image Sharing Platform and Universal Viewer**

Qi introduces an image sharing platform and universal viewer, both as works-in-progress. The image sharing platform will be a true, web-based clinical electronic exchange capability which allows clinicians to share medical images and information within or outside the healthcare enterprise. It will be highly scalable and accessible through all major web browsers, eliminating the inefficiencies associated with conventional sharing methods. The universal viewer will be a web-based and zero-footprint viewer capable of displaying DICOM images and many non-DICOM objects. It will provide access to patient images and information throughout the enterprise and across the patient care continuum.

**Efficiently Review Large Image Sets**

XPOSCROLL™ introduces a revolutionary autoscrolling system designed to increase review efficiency of larger image sets in PACS, common for CT and MR imaging exams. The system combines speed and precision using unique exponential scroll rate dynamics. It’s ergonomically superior and significantly decreases scrolling movements. The current product is a USB dongle device which converts a standard computer mouse into one with autoscrolling capability. Production of a dedicated device for use with PACS is anticipated and other useful future applications could include a gaming control.

**Body MR Online Course**

The American Roentgen Ray Society (ARRS) Body MRI Online Course discusses the current state-of-the-art body MR imaging techniques and practical applications of these techniques to continuously improve clinical performance. The course offers 30 AMA PRA Category 1 Credits™ and 27 SAM Credits.

**Search-driven Analytics**

Montage Healthcare Solutions introduces refinements to Montage Search and Analytics™, the search-driven analytics tool that helps reveal the business performance and clinical quality understanding concealed in the radiologist’s unstructured narrative. These improvements will enhance radiology leaders’ ability to assess and manage productivity, billing accuracy and clinical quality. Radiologists’ report quality will further benefit from enhanced access to historical information at the point of care. By eliminating the tedious process of sifting through mounds of paper, valuable insights are now within reach, including those that span clinical domains such as radiology and pathology.

**X-ray Quality Assurance**

Unfors RaySafe announces the RaySafe X2 Prestige quality assurance system including sensors for radiography, fluoroscopy, mammography, light and CT. The RaySafe X2 enables users to quickly and easily take an X-ray measurement and see kVp, dose, dose rate, HVL, pulse, pulse rate, dose/frame, mA, mAs, time and the corresponding waveforms right on the touchscreen. In addition, sensors are orientation independent and there is no need to choose ranges, modes or X-ray machine types. The base unit can hold up to 10,000 exposures. The X2-view software enables further analysis and report generation.

**Low-dose CT Lung Cancer Screening**

Medic Vision, provider of the SafeCT Iterative Image Reconstruction system for low-dose CT image enhancement, announces an innovative cloud-based low-dose CT lung screening service. The service allows any radiology department or practice to perform low-dose CT lung screening without going through the hassle and expense of purchasing and implementing iterative reconstruction technology. With this service, low-dose CT lung images are forwarded to a remote cloud-based SafeCT system for immediate processing, achieving high diagnostic image quality. Based on SafeCT’s many years of routine clinical use, the new service is available for a pay-per-scan fee for CT scanners of all major vendors.

**Web-based Reporting Platform**

IntelePACS® is a highly scalable distributed radiology solution that drives the performance of imaging professionals in clinics and hospitals alike. Combining secure communications and compression technology, IntelePACS’ web-based platform allows users the freedom to report studies from any location. Robust yet easy to use, IntelePACS 4.8.1 features updated Analytics and Image Fusion modules, as well as Unified Radiologist and Transcriptionist Workflows in Multi-Method Reporting.

**Technical Exhibition Hours**

Hall A (South Building), Hall B (North Building)
Sunday, Dec. 1 – Wednesday, Dec. 4
10:00 a.m. to 2:00 p.m.
Thursday, Dec. 5
10:00 a.m. to 2:00 p.m.
Cardiac MR Imaging

When echocardiograms prove insufficient for diagnosis, look to Diagnosoft’s patented and FDA 510(k) cleared cardiac MR imaging solution for patient assessment. With benchmark sensitivity and specificity, the high-throughput Diagnosoft CMR exam yields an advantageous alternative to nuclear or cardiac catheterization exams. Diagnosoft’s automated analysis, Progressive Adoption Program™, and echo-centric report production makes Diagnosoft CMR a practical reality for both hospital-based and freestanding facilities. Improve patient outcomes, outcomes and contain cardiac imaging costs. Deliver the unequivocal cardiac assessment to your patients and referrals.

Mobile Data Entry for Meaningful Use

DR Systems’ certified EHR technology released a mobile product for Meaningful Use data entry. The mobile data entry enables physicians to input patient and visit data at the time of “seen by EP” encounters. Radiologists can qualify for the EHR Incentive Program with minimal effort and without new interfaces or IT support. The certified EHR technology is also integrated with a personal health record system which enables physicians to collect pre-visit patient data and deliver clinical summary and imaging reports.

Cross-enterprise Radiology Workflow

Rialto by Karos Health provides relevant imaging wherever it is needed. It enables storage consolidation for DICOM and non-DICOM imaging assets and all other unstructured content. Through seamless integration with EMR, Rialto creates access to relevant patient content throughout the hospital enterprise and health community. It supports cross-enterprise radiology workflow, driving sophisticated pre-fetches and ad-hoc queries across multiple, heterogeneous PACS. Rialto includes a full EMPI to seamlessly manage patient identifiers. Rialto’s core architecture is based on open standards, maximizing future flexibility.

Ultrasound, Echocardiography and Vascular Imaging Tables

Biodex announces its new line of tables for ultrasound, echocardiography and vascular imaging. The improved design focuses on ergonomics that benefit both the sonographer and patient. These include fowler back functionality, redesigned retractable stirrups, articulating scanning arm board, recessed side rails and the new optional headrest extension. The redesigned cardiac drop-down cushion for echocardiography scanning provides the largest cardiac access of any table with no protrusion, for unencumbered access when acquiring apical images and can be controlled from either side. The side rails are fully flush when upright and stowed beneath the table, further eliminating obstruction.

Enhanced Modality Support for Universal Viewers

Claron announces extended modality support for its market-leading Nil universal zero-footprint medical viewers. NilShare for referring physicians and the newly FDA-approved NilRead diagnostic viewers, now support high-definition MPEG-4 videos and all common image formats including JPEG, TIFF and PNG. The viewers also support full IHE XDS profile, including comprehensive HL7 CDA documents. The Nil viewer family is optimized for cacheless integration with remote archives, including PACS and VNA. This allows Nil to provide the best user experience for the clinical workflow typical of universal viewers, where it is not possible to optimize data access based on a scheduled workflow.

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Online Cases of the Day let you experience the RSNA annual meeting any day of the week, any time of the year, with a sleek new interface.
Improve Detection in High Density Breast Tissue

Gamma Medica introduces an updated LumaGEM® Molecular Breast Imaging (MBI) system. This latest system improves the operator experience and integration with hospital informatics. The FDA-approved, LumaGEM MBI system is a dual-head, solid-state digital imaging system utilizing cadmium zinc telluride (CZT) technology for high-precision molecular breast imaging. MBI has been shown to complement mammography and significantly improve the detection of breast cancer in women with high-density breast tissue and is becoming an imaging modality of choice for these patients. Gamma Medica also announces the grand opening of its new office in Salem, N.H.

Precisely Access Specific Patient Images

CoActiv Medical’s EXAM-PACS® version 3.0 has expanded vendor-neutral technology and a broad range of cloud options that bring new market-leading features and functionality to its flagship enterprise PACS.

Among the introductions are interface utilities that update the EMR for precise access to a specific patient image, a capability necessary for attesting to Meaningful Use. With an enhanced focus on administrative ease, complemented by a range of new user management tools and flexible permissions, CoActiv customers will achieve the highest levels of security and access control.

Innovative Patient Communications Portal

Advanced Data Systems (ADS) introduces a versatile new patient communications portal for its MedicsRIS radiology information system. The portal will enable patients to contact imaging center staff to schedule an appointment, securely access and complete a full range of patient forms and receive exam instructions and results. All patient information is automatically stored in the imaging center’s MedicsRIS system and radiology reports are downloadable by referring physicians and any authorized user. The portal offers an important new convenience for patients, as well as efficiencies for radiology practices and referring physicians.

Virtual Dissection Table for Interactive Anatomical Visualization

The Anatomage Table is a virtual dissection table for interactive anatomical visualization. A powerful educational tool, the table can display full-body anatomy based on patient data. With the touch interface, users can rotate the virtual body, zoom and make cuts. The table can load real patient scans and comes with a digital anatomy library with over 100 pathological cases including 4D animated scans to demonstrate anatomical movement and comparative study cases allowing users to interact with three related cases simultaneously. With its unique content and hardware design, the Anatomage Table offers unprecedented technology for the medical education community.

The information for these new products and services was provided by the manufacturers.

Securely Access Images, Interpretations and Related Data

Dicom Systems introduces DCMSYS Connect, a technology that allows doctors to securely connect any radiology viewer/workstation to the DCMSYS Vendor Neutral Archive and the DCMSYS router anywhere and anytime. It’s crucial for radiologists to have timely and effective access to images, interpretations and related data.

RSNA.org/virtual
DCMSYS Connect enables radiologists and referring physicians to use their existing workstations to connect to DCMSYS products suite in a secure HIPAA-compliant way. Eliminating the need for a dedicated VPN tunnel, the technology allows connection to the DCMSYS routers and VNA running in any private or public cloud network where VPN connectivity is not an option.

Wireless Flat-panel Detector

ATLAIM introduces ATAL Scw, a wireless flat-panel detector with complete 17° x 17° coverage for easy detector placement. Featuring a standard cassette format with the largest image capture capability and auto exposure sensing technology, it transforms a CR or analog system without changing it. Installation is quick and non-invasive and the detector is independent technically. No warranty issues occur with the X-ray vendor. It is a versatile product intended to be used with systems with a table, wall stand and mobile X-ray.

Accelerate Comparisons of Medical Images

Blackford Analysis’s Blackford Matched-Crosshairs™ is part of a suite of tools that accelerate comparisons of medical images. Navigating between multiple cross-sectional examinations can be a challenge and usually involves several mouse clicks and manually scrolling through hundreds or thousands of slices to find the same location to compare. Any medical image viewer such as a PACS or universal viewer can be enhanced with Blackford Matched-Crosshairs, to allow radiologists to simply click once on a location in any scan to instantly find the same location on multiple scans from different times and/or modalities, all with a single click.

Radiography and Fluoroscopy Digital X-ray

To improve diagnostic confidence, Toshiba debuts enhancements to the Kalare™ radiography and fluoroscopy digital X-ray system. The system now features a 17” x 17” dynamic flat-panel detector (works-in-progress) to provide clinicians with distortion-free, high-quality images. Replacing the current image intensifier with a flat-panel detector extends coverage for imaging larger patients and helps reduce panning time for exams requiring fluoroscopy, such as a barium swallow.

Digital Breast Tomosynthesis

Carestream introduces works-in-prog-ress enhancements to its digital breast tomosynthesis module for the CAR- ESTREAM Vue Mammography Workstation. The new digital breast tomosynthesis module is intended to include the display of DICOM-compliant 2D synthetic views, which are calculated from the 3D dataset. The use of synthetic views is being considered as an alternate approach to reducing dosage while allowing full advantage of the benefits of digital breast tomosynthesis. Other works-in-progress additions to Carestream’s digital breast tomosynthesis module are intended to include a digital breast tomosynthesis image map and improved workflow settings.

Fluoroscopy, Radiography, Tomography and Angiography Unit

Del Medical’s Apollo EZ by Villa is a fully featured radiofrequency system with fluoroscopy, radiography, tomography, and angiography capability all in one unit. The EZ can be configured with a digital flat-panel or a 9”, 12” or 16” image intensifier. The EZ table has a tilt range of -30 degrees to +90 degrees and a tube column with 71” source-to-image receptor distance (SID) and full longitudinal movement, allowing for virtually all upright and recumbent studies to be performed.

Unified EHR for Cardiology

Cerner’s PowerChart Cardiovascular™ solution unifies diagnostic cardiology activities, therapeutic interventions and follow-up regiments into a unified electronic health record for the patient. This greatly simplifies workflow and enables cardiologists to see a consolidated view of clinical information from within Cerner’s EHR, PowerChart™. Integrated with Cerner’s new viewer framework, Cerner SkyVue®, PowerChart Cardiovascular enables cardiologists to view current cardiovascular studies and reports with prior images and EHR information, enabling evidence-based diagnosis and treatment of patients.

Streamline Workflow Processes

Flow™ by Intelerad is a proven workflow solution that drives performance by streamlining processes across the imaging chain. The perfect companion to an enterprise VNA, Flow enhances radiologists’ productivity through its unified interface, intelligent worklists, embedded subspecialty tools, structured reporting tools and full integration with industry-leading voice recognition solutions. From facilitated image acquisition to improved collaboration with technologists and referring physicians, Flow enables teams to deliver high-quality diagnostics to a greater number of patients and referring physicians.

Reduce Training Costs and Error Rates

DR Systems unveils the all new Unity Scheduler. It has been completely redesigned to reduce training costs, error rates and increase overall productivity. DR Systems has leveraged the latest technologies, integrated domain expertise and employed user-centered design to give customers the best possible user experience. Highly configurable, the Unity Scheduler can accommodate multiple-step procedure groups to easily schedule studies that would otherwise be problematic, even nuclear medicine. It utilizes a resource-based scheduling engine to maximize modality utilization rates and provide the expected speed and performance. In addition, Unity Scheduler allows patients to schedule exams directly from their mobile devices.

Web-based, Cacheless Universal Viewer

The Perceptive Enterprise Viewer, powered by Acuo Technologies, is web-based universal viewing technology. It’s a cacheless, zero-footprint, non-diagnostic, enterprise-class viewer designed to take advantage of modern web technologies and integrate with Acuo’s industry-leading VNA software. It supports DICOM and XDS-compliant non-DICOM content within a patient context. The viewer is for organizations with a broad population of clinicians: those who need to view all clinical images from multiple devices including mobile; those with multiple EMR or HIS applications with image requirements and need to search/view outside the EMR/HIS; and those with plans to implement a clinical document repository including XDS support.
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