Cost-effective 1.5T MR Imaging

The NSM-S15P by Neusoft is a cost-effective 1.5T MR imaging system, designed to deliver fast scanning, high system performance and excellent image quality to patients and clinics. The NSM-S15P features optimized scanning workflow to minimize patient scanning time while providing maximum comfort to the patient. Neusoft’s remote service provides real-time online service and the global service network provides fast on-site service to ensure maximum performance.

Portable Ultrasound for Needle-based Interventions

Clear Guide Medical introduces the Clear Guide ONE, a compact, portable and cost-effective solution in medical ultrasound guidance for needle-based interventions. The Clear Guide ONE uses computer vision to provide intuitive guidance, helping to insert any needle at any angle and depth needed, without constraints. The Clear Guide ONE’s touch-based interface, in-situ projected dynamic guidance and minimal hardware, calibration-free at the point of care, create a convenient tool to make complex interventions easier without disrupting workflow. It enables doctors to perform more complicated procedures in more clinical settings.

Steerable FNA Needle

AprioMed’s Morrison Steerable Needle™, pending FDA 510(k) clearance, is the first steerable fine-needle aspiration (FNA) needle enabling active guidance around objects inside the body. During image guidance, the needle can be steered with live feedback allowing precise needle placement. The 21-gauge needle enables soft tissue biopsy as well as aspiration and injection. With the needle’s enhanced control, it’s possible to make multiple adjustments including major adjustments around bones, organs or neurovascular structures and minor adjustments near the target.

Secure Mobile Image Viewing

In addition, Calgary Scientific was first to receive FDA clearance for Android devices, adding to their current list of iOS and web accreditations.

Proven Performance Makes the Difference

To boost clinical productivity, pristine image quality is critical to enabling fast, accurate diagnosis. Only the multi-modality Barco Coronis Fusion 6MP LED offers proven performance based on years of experience. Patented technologies, optimized glass and an intelligent system of sensors work together to increase clinical productivity, making it the industry’s best-in-class six megapixel display.

Visit Barco at booth 3306 and experience the difference

* Researchers from Montefiore Medical Center found that the Coronis Fusion 6MP diagnostic display increases productivity and reduces eye strain.
Lung Cancer Screening Information System

Patient tracking & radiologist reporting for CT lung cancer screening

Booth #7210 (North Hall)
LungView.com
Amirsys Reference Centers delivers online radiology, pathology and anatomy references for the entire institution. Each reference, written by experts, is comprehensive and image rich. The powerful Google-like search allows medical professionals to quickly find vital information when ordering and interpreting tests, or when reviewing radiology, pathology or anatomy perspectives. The text is brief and bulleted to help readers absorb information efficiently. Mentors and educators can download images directly to PowerPoint for rapid presentation creation.

Protecting hands while retaining flexibility and tactile feel. The smooth BLOX cream is easy to apply and allows users to accommodate up to six monitors. Combine them with ergonomic chairs, add-ons and lighting for a complete PACS reading room solution.

New Peer-reviewed Medical Imaging Journal

Now accepting submissions and launching in early 2014, the Journal of Medical Imaging (JMI) will give the increasingly interdisciplinary field of medical imaging a home for peer-reviewed scientific presentations, discussions, reviews and archiving. JMI is edited by Maryellen Giger, Ph.D., professor of radiology at University of Chicago, and published by the International Society for Optics and Photonics (SPIE). JMI’s initial scope mirrors that of the annual SPIE Medical Imaging Symposium and includes imaging physics, tomographic reconstruction algorithms, image processing, computer-aided diagnosis, visualization and modeling, image perception and observer performance, technology assessment, ultrasonic imaging, image-guided procedures and digital pathology.

Seismic Testing and Certification for Nonstructural Equipment

Dynamic Certification Laboratories (DCL) provides special seismic testing and certification services for nonstructural equipment and components in critical facilities such as hospitals and government buildings. DCL’s ICC-ES AC-156 accredited laboratory performs all seismic testing, reporting and agency submittals in-house to gain client compliance with current code standards for earthquake safety. DCL has shake-table tested and certified a wide variety of equipment from surgical light systems, to chillers, to electrical panels. While code requirements are not new, code enforcement has become more stringent in recent years, making seismic testing and certification services new to many industry professionals.

Fully Digital Mobile X-ray

PROTEC has developed a state-of-the-art fully digital mobile X-ray system PROSLIDE 32 DR-Touch, to offer a suitable X-ray product for emergency rooms and intensive care departments of hospitals specializing in X-ray exposures of immobile patients. The PROSLIDE 32 DR-Touch’s 22” multi-touch widescreen monitor, RAPIXX DR-system, CONAXX image acquisition software and powerful 32 kW generator provide extremely high-performances, convenient workflow and high image quality with low-dose, ideal for a broad variety of mobile applications. Easy-slide components with 90 degree-arm rotation make the system handling simple and fast with maximum flexibility in narrow room conditions.

Accelerated Radiology Workflow

Nuance has released PowerScribe 360 radiology reporting and communication platform version 2.0, built on its industry leading Dragon Medical 12 speech engine. Version 2.0 offers unmatched accuracy, optimizing radiologist efficiency and facilitating real-time report creation. New automation tools increase report accuracy and facilitate the creation of structured reports that improve timeliness and quality of care while driving operational excellence. Data integrations now supporting DICOM SR, allow critical information such as measurements to be automatically inserted into the report, improving speed and accuracy and ensuring compliance with regulatory requirements. PowerScribe 360 Critical Results enhancements improve the management of critical findings communication.

Digital Cameras and Recorders

LOW LATENCY - HIGH RESOLUTION - LOW NOISE

North Building - Hall B: 7950B
ioindustries.com
CT Bone Densitometry Software

MindwaysCT is pleased to announce a new version of its world-leading CT bone densitometry software, QCT Pro™. Quantitative CT (QCT), with its low capital and maintenance costs, can provide bone densitometry services for much less than the cost of operating a dual-energy X-ray absorptiometry (DXA) machine. Smaller facilities with lower densitometry referrals can take advantage and offer an important service to their communities. This asynchronous version provides bone density measurement without the use of a patient calibration phantom, allowing measurement from any abdominal or pelvic CT scan including CT colonography studies. 510(k) pending, not for sale in the U.S.

Secure Image Exchange Without Cloud Storage

ETIAM, a Massachusetts based medical image sharing company, has released its flagship ETIAM-Connect software suite, Nexus 4.0. The Nexus 4.0 provides medical professionals and doctors the power and security to exchange medical studies seamlessly with other doctors and institutions. The Nexus 4.0 comes packed with new features, boasting an easier interface for accessing patient studies, clear identification between patient and hospital and streamlined data processes for linking hundreds of studies with doctors and patients without using cloud storage. ETIAM-Connect has also made it easier for professionals to upload their studies to PACS and share securely with other institutions quicker than before.

Preconception and Prenatal Radiation Exposure Report

NCRP Report No. 174, Preconception and Prenatal Radiation Exposure, covers both ionizing radiation sources and specific non-ionizing sources such as MR imaging, ultrasound imaging, and radio-frequency fields. Ionizing radiation exposures from diagnostic, therapeutic and nuclear medicine are addressed. The risks from ionizing radiation exposure are examined from preconception through pregnancy and during the nursing of infants. Outcomes and associated risks from preconception exposure include infertility, stillbirths, birth defects, genetic alteration and cancer. Outcomes and associated risks from exposure during pregnancy include congenital malformations, growth retardation, embryonic and fetal death, mental retardation/neurobiological effects and cancer.

Share Studies Online

RadConnect powered by StatRad, a trusted teleradiology provider, is an online solution for sharing radiology studies with patients, referring physicians and other facilities. RadConnect’s easy collaboration tools can help reduce radiation exposure from duplicate exams and provide better service to referring physicians. Clients can use StatRad and RadConnect together or separately for the solution that best fits their practice. RadConnect is free to use and studies remain in the RadConnect cloud for 60 days with the option for a longer term available for an additional fee. RadConnect recently concluded beta testing and is currently available nationwide.

The information for these new products and services was provided by the manufacturers. Inclusion in this publication should not be construed as a product endorsement by RSNA.

CME On-the-Go—Stop by for a demo!

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.

Visit the RSNA Store in Lakeside Center for your demo and to purchase annual meeting refresher course CDs.

To access RSNA online education library, go to RSNA.org/library.
Dual Flat-panel DR

EcoRay Co. is pleased to announce a newly designed dual flat-panel digital system, EcoView9 Plus, equipped with its own 65kW HFG, 17” x 17” dual flat detectors, ceiling suspended motorized tube stand, ergonomic motorized elevating table and auto collimation. With the EcoView post-processing software the EcoView9 Plus provides high-quality images, a wide range of imaging process options, worklist functions, DICOM and PACS compatibility and more. All of this combined provides fast access and greater patient care.

Enhanced PACS for Treatment Planning

Carestream presents enhancements to its Vue PACS platform as works-in-progress. Its innovative Vue PACS Reporting, shown as a works-in-progress, is designed to help enable insertion of key images and quantitative comparisons such as vessel analysis and measurements from modalities into radiology reports. This capability is intended to aid clinicians in treatment planning. Carestream also introduces its 64-bit Vue PACS architecture as a works-in-progress.

Excellent Image Quality Across Clinical Applications

SG Healthcare’s MRI-INVICTUS system with 0.35T magnet delivers excellent image quality across a broad range of clinical applications. The open design offers maximum comfort, especially for children, elderly and large patients. Offering the strongest gradients at 33mT/m and slew rate of 90T/m/s, the INVICTUS is unmatched by any system below 1.5T. It has the widest range of clinical applications including ce-MRA, DIXON fat and water separation, DWI and ADC map.

Compact, Full Application Ultrasound

SonoScape’s S9 is the new generation ultrasound product developed out of constant innovation and considerable effort. The S9 is compact, yet fea... continued on next page

Mammography, Oncology, and Vessel Analysis Post-processing Workstations

aycan, a leading provider of innovative cost-saving PACS solutions, releases new plugins for aycan Osirix PRO post-processing workstation, which significantly expand the functionality of its specialty workstations for mammography (w/Hanging Protocol plugin), oncology (w/RECIST and Fusion-Sync plug-ins), and vascular surgery (w/Vessel Analysis plug-in). All workstations offer excellent image-loading times and intuitive user interfaces. Also featured is the companion FDA-cleared aycan mobile iPad App for Teleradiology, which is designed for easy, fast, and secure viewing and transfer of DICOM images with an iPad.

Scalable, Patient-friendly CT

Healthcare providers looking for a versatile, scalable and patient-friendly CT system now have a solution with the launch of Toshiba’s Aquilion™ PRIME. The scalable system allows customers to access the technology they need today with a streamlined upgrade path as those needs change. The ergonomic and energy-efficient design fits into smaller spaces, consumes less electricity and requires less air conditioning. For patients,
continued from previous page

High-frequency Radiography Generator

Claymount’s ClayRad 1 High Voltage Generator is a dedicated high-frequency radiography generator that fits anywhere. It features a reduced weight and size, an optional user-friendly touchscreen control unit and can be operated in rooms without radiofrequency shielding, making the ClayRad 1 High Voltage Generator the smart choice for any size clinic. Additional features include anatomical programmed radiography (APR), auto calibration and an integrated variable high speed starter. The generator is designed and manufactured in Claymount’s center of excellence in Sursee, Switzerland.

Integrated Ultrasound makes workflows are saved into the US image set. Imorgon score. Electronic worksheets and drawings includes T-score calculations with the association. Measurement transfer for DEXA now includes drawings to document lesion locating time and increasing accuracy, and now automatically transfers measurements and

The industry-leading Report Accelerator now integrates with GE and Agfa PACS for many more.

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PRO 4D is easily customizable and can be switch between 2D, 3D and 4D workstations. It’s an all-in-one solution. iQ-VIEW PRO 4D is easily customizable and can be adapted to individual needs. Choose between a large variety of modules for multiple-phase imaging, vascular, and all major organs including virtual endoscopy, oncology RECIST, liver, heart, brain, breast and many more.

Easier, More Accurate Workflows

Imorgon IntegratedUltrasound announces several enhancements to its product portfolio. Renowned for seamless integration with Philips iSite/IntelliSpace, Imorgon now integrates with GE and Agfa PACS for more efficient reading of ultrasound exams. The industry-leading Report Accelerator automatically transfers measurements and observations to the dictation window, saving time and increasing accuracy, and now includes drawings to document lesion location. Measurement transfer for DEXA now includes T-score calculations with the associated anatomical location of the minimum score. Electronic worksheets and drawings are saved into the US image set. Imorgon IntegratedUltrasound makes workflows easier and more accurate with improved patient safety.

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DR Breast Imaging for All Types

NeuCare Mammo DR’s tungsten technology enables breast examinations for women of all shapes, sizes and breast densities with shorter scan times and lower dose. To match the breast density and thickness of patients, the NeuCare Mammo DR offers Rh/Ag filters and six exposure settings. The technology automatically selects the best exposure parameters and filters to ensure the lowest dose for each patient’s breast characteristics. In addition, NeuCare Mammo DR includes innovative functionality which detects differences in breast tissue density and automatically adjusts the needed compression force in real time for high image quality while maintaining patient comfort.

Efficient Radiation Safety Management

LANDAUER’s newest program, DAUERAdviser®, offers a variety of support services to help manage radiation safety programs efficiently. RadFacts™, with enhanced dashboards, is the first of many services that is easily accessible through myLDR. Users can retrieve valuable information through charts and data grids to help them quickly focus on key radiation safety issues such as year-to-date performance for ALARA, unused and late dosimeter returns, pregnant workers, total dosimeter usage along with ALARA detail and dosimeter return compliance detail.

Improved Patient Care and Safety

Del Medical introduces the recently FDA-approved DelWorks PatientSide software and user interface. The PatientSide’s feature functionality, when integrated with DelWorks DR, allows the technologist to select the anatomical programmed radiography (APR), adjust generator settings and view images while at the patient’s side, improving patient care and safety. PatientSide will initially be offered as an option to the Digital Floor Mount Tube Stand (DFMTS), with plans to include it as an option with the Overhead Tube Crane (OTC12) suspension system. When not fully integrated with DR, the touchscreen digitally displays SID and X-ray tube angulation on its 8.5” LCD color display.

CR and DR Image Acquisition Software

Carestream debuts image acquisition software that contains optional features for its CR and DR systems. The Bone Suppression software, 510(k) pending, is designed to create a companion image to suppress the appearance of bones and enhance the visualization of soft tissue in the chest. The IHE Dose Reporting software collates and distributes comprehensive dose information from all Carestream DR and CR systems to a healthcare provider’s PACS. This feature is intended to help facilities aggregate dose information from all modalities and helps support tracking dose values for aggregate patient.

Lightweight Cesium DR Detector

Del Medical’s new line of DelWorks E Series Cesium detectors include a state-of-the-art, ultra-lightweight, 14” x 17” wireless detector designed to provide workflow efficiency and outstanding performance. The E Series detector is the lightest cesium panel in its class, at just 6.1 pounds, allowing for quick and easy portability. Up to 50 images can be stored directly on the detector which can later be uploaded to the workstation. The auto-detection feature eliminates the need for generator integration. Gyro technology eliminates the need to configure image orientation and the auto-sleep mode further adds to the panel’s 8-hour battery life.

Diagnostic X-ray Quality Assurance

The NOMEX® comprehensive solution for diagnostic X-ray imaging quality assurance includes two independent high-precision dose measurement systems suitable for standalone or combined use. The small, PC-based NOMEX Multimeter with built-in detectors for simple operation and maintenance and the new handheld, battery-operated NOMEX Dosimeter with touchscreen for use with the NOMEX Multimeter, PTW ionization chambers or semiconductor diodes provides maximum application flexibility. Key features include fully automatic measurements of all parameters in one single exposure, smart auto-functions including autoring for dose, kV and total filtration and statistical analysis with NOMEX software. All X-ray modalities are supported.
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Siemens is looking forward to welcoming you at RSNA 2013. We will proudly present innovations created with your daily challenges in mind. Innovations offering new possibilities for more accurate diagnoses and more targeted therapies that support you to focus on your patients.

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