There seems to be little doubt that enterprise imaging has evolved since the days when it represented a single department in a healthcare organization into a function that plays an interdependent role in a well-connected healthcare system.

One important part of this evolution is the move of imaging to becoming a more integral member of the larger, more complex value-based patient care ecosystem. This has placed a much higher demand on, not just radiology, but every part of the system that interacts with technology to bring greater access to data while driving more effective and efficient decisions.

The changes inherent with this shift are profound: The focus for radiologists was once on reading images and providing patient diagnoses, but it is now on providing a complete support system around a much larger enterprise as hospitals are buying, consolidating and moving to larger groups.

What was once an enterprise picture archiving and communication system (PACS) is now a full-blown enterprise integrated ecosystem.

“In this next generation,” said Todd Johnson, executive director, Radiology Product Development, Change Healthcare, “healthcare providers are looking for a single solution that connects all data sources, that gives them the ability to perform deep analysis of the data. And with that, to gain insights that drive outcomes and create measurable changes to processes and workflows that inspire a better healthcare system.”

Johnson said Change Healthcare is uniquely prepared to assist healthcare organizations in this new era. Earlier this year, the majority of McKesson Technology Solutions and Change Healthcare came together, forming a new health IT company. He pointed out the company brings deep clinical knowledge and industry expertise along with more than 30 years of experience working as an enterprise partner with their customers. Change Healthcare is working to develop new analytics that will help institutions with issues like data management, storage architecture, distribution infrastructure and workflow management across an entire healthcare provider network.

“We’re going to advance solutions that allow our customers to integrate more effectively, at the same time they maximize the efficiency of their expenditures, while helping improve patient care and clinical collaboration,” he said.

Johnson said the paradigm radiologists will use to interact with their colleagues could be compared to an inverted pyramid where the base would be the value in accessing data across a wide variety of players. He said the challenge in the near future will be to create institutional structures that identify ways to better use data for referring patients.
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RSNA’s newly-upgraded online education platform features an enhanced, mobile-friendly user interface and over 600 courses with SA-CME credit, most of which is free for members.

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Intrasense announces an innovative approach of Myrian®, a tailor-made complete Imaging Layer. Enriched by expert clinical applications on critically ill patients. Inclusion in this publication should not be construed as a product endorsement by RSNA. Further experiments and clinical examinations can also be automatically filtered according to user-defined criteria, including study age, modality type, or body part. This new capability enables 3rd party enterprise imaging worklists, viewers and EMRs to better support the needs of their clinical users to access distributed imaging data.

Intrasense designs Myrian®, a software solution dedicated to medical imaging advanced visualization. Myrian allows easy and reliable decision-making and treatment follow-up for all modalities, in 800 sites in more than 40 countries. Intrasense announces an innovative approach of Myrian®, a tailor-made complete Imaging Layer. Enriched by expert clinical applications on follow-up for specific organs and specialties, Myrian Imaging Layer offers a universal solution for medical imaging processing. Thanks to a brand-new open-architecture, Myrian Imaging Layer offers seamless integration capabilities within any healthcare information system (PACS, RIS, etc.), component-based, with a full set of advanced clinical applications, in a unified user experience. Intrasense will also present Myrian Studio evolutions, a solution dedicated to industrial and research teams. Myrian Studio enables efficient prototyping and reliable go-to-market of imaging applications, within a robust and regulatory-compliant platform.

**ANGIOGRAPHY, CARDIAC AND VASCULAR**

**Shenyang MasTech Medical Device Co., Ltd.**

**BOOTH 6037**

**Disposable Contrast Delivery Syringes**

Shenyang MasTech Medical Device’s leading products are disposable contrast delivery syringes for angiography, CT and MRI scanning, as well as its accessories (e.g. extension line, fill tube, spike). We have a variety of syringe kit models that fit in major power injector brands on the market, such as Medrad/Bayer, L-F, Nemoto and Medtron. Shenyang MasTech Medical Device’s portfolio of syringes have been CE-marked since 2004 and already exported to some European and Asian countries.

**BONE DENSITOMETRY**

*Mednova* **BOOTH 4966**

**Mednova: Provider of Digital X-Ray Systems**

Mednova is a leading developer and OEM/ODM service provider of a wide range of digital x-ray systems and key components, including DRs, mammography machines, dental systems, high-voltage generators, x-ray detectors, various DR stands, such as ceiling-mount, dual column, Z-arm, and imaging software solutions. With over 1,500 systems installed, Mednova’s digital x-ray systems are known for their great image quality, superior stability, very efficient workflow with many smart features, and lower costs. Mednova develops all key components and core technologies in-house for achieving superior performance and stability at a lower cost. Mednova can provide great OEM/ODM services with systems and key components to all companies large and small, who want to make great products at lower costs, with a minimum R & D investment and time-to-market.

**COMPUTED TOMOGRAPHY**

*Samsung* **BOOTH 2543**

**OmniTom: Revolutionary Mobile Intraoperative CT**

The OmniTom is a premium point-of-care CT with an advanced data acquisition system and unique omni-directional mobility. The 16-slice head, neck, and pediatric scanner delivers the highest quality CT images with and without contrast. The combination of rapid scan time, ultra-small footprint, and immediate image viewing makes the OmniTom a tool for any department needing real time CT data on critically ill patients.

**CONTRAST AGENTS/PHARMACEUTICALS**

**MEDTRON AG**

**BOOTH 2565**

**MEDTRON Accutron CT-D**

MEDTRON AG is a globally active company in the field of medical engineering. MEDTRON’s innovative and high-quality injector systems complement all modern methods of examination which can be performed with the help of MRI, CT and angiography. MEDTRON offers a wide range of device-specific and high-quality consumables for its injectors. The Accutron CT-D fulfills all standards in terms of precision in diagnostics, patient protection and cost effectiveness. The mains-independent double-head injector for injecting contrast medium and physiological saline during the CT is characterized by great ease of use and the most modern drive technology. Maximal injection pressure: 21 bar.

**DSDT**

**SST Group Inc.**

**BOOTH 4071**

**Cloud-Based Image Distribution Made EZ**

SST Group’s DVM-EZ DICOM Virtual Media makes distribution of patient’s studies as easy as sending an email utilizing cloud-based delivery. Best of all using DVM-EZ cloud-based delivery method does not have a per study fee and no accounts to setup. Users can deliver DICOM studies and reports to anyone while exceeding the security requirements of HIPAA/HITECH. SST Group has been providing innovative medical imaging and storage solutions since 2004. As a partner of leading radiology and medical equipment manufacturers, SST solutions are bundled with DICOM modalities or PACS and used in over 2,500 hospitals worldwide.

**ENTERPRISE IMAGING**

Laurel Bridge Software, a provider of enterprise medical imaging workflow solutions, now offers users of their Compass™ – Routing Workflow Manager the capability to perform one-click searches of a patient’s entire imaging record across any number of disparate clinical imaging archives, PACS and VNAs, plus search multiple modality worklists (MWLs). This enables federated identification of all available imaging studies of a given patient or scheduled procedures for a given modality. Integration with a Patient Identity Cross-Reference (PIX) or Master Patient Index (MPI) is also supported. The results from such federated queries can also be automatically filtered according to user-defined criteria, including, study age, modality type, or body part. This new capability enables 3rd party enterprise imaging worklists, viewers and EMRs to better support the needs of their clinical users to access distributed imaging data.

**FURNITURE**

Steute Meditech, Inc. **BOOTH 8000**

Wireless and Cabled “Medical-Grade” Foot Controls

Steute designs and manufactures their extensive range of “medical-grade” foot controls for medical device OEMs. Unlike industrial-grade foot controls which are modified to meet the functional requirements of a medical application, Steute’s units are expressly designed to address the complete functional, ergonomic and...
aesthetic needs of the medical OEM’s application. Each of these CE-compliant foot controls is designed to meet relevant IEC 60601, the MDD (93/42/EEC), UL and CSA standards. Optional design features include custom housings/colors/icons, powder-coated consoles, rocker/pushbutton/joystick actuators, analog/digital outputs, custom connectors/cables, protective shields, foot rests, optimal weight, and IP X8 ratings. “Off-the-shelf custom” and fully-customized units are available in wireless, cabled, and hybrid design; the latter capable of both wireless and cabled operation. Typical applications include x-ray equipment, laser surgery devices, ultrasonic systems, surgical microscopes, positioning tables, bone saws, high-frequency surgical equipment, dental systems and arthroscopic surgical systems.

**INFORMATION SYSTEMS (RIS & HIS)**
PenRad Technologies
BOOTH 4000
PenRad Client and Server SQL Enterprise Architecture
PenRad offers a total solution for breast imaging and Low Dose Computed Tomography (LDCT) lung screening, enhancing practice workflow. Designed for flexibility and easy integration, PenRad’s client/server SQL enterprise architecture supports all customers ranging from individual imaging facilities to enterprise systems, while maintaining individual statistics, workflow and automation needs for each facility.

**INTERVENTIONAL RADIOLOGY**
Philips Healthcare
BOOTH 6735
Image-Guided Therapy Platform
Philips Azurion is the next generation image-guided therapy platform that allows a unique user experience that helps optimize lab performance and provide superior care. Azurion has been developed over a number of years in close collaboration with clinical partners to ensure workflow solutions that meet the continuing demands of the interventional lab.

Azurion is designed to help practitioners perform procedures more consistently and efficiently. The highly intuitive usability of Azurion supports you in quickly and confidently performing a range of procedures. With this new future proof platform, practitioners can deliver outstanding care and grow the service line over time.

VacuTec Messentechnik GmbH
BOOTH 2401
VacuTec Eye Protection System
VacuTec proudly presents a new device to protect the eye lenses of cardiologists in a new way. The dose limit to the lens of the eyes was reduced drastically by law. By using the VacuTec Eye Protection System the lens dose will be reduced to values clearly below the legal values, even up to zero. The system helps to prevent eye cataracts of doctors who do interventional cardiology procedures. It can also be used in other environments where there is a potential high dose to the eyes.

**MRI**
ETS-Lindgren
BOOTH 3217
Monitoring for Ferrous Threats Protects Patients, Staff and Equipment
ETS-Lindgren’s Dual Pillar FMD System (also available in single pillar) is an always on and automated scanning solution for ferromagnetic detection. Designed to bracket a doorway or hall with pillars on each side, the SAFEECAN Dual Pillar System is equipped with the industry’s highest sensitivity settings and provides the highest degree of ferrous detection for a “walk by” FMDS. The system provides both an audible and/or visual alarm when a ferromagnetic object is present. And because various locations in an MRI facility require different solutions for detection, ETS-Lindgren’s SAFESCAN FMDS product line includes not only pass-through, but also pass-by and manual screening models. Each option allows the flexibility to set up safety protocols and place the necessary tools in the right places.

MR1audio, Inc.
BOOTH 4051
Audio System for MRI

Combining a digital amplifier with a proprietary transducer and headphones, Premium MR1audio system produces...
exceptional sound quality while still retaining ease-of-use. Complete with its own microphone, radiologists can maintain direct communication with patients while they are inside the bore of the MRI. The system also comes with both in-ear and over-ear headphones, so head scans are never an issue. All MRIaudio products come with a 30-day satisfaction guarantee as well as a three-year comprehensive warranty on all system components.

**MACHINE LEARNING/COMPUTER-AIDED DIAGNOSIS SYSTEMS**

Aidoc Medical Ltd.

**BOOTH 8044**

**AI Augmentation of Workflow**

Aidoc has developed cutting-edge deep learning technology, tailored for medical images, to augment the radiologist’s workflow. Aidoc’s solution detects abnormalities in CT studies and highlights the abnormal cases in the worklist. This reduces time to decision by allowing the radiologist to primarily focus on the diagnosis, when it matters most. Aidoc’s solution has been demonstrating healthcare-level performance in multiple leading U.S. hospitals. The solution can be seamlessly integrated into any existing workflow — cases with suspected findings are promptly highlighted, and the analyzed information is seamlessly injected to the PACS. Aidoc’s solution is CE-marked and pending FDA clearance.

LPixel, Inc.

**BOOTH 8550**

**AI and Life Science Image Analysis**

LPixel is a spin-out venture from the University of Tokyo specializing in AI and life science image analysis. LPixel’s AI system analyzes MRI images to detect and quantify lesions found in the brain. The system is trained on data gathered from experienced radiologists, and is designed to support healthcare professionals and minimize cases of misdiagnosis. With emphasis on cerebrovascular disorders and dementia, the following functions are currently under development: detection of patterns similar to unruptured cerebral aneurysms or vascular deformations; detection of patterns similar to cerebral arterial stenosis; quantitative analysis for the diagnosis of normal pressure hydrocephalus (DESH); and detection and quantification of white matter lesions.

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.

**NUCLEAR MEDICINE**

Spectrum Dynamics Medical Inc.

**BOOTH 4757**

**D-SPECT® Cardio Nuclear Cardiac Imaging System**

In the 21st century, most nuclear cameras are still relying on a technology invented in the 1960’s (crystals and vacuum tubes). Spectrum Dynamics Medical introduced the first clinical and...

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**TECHNICAL EXHIBITION HOURS**

South Hall A and North Hall B

Sunday – Wednesday: 10:00 a.m. – 5:00 p.m.
Thursday: 10:00 a.m. – 2:00 p.m.
commercially available Cadmium Zinc Telluride (CZT)-based nuclear cardiac imaging system, D-SPECT®, at RSNA 2005. The next generation system is D-SPECT® Cardio – the only camera system in the world able to image patients up to 1,000 lbs. or more. The features include the flexibility to image supine, upright, and anything in between with an open design with no gantry motion, which eliminates claustrophobia and reduces chance of patient motion. It has a small camera footprint, less than 9”5” x 11” (2.9 m x 3.3 m) with higher detector sensitivity allowing for exceptional image resolution and quality, shorter imaging time, dose reduction, and ability to quantify coronary blood flow.

**PACS**

Sclame Inc.  
**BOOTH 2500**

PICOM365 Enterprise Imaging Platform  
For over 24 years, Sclame has been a pioneer in enterprise imaging solutions. Sclame’s unique single-database PICOM365 enterprise imaging platform delivers end-to-end imaging workflow for radiology, cardiology, women’s health, orthopedics, ophthalmology and any other specialty that produces imaging exams. Scalable from a single physician practice to multi-hospital enterprises, PICOM365 is delivered on-premise, in the Cloud, or as a hybrid – based on user choice. The perfect synchrony created between on-site and Cloud resources allows PICOM365 to provide secure VPN-less image exchange solutions among legacy silo systems, Cloud users, and various EHR systems. PICOM365.com is Sclame’s pure Cloud solution that leverages Microsoft Azure infrastructure to provide a massively scalable highly secure solution for hundreds of health institutions and EHR partners.

**PRE-OWNED EQUIPMENT**

AGITO Medical  
**BOOTH 8300**

Medical Equipment Solutions and Much More  
As a leading refurbished and pre-owned medical equipment, Danish based AGITO Medical provides healthcare solutions to hospitals, clinics and distributors world-wide. Founded in 2004 AGITO Medical has since expanded from its base in Aalborg, Denmark to include facilities in France, The Netherlands, Germany and Spain. We co-operate with numerous clinics, hospitals, laboratories and as well as all the major original equipment manufacturers. As a result of our extensive network, our warehouse is consistently stocked with systems including CT, MR and x-ray. Additionally, we offer a unique range of spare parts within all main categories. AGITO Medical has also developed a unique rental concept, providing clients with a wide selection of customized medical trailers and modular buildings. Our rental fleet is available for both short- and long-term rental.

**SOFTWARE/IT**

Nuance Communications  
**BOOTH 2700**

Nuance Acquires Primordial Design  
Nuance Diagnostics announces its acquisition of Primordial Design and the addition of new leading-edge solutions. PowerScribe 360 Workflow Orchestration delivers an intelligent, flexible enterprise workflow and control center designed to optimize radiologist workflow across systems, sites, specialties and sub-specialties. PowerScribe 360 Lung Cancer Screening delivers a commercially non-exclusive, comprehensive end-to-end lung cancer screening program of its kind – that enables lung cancer program creation and management. Both solutions were born of the Primordial Innovation Lab, the innovative hub dedicated to designing leading-edge solutions – recently acquired by Nuance – that drive productivity and transform diagnostic imaging with value-based healthcare.

With the Primordial team’s collective experience and expertise, the Innovation Lab will continue to serve as a collaborative R & D center to partner closely with clients working side-by-side to collaborate and design tomorrow’s solutions for radiologists.

Royal Solutions Group  
**BOOTH 3375**

Software and Services for Healthcare  
Royal Solutions Group, headquartered in New York, is a leading provider of software and services to the healthcare industry. Royal’s suite of solutions focuses on assisting provider and operational workflows that optimize engagement in all areas of patient care. Solutions include: Royal Clinical™ for enterprise scheduling, clinical and medical records workflows; RoyalPay™ for eligibility, authorization, estimation and payments; RoyalPM™ for enterprise billing and practice management; Royal Kinsks™ for paperless onsite and remote registration, clinical forms, mobile accessible; RoyalMD™ for complete referral toolbox; Royal Patient Portal for complete patient access; Royal Alerts™ for robust messaging and notifications; Royal Analytics™ for robust and customizable dashboard reporting; Royal Forms™ for secure electronic forms; and ReportHUB™ and Report Guard™ for encryption and interoperability.

**ULTRASOUND**

Remote Medical Technologies  
**BOOTH 6502**

iMedHD2™ Teleultrasound: Live, Dynamic, Real-Time Ultrasound  
RMI’s iMedHD2™ Teleultrasound solution is a live, dynamic real-time ultrasound solution that utilizes existing equipment and facility setup. The iMedHD2 Teleultrasound System allows doctors and technicians to collaborate in live, dynamic, real-time by sharing high definition and high resolution images and video securely. Extremely intuitive and user-friendly, iMedHDs requires only the secure compact package and internet connectivity. The teleultrasound technology offers both image and video capture and storage capabilities with accompanying audio. It’s the ideal solution for real-time internet sharing and collaboration of true live high definition images. Being the most mobile of teleultrasound solutions, iMedHD cost effective technology helps save time and improve patient care.

SuperSonic Imagine  
**BOOTH 5133**

Clinical Innovations of SuperSonic Imagine’s Ultrasound System  
SuperSonic Imagine (SSI), a company specializing in ultrasound medical imaging, released the newest version of its premium ultrasound system, Aixplorer® Ultimate. The Aixplorer Ultimate has a new streamlined look and intuitive user interface. It incorporates a new architecture boasting 4.5 times more computing power and the very latest UltraFast™ innovation – Needle PL.U.S. This new feature sits alongside other modalities introduced over the past eight years by SSI: shearWave™ Elastography (SWE™), UltraFast Doppler, Angio PL.U.S. and TriVu.

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Exhibitors Explore Solutions for Today’s Radiology  
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The inversion is all about amplifying the value of the radiologist, broadcasting and enabling that value by offering access to tools and the patient’s history, while creating a collaborative toolset and approach to designing the best outcomes.

“This gives us the opportunity to bring structure where structure has not always existed,” Johnson said. “We certainly understand the traditional workflows. Now we are being asked to invent new ones and find new ways of accomplishing the task of physical action and information management.”

The newly organized Change Healthcare is designed to offer these capabilities. The new company has a clear understanding of both the imaging environment and the technical solutions required to provide effective diagnosis and clinical collaboration.

“Change Healthcare brings the ability to offer a variety of advanced capabilities, driven responses to the changing needs that our radiology and imaging clients are bringing to us,” Johnson said.
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