By Michael Hart
Ronald L. Arenson, M.D., RSNA president, has noted that the Society’s annual meeting is approaching its second century with a new purpose and role to play in the practice of medicine. It will be incumbent on radiology professionals, he said, to constantly work at improving the analysis of medical images in a way that is meaningful to patients.

“One of the key drivers is going to be whether or not we can demonstrate that we have value,” Dr. Arenson said. “Instead of being paid for the number of procedures we perform, we’re going to be paid for the outcomes. Whether we can make a difference, that’s going to be the challenge.”

This week, the RSNA Technical Exhibits are filled with examples of how radiology can meet that challenge in the future, particularly for those who visit the IHE/RSNA Image Share booth during the annual meeting. The booth will feature a series of live interactive demonstrations in which health IT providers collaborate to maximize the impact of their technologies. It will highlight the seamless health information exchange in multi-care settings between different vendors using standards-based communication and document sharing.

Among those participating in the Image Share demonstrations will be McKesson, whose Conserus suite of solutions is among those destined to create a solid foundation as physicians move from volume-based healthcare to value-based healthcare.

“The flexible, vendor-neutral capabilities in Conserus, coupled with strong standards and data interoperability, will help our customers and the industry benefit from their best-of-breed IT strategy,” said Erkan Akyuz, president of McKesson Technology Solutions’ Imaging and Workflow Solutions. “With the shift from volume to value, our customers face higher demands for quality and the need to improve workflow.”

McKesson’s enterprise suite of solutions is based on standards, supports windows networking, storage and computing platforms, and has already been successfully deployed in healthcare organizations.

Among its components:
• The Image Repository is a vendor-neutral archive that collects and manages all image data.
• Its Clinical Data Sharing component provides the ability to securely discover, exchange, access and view images across multiple archiving and communication systems.
• The Imaging Fellow helps clinicians make better decisions faster by integrating, analyzing and filtering patient information from multiple sources and making it available at the point of care.

Visit Barco #2559 to discover the latest breakthroughs in diagnostic imaging.

Discover the new reading room on www.barco.com/uniti

Celebrating 100 Years of Technologic Innovations
McKesson, RSNA Looking Ahead with Technology Solutions for the Next 100

So revealing
Making an accurate breast cancer diagnosis can be a complex process, and time is always of the essence. Now, with the Coronis Uniti™ display system, you can view 3D mammography, 2D mammography, breast MRI and breast ultrasound all on the same screen in perfect grayscale and precisely calibrated color. You’ll see the subtlest details with greater clarity, increasing your ability to make faster, better clinical decisions.

The result: greater peace of mind for you and your patients.

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The collection contains 10 courses on USB featuring 31 speakers covering:
Breast Imaging, Cardiac Imaging, Chest Imaging, Genitourinary Imaging, Musculoskeletal Imaging, Neuro Imaging, Non-interpretive Skills, Pediatric Imaging, Postoperative Gastrointestinal, Ultrasound

RSNA Members: $175
RSNA Non-Members: $250
The CurveBeam pedCAT is the first cone beam CT imaging system dedicated to the foot and ankle, and the only system that can capture a full-weight bearing, bilateral image in one scan. The pedCAT has been heralded as the emerging standard of care, and is poised to revolutionize musculoskeletal imaging of the lower extremities. Scanning a patient in the ultra-low dose pedCAT takes less than one minute and scan protocols are available for pediatric patients as well. CubeVue, the pedCAT’s powerful visualization software, allows for intuitive navigation through the full 3D volume and multiple slice planes. pedCAT scans are DICOM compliant, and images can be easily integrated into existing PACS systems. The pedCAT’s compact design and easy operation makes it ideal for the orthopedic or podiatry setting, as well as hospital systems and imaging centers. The pedCAT can be installed quickly, and plugs into a standard wall outlet.

Hitachi Healthcare

**BOOTH 4111**

**Smart Dose Compliant CT System**

The new Hitachi Supria 16 CT combines the latest dose-saving technologies in a remarkably compact design with enhanced patient access features to comfortably accommodate a wide range of patient sizes, including bariatric patients. Supria 16 can be sited in a scan room as small as 200 square feet. Supria demonstrates Hitachi’s continuing commitment to provide superior product value by combining the latest imaging technologies in a design that, while compact, still affords the premium patient accommodation features of more expensive systems including a 75-cm gantry aperture, standard 1.8-meter scan range table with 500-pound weight capacity. The Supria provides a strong value-based solution for CT providers needing to replace older higher-dose ≤16-slice CT systems with a new lower-dose Smart Dose compliant (XR-29) system.

Medic Vision Imaging Solutions Ltd.

**BOOTH 3703**

**Dose Monitoring and Reporting**

The first and only system that delivers dose monitoring/reporting and low-dose CT image enhancement in one solution will be featured at RSNA 2015. This all-in-one software platform helps facilities meet low dose CT imaging needs while also conforming to CT dose monitoring and reporting standards. SafeCT Dose Reporting, by Medic Vision Imaging Solutions, Ltd., the leading innovator of vendor-independent image enhancement solutions for low-dose CT exams, is a vendor-neutral solution that works with all CT scanners of all vendors and models and complies with the Joint Commission deadline of July 1. The system can be used in conjunction with the Safe CT low-dose CT image enhancement solution, or as a stand-alone dose reporting system.

Kubect Digital X-Ray

**BOOTH 3217**

**3D Tomosynthesis Specimen Imaging System**

An exciting breakthrough in digital radiography, the Mozart® System with Tomospec® technology provides 3D specimen imaging with vision. While traditional 2D specimen radiography lets radiologists see something they need, confirming the removal of all clips in excised breast tissue, the MOZART System with Tomospec Technology brings breast radiologists the whole picture. Have the needed information right from the OR. See excised tumors in 3D for the clearest margin visualization and make the best decisions for patients without waiting. See the other advanced digital x-ray technologies from Kubect, including innovative cabinet systems and the KUB 2500, the only low-dose, portable digital X-ray system designed for the NICU.

Mirada Medical

**BOOTH 6520**

**Integrated Molecular Imaging Package**

Mirada’s integrated package means you no longer need to compromise between functionality, efficiency and access. Flexible display protocols and vendor neutral workflow allow quick and easy reading of images, while quantitative results for assessing disease progression and therapy response can be saved for editing and review. Mirada is the leading third-party software vendor for fusing PET/CT and multiple MR sequences, and reading hybrid PET/MR. A comprehensive set of patented solutions allows every sequence and study to be easily analyzed, using robust deformable registration. Mirada deployment options include PACS integration, standalone workstations, floating licenses and thin client solutions. Mirada XDMT is used in leading institutions worldwide and works to define the best solutions for departments.

DEPARTMENTAL MANAGEMENT

RedRick Technologies Inc.

**BOOTH 7701**

**Image Reading Environment Optimization**

RedRick Technologies, a provider of ergonomic radiology furniture, monitor mount solutions and reading room design guidance, recently released the first planning guide focused on medical imaging reading environment optimization. This project was a collaboration with CannonDesign, an integrated global design firm. This planning guide provides practical, educational guidance for architects, designers, facilities planners and clinical department leaders involved in the design and renovation of medical imaging reading room environments, by summarizing the best practices that meet the unique needs of medical imaging departments. It defines the many factors that contribute toward good reading room design and siting, including how they enhance the practice of radiology. Emphasized are how to employ good ergonomic principles to eliminate the repetitive motion injuries that often impact physician health and well-being, and the consideration of proper reading room location to enhance communication between radiologists and the clinicians they service.

Interelated Medical Systems

**BOOTH 3393**

**Cross-Enterprise Imaging Solution**

InteleOne XE provides an alternative to replacing critical and costly systems by seamlessly linking clinicians to data stored in existing HIS, RIS, EMR, PACS, and VNA systems. This enables the enterprise to gain the benefits of a cross-enterprise system without having to endure a PACS replacement or deploy a VNA. In addition to unifying multiple sites while maximizing use of existing infrastructure and avoiding data migrations at the same time, the solution helps balance workloads across the enterprise, improves subspecialist utilization, and enhances collaboration by connecting clinicians across multiple sites and health providers. InteleOne XE also increases efficiency, eliminates duplicate imaging and improves clinical outcomes by automatically retrieving all patient data located across the imaging ecosystem. Finally, the solution provides a great deal of flexibility by allowing them to easily add or remove systems from the imaging ecosystem. This is particularly valuable during a merger or acquisition as sites can be easily added or removed from the enterprise.

German Fraunhofer Society

**BOOTH 4785F**

**Application-Oriented Research**

The German Fraunhofer Society is the largest organization for application-oriented research in Europe. Non-profit Fraunhofer Institutes help to reinforce the competitive strength of the economy by developing technological innovations and novel systems solutions. In close cooperation with clinical experts, Fraunhofer develops solutions for early detection, diagnosis, therapy planning, interventional guidance and follow-up. It offers a wide range of services, from consultancy, feasibility analysis, contract research, prototyping to quality-assured product delivery. The Fraunhofer Institutes for Applied Information Technology FIT, Production Systems and Design Technology IPK, Manufacturing Engineering and Automation IPA, Medical Image Computing MEVIS and Computer Graphics Research IGD can be found at RSNA 2015.

IMAGE Information Systems

**Europe, GmbH**

**BOOTH 4785E**

**DICOM-Calibrated Medical Image Tablet**

IMAGE Information Systems, a global leader in medical technology, is debuting MED-TAB™ -- the first DICOM-compliant radiology tablet for portable medical image analysis. MED-TAB is uniquely created for continuous high-quality, incredibly precise image access from any location. Users get a game-changing measurement pen, USB grayscale adjustment tool, custom anti-glare screen and DICOM calibration. MED-TAB oper-
MedCurrent Corporation

**Radiology Clinical Decision Support**

In addition to its well-known MedCurrent CDS radiology clinical decision support (CDS) system, this year at RSNA MedCurrent is debuting MedCurrent CDS Impact, an ideal tool for financial and operational strategic planning before the Jan. 1, 2017, CMS mandate. The tool allows organizations to analyze the ordering impact of radiology decision support. In addition, MedCurrent CDS continues to be one of the most-sought, operationally astute CDS systems – the only CDS that provides workflow efficiency system-wide, and has a CDS rule engine that works with multiple clinical Appropriateness Use Criteria (AUC), including the American College of Radiology’s AUC for CMS compliance. Rule authoring tools support organizations that choose to become physician-led entities, and robust analytics allow clinical leaders to focus behavioral change only where it’s needed. A cloud-based system integrated into electronic medical records for easy physician adoption, MedCurrent CDS empowers organizations to improve patient care, meet regulatory CDS requirements, reduce inappropriate utilization, and mitigate costs.

**eRAD**

**BOOTH 7328**

**State-of-the-Art PACS Infrastructure**

eRAD is demonstrating its latest eRAD PACS offering. A state-of-the-art solution for radiology imaging workflow, the new eRAD PACS infrastructure incorporates a cloud computing architecture, enhanced data security, updated Web technology and mobile device access. With a modernized user interface, including desktop touch-screen support, eRAD PACS provides a common, user-friendly, device-independent experience. Flexibility is enhanced with a customizable user dashboard, multi-language support, and additional hanging protocols and annotation/measuring tools.

**Royal Solutions Group**

**BOOTH 3075**

**Fully Integrated Payment Solution**

Royal Solutions Group released its payments software this year, RoyalPay™ powered by Chase Paymentech, allowing providers real time eligibility checks and patient balance estimation. Healthcare providers are accepting payments directly at the point of service, and patients can know how much a visit will cost before stepping foot in the waiting room. Patients can pay for their exam at the time of their visit, greatly reducing the time spent by office staff on manual eligibility validation and payment invoicing after the exam. Clients can easily track payments, send automated receipts, or engage patients with payment reminder notifications. Royal’s customers are benefiting from RoyalPay’s ease of integration, quick activation, and innovative approach to eligibility and estimates. And, perhaps most importantly, they are realizing cost efficiencies on traditional credit card transaction fees and implementation costs by choosing a fully integrated payment solution.

**Cerner Corporation**

**BOOTH 4745**

**Comprehensive Customizable Viewer Framework**

Cerner SkyVue image viewer framework enables organizations to utilize one viewer across the continuum of care, regardless of role or venue. Whether in the radiology department or throughout the enterprise, Cerner SkyVue gives your organization the same view of a patient’s images and EHR information, enabling clinicians to better communicate, diagnose and treat patients. Cerner SkyVue’s image viewing framework provides increased user flexibility and seamlessly embeds third-party subspecialty partners that can enhance the clinical relevance of the viewing experience.
ScImage, Inc. has launched an advanced image sharing service through its public-facing Cloud PACS to provide image sharing for patients, urgent care and acute care, patient transfers and outreach specialty reading like tele-stroke services. Where CDs and DVDs were an economical, portable alternative to film, they now represent a great PHI risk based on that same portability and proliferation. Many CDs can be found in glove boxes, car trunks, desk drawers and book shelves. They’re anywhere and everywhere. They’re often challenging and frustrating to read from. With PICOM WebLink®, an authorized user can simply share an exam with a patient, physician or entity, all encrypted and audited for security. Through the user’s Web browser, a physician can share an exam with their patient or a primary care physician, or a hospital can import the exam into their existing PACS for historical review.

EDDA Technology, Inc.
Booth 8127
3D Image-Guided Interventional Procedure Solutions
As part of the award-winning IQQA® platform, IQQA-BodyImaging IR is the next generation precision 3D solution for imaging guided interventional procedures and follow-up. IQQA-BodyImaging IR provides a real-time, fully quantitative workflow solution to assist physicians in targeting, monitoring and assessing treatment procedures in the liver, lung, kidney and more. The IQQA toolset offers comprehensive evaluation of CT and MR body imaging scans, including automated segmentation and alignment of image volumes, 3D virtual needle trajectory (entry point, target) and multi-needle placement, lesion margin analysis, target ablation zone, treatment zone coverage against tumor margins, and vascular/duc-tal anatomy and territories. IQQA brings versatile, patient-specific solutions to the interventional suite to support ablation (microwave, radiofrequency, cryo), portal vein embolization, TACE, microsphere radioembolization, TIPS, and more. IQQA has been used in over 20,000 cases worldwide for interventional, transplant and resection applications with substantial time-saving and enhanced care.

Unfors RaySafe
Booth 1711
Real-Time Dose Monitoring for Staff Safety
The first and only system that delivers real-time dose monitoring for physicians and clinicians will be featured at RSNA 2015. The RaySafe i2 is an active dosimetry system that enables effective behavior change by showing physicians and staff their real-time dose during live procedures. Interventional radiologists, interventional cardiologists and electrophysiologists and their teams can all see their personal radiation exposure and adjust position or make other live changes to lower their exposure to ionizing radiation. Just like a stop light, a visual display shows colored indications (red, yellow, green) to give each individual user insight about the current dose exposure and the possibility to act accordingly. The accumulated dose per individual user is also captured and can be accessed on the touch screen display. Interventional radiology and cardiology departments, along with hospital administration can better manage staff dose and help keep staff safe.

MAGNETIC RESONANCE
Alltech Medical Systems America
Booth 7938
Efficient, Cost-Effective Wide-Bore MRI System
Alltech Medical Systems America is proud to announce the availability of its new Echostar Comfort 1.5T Wide Bore MRI System. With a full 71 cm bore and a 550-pound (250 kg) patient-handling system, the Echostar Comfort is designed to scan every patient that comes into a facility quickly and comfortably while producing superb image quality. Alltech Medical Systems America is based in Solon, Ohio where it draws upon the rich MR developmental heritage found in Northeast Ohio. It is also part of a worldwide organization whose installed base of high field MRI systems will exceed 200 in 2015.

Kopp Development Inc.
Booth 3114
Ferromagnetic Detectors for MR Imaging Safety
Kopp Development Inc., the leading manufacturer of ferromagnetic detectors for MR imaging safety, is introducing an enhanced...
package for the entryway systems Fer-
Alert™ HALO II PLUS and Ferromagnetic
Incident Manager, F.I.M. The PLUS
system dramatically reduces alarm fatigue
by not alarming on the MRI door and fer-
romagnetic objects exiting the MRI room.
The F.I.M. device was designed to help
facilitate compliance with the new standards
set by The Joint Commission and to assist
with Root Cause Analysis. FerAlert detec-
tors are recognized to be the most accurate
ferromagnetic detectors for MRI, due to their
unique, patented technology to detect and
precisely locate the offending ferrous objects.

CoReTechs Labs
BOOTH 1861
Brain Atrophy Detection and Quantification MR Imaging Device

Quantifiable, brain volume data is critical in the evaluation of dementia and other
brain disorders. Fully automated, accurate and proven, NeuroQuant® brings quanti-
fied measurements of neurodegeneration straight to the physician’s desktop or
mobile device. Using a high-resolution MR image, NeuroQuant automatically segments brain structures, measures their volumes, and compares the volumes to norms based
on age, gender and cranial volume. As the first FDA (510(k)-cleared and CE-marked medical device software commercially available, NeuroQuant is a non-invasive and inexpensive tool that provides radiolo-
gists, neurologists and clinical researchers an objective measurement to quantify
neurodegeneration within minutes. With an age range of 3 to 100, NeuroQuant helps
physicians in the evaluation of brain anat-
omy changes from Alzheimer’s, epilepsy,
multiple sclerosis, traumatic brain injury and the assessment of the developing brain.

RADIOGRAPHY

3DISC Imaging
BOOTH 3960
Compact, Lightweight Flash Medical Readers

3DISC Imaging’s FireCR Flash Medical Readers offer the highest
signal collection efficiency—pro-
viding crystal-clear image quality. The compact and lightweight
FireCR Flash can be wall-mounted with a footprint of just over 5
inches—ideal for space-challenged practices. It’s fast—up to 70 full-size plates/hour.
The FireCR Flash accommodates a range of market standard cassette sizes to meet every
imaging need. The FireCR Flash product line offers a highly productive workflow
with a variety of imaging speeds, providing solutions to meet any requirements and
budget. When needs change and imaging volume increases, the readers can affordably
and easily be upgraded for higher through-
put directly in your office. The FireCR Flash features the QuantorMed® Imaging Software—3DISC Imaging’s next generation workstatio
software with an easy-to-use interface for intuitive and fast operation. Unlimited software upgrades are offered to
ensure further technical improvement.

Blackford Analysis
BOOTH 7801
Image-Comparison Software for Philips PACS Users

Designed for users of Philips PACS, includ-
ing Philips IntelliSpace 4.4 PACS, the
Blackford Smart Localizer facilitates radi-
ologic comparison of imaging findings across
MRI, CT and PET/CT studies by automating
volume registration of current and prior imaging studies before the radiologist reads.
The software is designed to overcome the
differences that typically exist between comparison studies performed on different
modalities and by different vendors. The
Blackford Smart Localizer can increase radiologist productivity by 10 to 20 percent
per study, when reading comparison studies. For particularly challenging exams, like
lung nodule comparisons, the productivity increase may reach 50 percent. This leads
to improved clinical confidence, customer service and reading capacity, ultimately
resulting in both improved quality of care and incremental revenue.

UCAN Imaging
BOOTH 2400
Convenient, Stationary X-Ray System

UCAN Imaging’s all-inclusive, mobile, X-ray system is a firm component in the drive
to improved clinical confidence, customer service and reading capacity, ultimately
resulting in both improved quality of care and incremental revenue.

Vascular procedures and peripheral artery
disease studies. The new design offers enhanced image-guided fluoroscopic fea-
tures including a proprietary smooth glide
free-tabletop with 35-inch head-
to-toe travel as well as a large, 80-inch
radiolucent area. A new ergonomic, mud-
room-top joystick controls the free-tabletop
motion. High speed actuators assure quick
tabletop positioning: height adjustability, iso-centric lateral roll and Trendelenburg
motions. Iso-centric roll maintains image center during tabletop movement,
minimizing image distortion. In addi-
tion, Biodesx offers a range of devices for
personal radiation protection. The new Clear-Head® Personal Barrier is an
adjustable height, lightweight barrier with convenient hour-glass design for hands-
on access. The Mobile X-Ray barriers require little effort to maneuver and have
a sleek, easy to clean design. These bar-
riers are designed for imaging procedures
involving radiation, offering durable shatter-resistant protection wherever it’s needed.

Cephalonics
BOOTH 6024
HCC Ultrasound Research Platform

The eQuest Griffin™ ultrasound
platform, offering configurations from
512 channels up to 4096 channels. This
HCC family enables unprecedented ultrasound innovation, allowing research-
ers and developers to conduct cutting-
edge research with large-element-count
transducers, realize ingenious ideas, and
carry them forward into OEM production.
The industry’s first ultrasound Software Development Kit (CUSDK™) enables
easeless integration of users’ applications
cross the entire eQuest Griffin product
family. Users write their application code directly in various programming lan-
guages. CUSDK offers core and advanced interfaces that allow users to program
eQuest hardware platforms with high-
level constructs and/or powerful low-level primitives with the ability to capture
and record RF channel data to fully
beamformed, post-processed, and scan-
converted image data. Users can write
custom algorithms that can be inserted at
different points in the processing chain.

ULTRASONOGRAPHY

Biodex Medical Systems, Inc.
BOOTH 7089
Surgical C-Arm Table

Biodex Medical Systems, Inc. is proud to announce the introduction of its new Sur-
gical C-Arm Table 840, ideal for cardio-

Celebrating 100 Years of Technologic Innovations

CONTINUED FROM PAGE 18

environments in order to consolidate interpretation and quality tasks.

• And the Enterprise Viewer enables access to departmental data securely across the enterprise.

“it’s all about delivering the correct image at the right time,” Akyuz said. “We need to move away from the days where every study
is flagged as a stat, and invest in rules-based logic to prioritize and assign studies.”

McKesson’s Consensus suite of prod-
ucts is a firm component in the drive
toward value-based healthcare in which
infrastructure is shared, no time is lost
because of system upgrades, and patient
care is the primary priority.

For more information on the RSNA Tech-
nical Exhibits, see the RSNA 2015 Meet-
ing App. RSNA.org/ExhibitingCompanies and the Technical Exhibits Guide.
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- Career-enhancing research courses
- Eligibility for R&E Foundation grants

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Visit the Membership booth, Lakeside Center

1-877-RSNA-MEM (776-2636)  
1-630-571-7873 (outside the U.S. or Canada)
Keep radiology vital. Join the Campaign for Funding Radiology’s Future®. We are raising $17.5 million to ensure the future of radiology. Your investment will inspire promising researchers and drive innovation.

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