RSNA 2019 SEE POSSIBILITIES — TOGETHER

Technical Exhibits Focus

RSNA Exhibitors Create Possibilities

By Michael Hart

Leveraging Data to Deliver Big Changes

Today's health care providers understand that becoming data-driven is an imperative to continued success. By leveraging data correctly, providers can help improve clinical outcomes while reducing cost and complexity.

Data scientists are looking at both the challenges created and opportunities offered by data analytics. Scott Burk, PhD, is a data scientist and advanced analytics architect for TIBCO Software. Stephen Harrold is an enterprise imaging senior solutions manager with Change Healthcare.

Question: Can you name the most significant challenge in health care today?

Scott Burk (SB): Obviously, you can't run your day-to-day business without your existing applications. But is it sufficient? No, you have to innovate everywhere; you have to be future forward. With things changing fast and with all these forces and the moves, shifts and consolidations on the landscape, analytics is just going to be vital to existence. It is exponential. It has been rising and increases every year.

Q: How does an enterprise analytical solution help extract new value and insights from existing applications?

Stephen Harrold (SH): Many providers struggle with analytics tools that only have access to a very narrow scope of the care cycle. In the world of large integrated delivery networks (IDNs) and health care transformation, we need to leverage data as an asset. This requires analytics solutions that can span across the enterprise and across various sources of data. This can't be limited to PACS or even radiology data, but should also include financial data, workflow data, decision support and outcomes data.

SB: Analytics is there for everything from strategic planning to expansion and operational cost reduction, all the way through supporting the positions in what we call "augmented intelligence." This approach focuses on how computers, machine learning and analytics can supplement what a provider or a physician has been doing for decades.

Q: What do you see regarding the future of data analytics?

SB: Data virtualization started a few years ago and we're seeing it really grow. When you think of all the disparate sources of data — including data warehouses, big data, cloud data, social media, weather data, you name it — data virtualization is allowing the developers to move all data to this logic layer, which will ultimately benefit the analytics consumers.

SH: We see broader adoption of analytics to assist in management of the business and operational aspects of health care, but we know that data can be leveraged to improve the day to day of the providers by improving their workflow and improve the care coordination teams.

Q: How will cloud-based solutions impact analytics?

SB: Data is a key asset, but it's difficult and expensive to realize the full benefits with on-premise solutions. Health care provider CIOs increasingly tell us they want to get out of the IT infrastructure business. We enable that.

SH: The questions are being posed: how can cloud technology improve our balance sheet, help breakdown the IT complexities, and ultimately improve patient care? We have seen increased focus on Enterprise Imaging strategy — we know that each IDN is unique in their journey and cloud-based technology is a heart of the discussion.

Q: How can analytics be leveraged to assist with value-based transformation?

SB: Wow, you name it. It is about doing more with less. That is what analytics does. It is about efficiently and effectively using all your resources. Value-based care is that — how can we evolve into more effectively using our resources.

SH: Analytics is crucial to value-based transformation. By bringing together workflow, imaging, electronic health records, cost and decision data, we can identify opportunities to serve populations better. For example, we can measure the impact that point-of-care programs have on improving costs and outcomes or analyze where to best place your next outpatient facility.

Technical Exhibits At-A-Glance

Technical Exhibits Hours
10 a.m. – 5 p.m.

South Hall A (Booths 1000-5999)
North Hall B (Booths 6000-8599)
AI Showcase, North Building – Level 2
(Booths 10000-11999)

RSNA AI Theater Presentations
North Hall Level 2, Booth 10724
10:30 a.m. – 5 p.m.

Future of Radiology Artist Experience
North Hall Level 2, Booth 10745
10 a.m. – 2 p.m.

AI Hands-on Workshops
North Hall Level 2, Booth 11536
1 – 2:30 p.m.

3D Printing and Advanced Visualization Theater Presentations
North Hall Level 3, Booth 6563
11 a.m. – 3 p.m.

Innovation Theater Presentations
South Hall Level 3, Booth 4700
10:30 a.m. – 4 p.m.

Vendor Workshops and Corporate Symposiums
See Meeting Program for schedules and RSVP requirements

Dining:

Bistro RSNA
Bistro RSNA
South Hall A and North Hall B
Buffet lunch served 11 a.m. – 2:30 p.m.

Café RSNA
Café RSNA
South Hall A
Casual dining 11 a.m. – 2:30 p.m.

AI Café
AI Showcase, North Building – Level 2
Food carts offering sandwiches, tacos and smoothies

Welcome to RSNA 2019

RSNA is the world's largest medical imaging event where attendees come to meet the leaders shaping tomorrow, see the latest technology breakthroughs and experience the newest advances all in one place. With over 450,000 square feet of exhibition space and more than 700 leading medical technology manufacturers, suppliers and developers, there's more innovation and excitement in our Technical Exhibits Halls than ever before.

Monday Presentations on the Industry's Latest Innovations, Research and Discoveries

RSNA AI Theater

North Hall Level 2, Booth 10724

10:30 – 10:50 a.m.

SwiftMR: MRI Acceleration using Deep Learning Reconstruction:
Presented by AIRS MEDICAL

11:00 – 11:20 a.m.

Empowering Data Science with Imaging:
Presented by OneMedNet Corporation

11:30 – 11:50 a.m.

Comparing Your Case to Massive Databases as a Key to Precision Medicine:
Presented by contextflow

12:00 – 12:20 p.m.

AI Integrated in Daily Workflow with QUIBIM Precision: Visualize, Annotate, Quantify, Report and Discover:
Presented by QUIBIM

12:30 – 12:50 p.m.

Will an Algorithm Work in your Environment? The Role of Analytics in Spotting "Hits and Misses":
Presented by Nuance Communications

1:00 – 1:20 p.m.

In the Quest to Democratize AI, Partner Ecosystems Matter:
Presented by GE Healthcare

1:30 – 1:50 p.m.

It's Real, It Works and It's Now! Take AI Out of the Lab and into Clinical Practice:
Presented by Infervision

2:00 – 2:20 p.m.

Next-Generation Radiology AI: The Journey from an AI Algorithm to a Partner:
Presented by Aidoc

2:30 – 2:50 p.m.

Practical Experience with Production Deployment of AI:
Presented by Zebra Medical Vision and Intermountain Healthcare

3:30 – 5:00 p.m.

RSNA Intracranial Hemorrhage Detection AI Challenge Winner Recognition Event

AI Hands-on Workshops

AI Showcase
North Hall Level 2, Booth 11536
Attendees should bring their own laptops. Reference the Meeting Program for any further requirements or to learn if equipment is being provided.

1:00 – 2:30 p.m.

Getting Value from AI in your Clinical Workflow:
Presented by ARTERYS

3D Printing & Advanced Visualization Theater

North Hall Level 3, Booth 6563

11:00 – 11:20 a.m.

From Images to 3D Printed Instruments, Solutions for the Point of Care 3DP Lab:
Presented by 3D Systems

11:30 – 11:50 a.m.

Overcoming Funding Challenges to Scale 3DP at the Point-of-Care. Lessons from an Innovation Lab:
Presented by Formlabs

12:00 – 12:20 p.m.

New Patient-tailored Radiology based on a Synergy of Artificial Intelligence and 3D Printing:
Presented by Medical IP

12:30 – 12:50 p.m.

Innovation through Collaboration: The Future of 3D Printing at the Point of Care:
Presented by Materialise

1:00 – 1:20 p.m.

The Value of Color 3D Printing at Point of Care: Presented by HP Inc.

1:30 – 1:50 p.m.

Setting up a Lab and Enhancing Patient Care with Low-cost 3D Printing:
Presented by Ultimaker

RSNA 3D Printing Special Interest Group Presentations

2:00 p.m.

Surface Scanning and 3D Printing:
April Krivoniak, MS

2:15 p.m.

Applying AI for Segmentation:
Leonid Chepelev, MD

2:30 p.m.

Low Cost 3D Printing: Anish Ghodadra, MD and April Krivoniak, MS

2:45 p.m.

Use of Z Brush in the Medical Modeling Workflow: Juan Garcia, MA

Innovation Theater

South Hall Level 3, Booth 4700

10:30 – 10:50 a.m.

New MEDRAD® Stellant FLEX Injection System: Initial Users Share Experiences:
Presented by Bayer

11:00 – 11:20 a.m.

See How Watson Health is Using AI:
Presented by IBM Watson Health

11:30 – 11:50 a.m.

Machine Learning in an Enterprise Imaging Environment:
Presented by Hyland Healthcare

2:00 – 2:20 p.m.

Presentation by 12 Sigma

2:30 – 2:50 p.m.

From Insights to Action: Leveraging AI End-to-End in Radiology:
Presented by Philips

3:00 – 3:20 p.m.

eXACTly On Target, Every Time:
Presented by XACT Robotics

3:30 – 3:50 p.m.

Evidence-based AI in Radiology - Ensuring Value-based Application and Improving Outcomes:
Presented by AGFA HealthCare

Corporate Symposiums

Please refer to the Meeting Program for further information or for any RSVP requirements.

8:30 – 9:30 a.m.

Density "Inform" and Insurance Legislation Update:
Presented by Bayer (Room S105D)

8:30 – 9:30 a.m.

High Resolution Breast Imaging: Implementation and Work-flow Optimization:
Presented by World Class CME, educational grant provided by Hologic, Inc. (Room S102AB)

9:00 – 10:30 a.m.

Hot Topics in Contrast-Enhanced MRI:
Presented by Northwest Imaging Forums, educational grant provided by Bracco Diagnostics, Inc. (Room S101AB)

2:00 – 3:00 p.m.

Advances in MR & CT Imaging: Emphasis on Artificial Intelligence:
Presented by the Institute for Advanced Medical Education (IAME), educational grant provided by Canon Medical Systems USA, Inc. (Room S101AB)

2:00 – 3:30 p.m.

Enhancing Patient Care in CTEPH through Imaging Innovation:
Presented by Bayer and Siemens Healthineers (Room S105D)

Vendor Workshops

Please refer to the Meeting Program for further information or for any RSVP requirements.

FUJIFILM Medical Systems U.S.A., Inc.
South Hall Booth 5147

GE Healthcare
South Hall, Booths 5135, 5140

Hologic, Inc.
South Hall, Booth 5119

Siemens Healthineers
North Hall, Booth 8563

Experience the Breakthrough Technologies and Products Transforming Health Care

AI Showcase
See the Driving Force Behind Ai
Sponsored by

zebra MEDICAL.VISION

North Building – Level 2

Attendees looking for the latest in AI solutions should plan to visit the newly expanded RSNA AI Showcase. Located in the North Building, Level 2, the AI Showcase features over 130 companies offering attendees the opportunity to experience AI software and product demonstrations, connect with industry leaders and see the possibilities of AI firsthand. Engage with exhibitors, participate in AI education, hands-on learning, and special engagement areas in this one-stop destination. Or, relax in the comfortable networking lounges.

RSNA AI Theater
Booth 10724
See AI in action with daily industry presentations on all the latest topics in AI, machine learning and deep learning in the RSNA AI Theater. Obtain the knowledge, training and networking opportunities you need to understand the role of AI in medical imaging. RSNA will also hold a series of presentations to highlight its work in AI and ways that members can work with RSNA on AI initiatives.

Stop by the RSNA AI Theater any time to discover our resources and educational opportunities, including the AI Challenge, AI webinar series, Spotlight Courses, AI Community and *Radiology: Artificial Intelligence*. Staff will also be available to answer questions on our RSNA tools that are enabling the practice of the future — RadReport, RadLex, IHE, Image Share and RadElement.

AI Hands-On Workshops
Booth 11536
New this year, industry sponsored AI Hands-on Workshops offer visitors an opportunity to engage with AI exhibitors and interact with their systems in a classroom environment. In 90-minute sessions, exhibitors will offer user training and product instruction. Attendees are encouraged to bring a laptop with keyboard to the workshops and reference the online program for any specific requirements.

RSNA AI Deep Learning Lab
Booth 10342
Now integrated into the AI Showcase, the RSNA AI Deep Learning (DL) Lab features four unique sessions developed by RSNA members focusing on using open-source tools for completing DL tasks. Sessions include an introductory course focusing on the basic concepts of convolution neural networks (CNNs), a data science session designed to do a deeper dive into data preparation and analyses, a session focused on the use of DL methods for image segmentation, and a session describing a recent advance of DL known as Generative Adversarial Networks. Attendees are invited to bring their own devices to begin completing actual tasks in DL. Sessions are repeated Sunday through Thursday.

3D Printing & AV Showcase & Theater
North Hall B, starting at Booth 6563
The newly expanded 3D Printing & AV Showcase and Theater has relocated to North Hall, Level 3, this year to support the widespread interest in 3D printing and mixed reality. This showcase and open-air theater features over 20 exhibitors and offers attendees the opportunity to interact with the latest technological breakthroughs and see different presentations from industry leaders on cutting-edge equipment and solutions. Sunday through Wednesday from 2- 3 pm, the RSNA 3D Printing Special Interest Group (SIG) presents on the latest research and innovations in 3D printing for medical applications. Visit the showcase to explore the companies and products leading the way in 3D printing, 3D software and augmented and virtual reality.

NEW Radiation Safety Zone
North Hall B, starting at Booth 8300
The Radiation Safety Zone is dedicated to the latest advances in radiation safety. Visit this one-stop destination to see safety-related products and services, including shielding, dose management and wearables. Engage directly with companies that can help you create a culture of radiation safety.

NEW Innovation Theater
South Hall A, Booth 4700
Enjoy a front row seat for the industry's latest product launches. The Innovation Theater features 20-minute presentations by exhibitors sharing their innovative products and advances in medical imaging.

Presentations are scheduled from 10:30 a.m. to 12 p.m. and 2 to 4 p.m., Sunday through Wednesday.

Startup Showcase
South Hall A, starting at Booth 2468
RSNA has partnered with MATTER to help discover the startups with the most innovative solutions in medical imaging. See how these companies are helping advance the rapidly changing world of radiology as they demonstrate emerging and inventive ways to improve your practice and enhance patient care. This dedicated area features 20 exhibitors and the latest breakthroughs in this exciting showcase.

NEW RSNA Startup Showcase Spotlight
South Building, Level 1, Room S101AB Wednesday, Dec. 4, 1 – 2:30 p.m.
Listen as companies from RSNA's Startup Showcase tell their stories and give insights into some of the world's most promising technologies.

First-Time Exhibitor Pavilion

1ST TIME EXHIBITOR

South Hall A, starting at Booth 1050
RSNA 2019 is the premier marketplace for the latest products and services in medical imaging. Keep up with the newest exhibitors at the annual meeting and see the latest in radiology from these innovative companies. The First-Time Exhibitor logo identifies other first-time exhibitors throughout the exhibit halls.

IR Zone
South Hall A, starting at Booth 3352
Interventional radiology is at the forefront of innovative medical care. Connect with companies focused on the latest product advancements in image-guided radiology. This dedicated area will make it easier for interventional radiologists to interact with companies offering products specific to their subspecialty.

Recruiters Row
South Hall A, starting at Booth 1029
RSNA 2019 is a great place to expand your job search. Prospective employers will be on hand in Recruiters Row to meet with candidates during the annual meeting. Use the lounge in this area for interviews or one-on-one meetings. Log on to RSNA's Career Connect to search for employers who will be on site and recruiting. Learn more at *RSNA.org/Careers*.

Publishers Row
South Hall A, starting at Booth 1000
Shop for educational publications and professional services from virtually every aspect of medical imaging. Also explore the work of top medical publishers offering the newest radiology education hot off the presses. Stop by the RSNA Publications booth to learn more about RSNA journal-related products and services, and meet the editors behind our world-class journals during Editor Meet and Greets.

You can also find a list of daily presentations, the exhibitor directory and floor plan online at *Meeting.RSNA.org* and on the 2019 Meeting App.

Technical Exhibits Hours
Sunday–Wednesday . . . . . 10:00 a.m.–5:00 p.m.
Thursday . . . . 10:00 a.m.–2:00 p.m.
South Hall A (Booths 1000–5999)
North Hall B (Booths 6000–8599)
AI Showcase, North Building—Level 2 (Booths 10000–11999)

Care Mentor AI
BOOTH 10840

Promising AI Solutions for X-ray Diagnostics

Care Mentor AI is an artificial intelligence system developer that created a cloud-based system for analyzing and interpreting the results of radiology diagnostics. It provides a screening model for the analysis and description of frontal chest X-ray, foot X-ray and mammography images. This system can be used to optimize the workflow of radiologists, including the early diagnosis of various pathological conditions, therefore increasing speed and reducing the medical error rate. It also functions as a decision support system, for the internal quality control of doctors, and for teaching/testing students' knowledge in universities.

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.

Codonics Inc
BOOTH 2908

Innovative and Economical Healthcare Solutions

Codonics is a global, award-winning leader for medical imaging and patient safety devices made in the United States. Their comprehensive, economical solutions deliver in today's fast-paced healthcare environment. Output on diagnostic film, stunning color and grayscale paper, and CD/DVD media help document cases and provide referring physicians with tools for effective patient consultations. Their DR retrofit solutions enable X-ray rooms or computed radiography to be quickly and easily converted to state-of-the-art DR, enabling you to go digital today and include a Codonics imager or disc publisher for an attractively priced bundled solution. With more than 50,000 product installations, Codonics is represented in over 110 countries and offers a unique swap service program that enables their local experts to be part of what makes them a trusted brand. Visit to see what's new and what's coming and let Codonics help you grow your business with a lower total cost of ownership.

Bold Brain Ventures
BOOTH 10842

Radiologists Developing and Investing In AI

Bold Brain Ventures is an investment fund that brings together radiologists, innovators and capital in a collaborative approach to artificial intelligence in radiology. Startups want and need radiologist involvement as they develop AI solutions, and engaging radiologists in this process is essential. Radiologists and other accredited investors can invest in a diversified portfolio of radiology AI companies through Bold Brain Ventures, as well as provide their insight to help shape the future of healthcare. Preexisting groups, such as radiology practices, may also invest as one entity into the fund. Additionally, as a Venture Partner with the Google Cloud for Startups Program, Bold Brain Ventures is working directly with Google to provide affiliated startups with a multitude of technical tools and benefits as they develop machine learning solutions in healthcare. Radiologists, AI startups, and investors are encouraged to get involved in the radiology AI sector with Bold Brain Ventures.

Radiobotics
BOOTH 10321

Automated Analysis and Description of X-ray Images

A brighter diagnosis
Brilliant colors. Sharp details. Smart workflow.

Coronis Fusion

Meet the newest Coronis Fusion, perfected for color imaging with vivid and calibrated colors to help you see important color image details. Ergonomically designed to reduce repetitive stresses. Optimized for efficient workflow with clinical tools proven to increase accuracy and decrease reading times.

Coronis Fusion, bright on so many levels.

Visit Barco booth #1329 to join The Race for Better Outcomes and a chance to win a pair of Apple AirPods!

ENABLING BRIGHT OUTCOMES

BARCO

www.barco.com/diagnostic

There are not enough radiologists to cope with the ever-growing number of medical images, which leads to delay in diagnosis and treatment. Not having an expert around also leads to unnecessary misdiagnosis, with a high cost for both patients and hospitals. Radiobotics is automating analysis and description of routine medical x-ray images at hospitals, with a focus on musculoskeletal radiology. With hospital partnerships in Scandinavia and Europe, Radiobotics has access to key opinion leaders and data, accelerating algorithm development by using state-of-the-art machine learning methods, combined with deep clinical understanding. The algorithms will be easily integrated into PACS systems and readily available as pay per use (SaaS). Radiobotics has an extraordinary team of engineers with domain expertise from working closely with doctors, biomedical research and medical images, combined with colleagues with experience and expertise from other startups, funding and commercialization within the health-tech industry.

Canon USA, Inc
BOOTH 10537C, BOOTH 1933

Deep Convolutional Neural Network Image Reconstruction Technology

Building on its advanced image reconstruction technologies, Canon Medical's deep convolutional neural network (DCNN) image reconstruction technology is ushering in a new era for CT. Canon Medical's Advanced Intelligent Clear-IQ Engine (AiCE) uses a deep learning algorithm to differentiate signal from noise so that it can suppress noise while enhancing signal. The algorithm forges a new frontier for CT image reconstruction with its ability to learn from the high image quality of model-based iterative reconstruction to reconstruct CT images with improved spatial resolution and low contrast detectability compared to AIDR 3D. With AiCE's deep learning approach, thousands of features learned during training help to differentiate signal from noise for improved resolution. AiCE applies a pre-trained DCNN to enhance spatial resolution while simultaneously reducing noise with reconstruction speeds fast enough for busy clinical environments. *AiCE is recently 510(k)-cleared*

Advanced Breast-CT
BOOTH 8358

Dedicated Breast CT Delivering True 3D Images

nu:view, the world's first breast CT system to use spiral CT technology, supports radiologists to make reliable diagnoses and has been specifically developed with the highest level of patient comfort in mind. The modality is even suitable for patients with dense breast tissue or those with implants. Using a state-of-the-art single photon counting detector, nu:view provides images of the entire female breast in true isotropic 3D resolution in a single scan. Unlike conventional scintillation, nu:view uses direct converting detectors made of cadmium telluride (CdTe). In the course of one rotation around the breast, 2,000 projection images are created—with a full spiral scan taking as little as 7 to 12 seconds. With excellent image resolution, superb soft-tissue differentiation, short scan times, a low radiation dose and no breast compression, nu:view offers significant benefits for radiologists and patients.

Ulrich Medical
BOOTH 3965

Multiple-Patient Daily CT Contrast Setup

The procedure of a normal CT examination is always the same. After each patient all consumables of the contrast media injector must be changed. This causes costs and waste. Through a once-daily setup and a 24-hour (or 19 bottles of contrast medium, whichever comes first) multiple-patient use, you can get a grip on your costs and waste thanks to CT motion™. Its special workflow allows a quick changeover of patient tubing after each patient. With the ulrich medical CT motion™ you can get all these and even more advantages in one contrast media injector.

Candelis Inc
BOOTH 3138

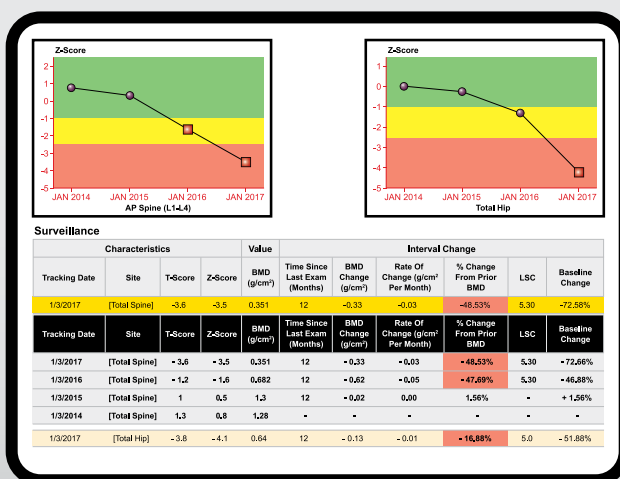## Advanced Breast Imaging Workstation with ImageGrid™ Product

Candelis, Inc., a leading provider of innovative and cost-effective solutions to hospitals and imaging centers, recently launched the Advanced Breast Imaging Workstation as an enhancement to their ImageGrid
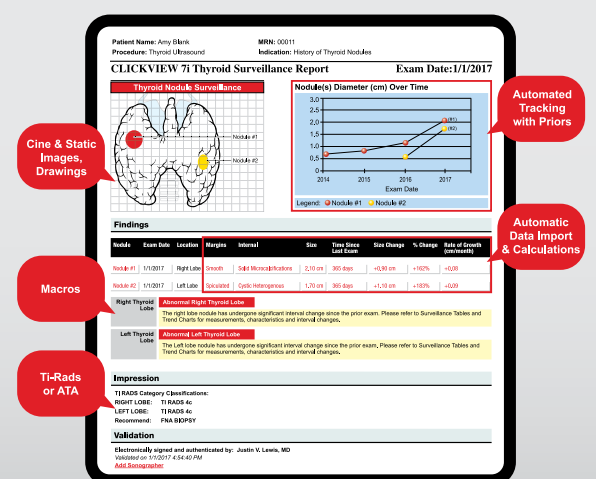
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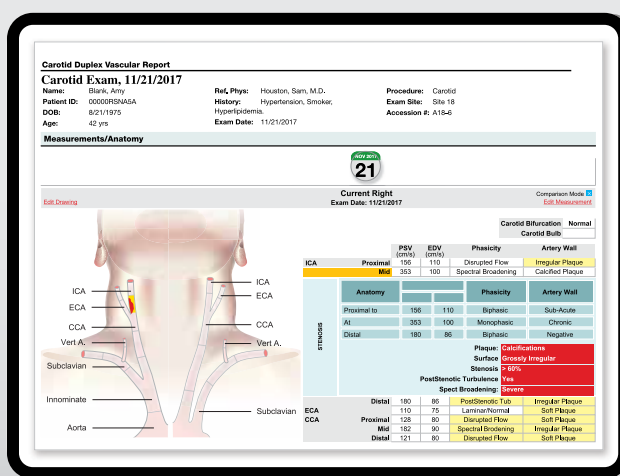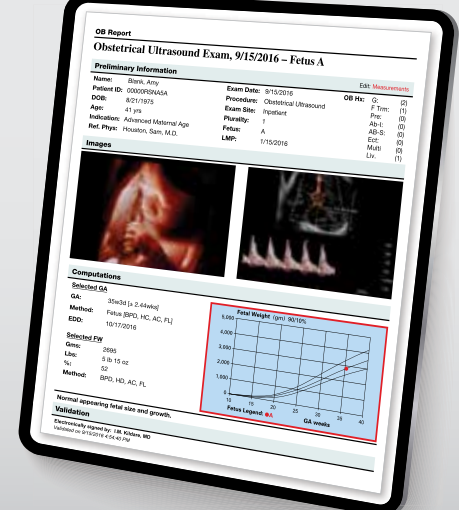
platform. With the Advanced Breast Imaging Workstation on ImageGrid, radiologists can read more tomosynthesis images per hour. New features include caching exams on the workstation to minimizing fetching activities during reading, prerendering prior exams for visualization resulting in quicker reading of studies, and ability to put an exam on hold pending availability of priors. In addition to supporting mammography and tomosynthesis images from Hologic, GE, Siemens, Fuji, Planmed, and Giotto, ImageGrid's Advanced Breast Imaging Workstation supports viewing and analysis of 3D breast ultrasound images acquired by GE, Siemens, Hitachi, and iVu. With these additional, upgraded features, the Candelis Breast Imaging Workstation allows facilities run even more efficiently and effectively, providing the best in breast care.

PaxeraHealth
BOOTH 11116, BOOTH 1334
Scalable, Multi-Specialty Enterprise Imaging Solution
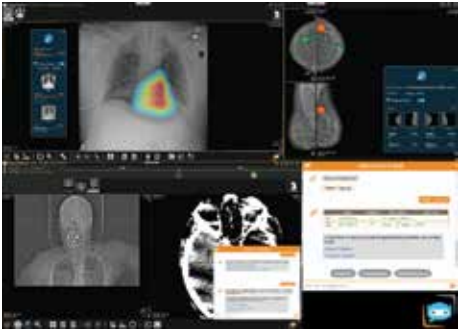
PaxeraHealth is showcasing the latest version of its enterprise imaging platform PaxeraUltima360 at RSNA. The platform—which can be incrementally licensed, configured and adopted—enables facilities to select a single, scalable, multi-specialty enterprise-imaging solution, with a flexible approach that allows facilities to invest in what they need, when they need it, as they grow and evolve. The newest release brings enhancements to several of the solution's components including image sharing, zero-footprint viewer, vendor-neutral archiving and reporting capabilities. The company will also showcase PaxeraUltima360 with the industry's first interactive AI. This robust AI solution has an advanced chatbot that allows users to interact seamlessly with the platform through voice commands to retrieve patient-specific insights and speed up actionable information. Users are empowered to quickly and confidently make decisions about patients' healthcare and benefit from faster and more efficient workflows.

DLL Financial Solutions Partner
BOOTH 4378
Strategic Finance for Advanced Medical Equipment and Technology

DLL is a strategic finance partner with operations in more than thirty countries. From health systems to ASCs to physician group practices, DLL works with partners to make advanced medical equipment

and technology attainable—for today and tomorrow. With more than three decades of experience in healthcare markets around the globe, DLL has cultivated an in-depth level of asset knowledge unique in the industry. They create solutions that enable partners to focus on what they do best—improving the standard of care for patients around the world.

FLUOROSCOPY
Ziehm Imaging
BOOTH 3343
Mobile X-ray Based Imaging Solutions

Founded in 1972, Ziehm Imaging has stood for the development, manufacturing and worldwide marketing of mobile X-ray-based imaging solutions for more than 45 years. Employing more than 500 people worldwide, the company is the recognized innovation leader in the mobile C-arm industry and a market leader in Germany and other European countries. The Nuremberg-based manufacturer has received several awards for its ground-breaking technologies and achievements.

IMAGING SERVICES
Direct Radiology
BOOTH 6533
Improved Image Interpretation Through Telediagnostic Innovation

Direct Radiology is a physician-driven teleradiology business built on high-quality, clinically useful radiology interpretations, providing 24/7/365 support and coverage with a focus on building relationships and trust with clients. They personalize teleradiology by individually addressing each client's needs to ensure they are providing the highest quality interpretations, comprehensive client support and prompt physician accessibility. They believe doctors should spend their time focusing on patient care, and their innovative solutions and team of dedicated radiologists allow that to happen. Sharing an interest in advancing the evolution of teleradiology, Direct Radiology has partnered with a leading healthcare technology company to deliver the future of teleradiology, today. Optimizing their innovative AI, cutting-edge analytics, new and interactive technology, and support services to help strengthen and empower operational workflow, they are working collaboratively to enhance and improve the radiologist experience, staying true to their key message to customers: "For radiologists, by radiologists."

INFORMATION SYSTEMS
medQ - Vaso Healthcare IT
BOOTH 3941
Enterprise Imaging Workflow Solutions

With great workflow comes great productivity. In today's demanding healthcare digital ecosystem, imaging departments and centers need all the efficiency, versatility and connectivity they can achieve in their workflow. Fortunately, medQ provides one of the industry's leading enterprise imaging workflow solutions, the Q/ris 3000. The Q/ris 3000 enterprise imaging solution is an end-to-end, fully integrated workflow. Its modular architecture allows you to easily configure a solution to fit your imaging needs without paying for parts you do not need. The Q/ris 3000 is universally interoperable and features the latest time-saving, error-reducing automation tools, such as Integrated CDS, Integrated Peer Learning, Automatic Structured Data Capture, Automatic Charge Capture, a full suite of radiologist productivity tools and worklist creation, CTR management, real-time business analytics reporting and so much more. The Q/ris Enterprise Imaging solution has all the tools and versatility to be the perfect-fit solution for your enterprise.

INTERVENTIONAL RADIOLOGY
Biodex Medical Systems Inc
BOOTH 6810
C-Arm and Ultrasound Tables for Clearer Imaging

Biodex has enhanced their surgical C-arm tables so you get the best image every time. Beneath the stainless-steel aesthetic are details to improve the entire process, including a larger radiolucent area and more finite control. Select tables feature an exclusive SmoothGlide™ movement that floats the tabletop as if on air, and isocentric lateral roll that minimizes patient and table repositioning. True for all Biodex surgical C-arm tables, the radiolucent area is free of cross members. Functional design provides complete anatomical access and, when used with the Biodex radiation shields, will reduce radiation exposure to clinicians. Enhanced patient comfort translates to faster throughput and better diagnostic results. Understanding real ergonomic design can't be created in a vacuum; every feature of Biodex ultrasound tables began with customer input—from the Fowler positioning to the cardiac scanning cutout. Experience the Sound Pro™ combination table, fully equipped for OB/GYN, general ultrasound and echocardiography.

MAMMOGRAPHY
Three Palm Software
BOOTH 8110
Breast Imaging Workstation with Multimodality Comparison and Markup Localization
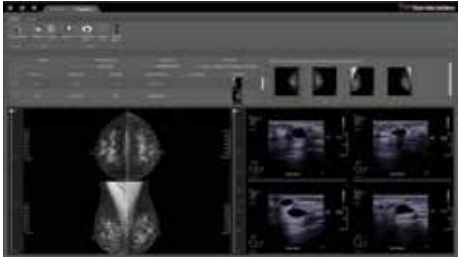
Three Palm Software's WorkstationOne is a leading software solution for reading breast imaging modalities, providing an efficient workflow along with expert tools. Enhancements being shown at RSNA 2019 include a plugin viewer for multimodality comparison and a graphical tool for markup localization across views. The comparison viewer can display any combination of images from any modality that is used in breast imaging, with synchronized scrolling through the selected views. The markup localization tool is useful to convey suspicious locations to non-radiologists (e.g., for positioning during a follow-up ultrasound exam). These features build on extensive support for tomosynthesis, 3D ultrasound, and expanding support for AI vendors, including 3D interaction for tomosynthesis studies. WorkstationOne includes mechanisms for integration with existing PACS and reporting systems, so that it can be used to upgrade a site's capabilities (e.g., for tomosynthesis reading) while not disturbing existing infrastructure.

MR IMAGING
NORAS MRI Products GmbH
BOOTH 8138
MR Imaging Product Solutions
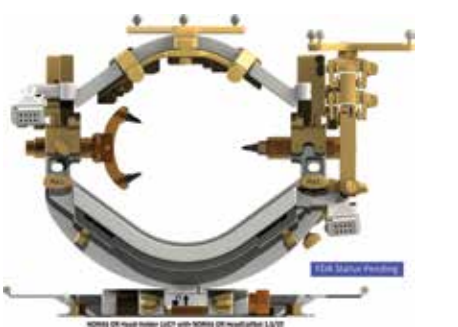
NORAS has been internationally active in the MR sector for 33 years and has made a name for itself among relevant users not only with its products but also with its customer-oriented service. In addition to their standard products, their motto "We build your vision" defines exactly what they want to offer customers and interested parties: They are your competent partner for the planning and realisation and certification of MR imaging product solutions. Both their development and their production take place in Germany. The final assembly and control of products is done by hand by skilled employees, which gives the company an additional quality advantage.

Technical Exhibits Hours
Sunday–Wednesday . . . . . 10:00 a.m.–5:00 p.m.
Thursday . . . . 10:00 a.m.–2:00 p.m.
South Hall A (Booths 1000–5999)
North Hall B (Booths 6000–8599)
**AI Showcase, North Building—Level 2 (Booths 10000–11999)**

Thinking Systems Corp
BOOTH 6709

Cloud-Based Molecular Imaging Innovation

Thinking Systems PACSCloud platform offers the best in cloud-based PACS functionality, customization, scalability, interoperability, security and customer support. The company's decades of experience in building molecular imaging, oncology, radiology and cardiology applications make them a great value-based care partner for your clinical imaging needs. Their passion is providing the best tools for hybrid imaging (PET/CT, SPECT/CT, PET/MR), general nuclear medicine and other advanced diagnostic radiology studies. PACSCloud enables physicians to interpret exams securely from anywhere. Thinking Systems has the flexibility to provide virtual molecular imaging workstations, a departmental nuclear medicine PACS, an oncology PACS or an enterprise-wide cloud PACS so you can deliver great patient care.
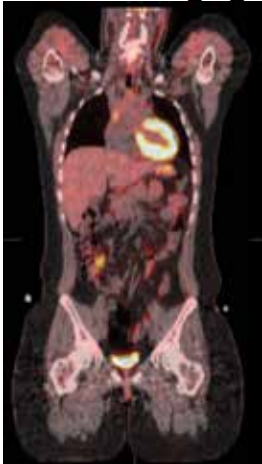
JVC Healthcare
BOOTH 1742

Innovative 5MP Color and Monochrome Diagnostic Displays

For decades, JVC's unmatched technologies and expertise have opened doors to groundbreaking advancements in numerous industrial markets. Now, medical imaging is the newest addition to its portfolio. JVC presents the "i3 Series" CL-S500 and MS-S500, further broadening the medical diagnostic imaging field to the next level. The 5MP color and monochrome displays offer new and exciting features including a sleek and stylish design with two-tone color, self-calibration, a glass protective panel and more consistent image quality. The new color management technology of the i3 Series features its unique X, Y, Z tracking and sophisticated color matching. Combined with the new calibration software QA Medivisor Agent, the JVC solutions make it easier to manage the day-to-day operations in the radiology department.

Modus Medical Devices Inc
BOOTH 8108

Quantified MRI Geometric Distortion in 3D

The QUASAR™ MRID3D by Modus Medical is a lighter, larger and more efficient 3D distortion measurement solution that leverages harmonic analysis to quantify MR imaging geometric distortion in 3D. At 21 kg, the 39.4 cm diameter phantom is half the weight of a water-filled grid phantom of the same volume. Fiducials in the acrylic phantom contain susceptibility matched mineral oil for fast, high contrast 3D T1W scanning. Mineral oil is non-reactive and allows plastics to remain dimensionally stable over time, unlike water, which causes plastics to swell. The maintenance-free phantom never has to be drained or refilled. The MRID3D system includes robust client-based image analysis software with a built-in DICOM receiver that ensures efficient file transfer and no waiting for files to upload to the cloud. Accurate phantom registration and geometric distortion analysis are fully automated, from phantom setup to results in as little as 10 minutes.

VacuTec Messtechnik GmbH
BOOTH 2501

Bluetooth Device for Patient Dosimetry

VacuTec Messtechnik GmbH provides a wireless dose area product (DAP) meter, VacuDAP Bluetooth®, for patient dosimetry in X-ray diagnostics. The device allows determination of DAP, DAP rate and irradiation time. The measuring results are transferred to an external display unit or PC via Bluetooth® technology. Powering of the system can be realized by rechargeable Li-Ion battery with 24-hour continuous operating time. Wired power supply is possible as well. This flexible setup makes it suitable for portable and mobile X-ray systems as well as for general X-ray and fluoroscopy units. Moreover, it allows a full integration of the data to X-ray acquisition software.

Shelley Medical Imaging Tech
BOOTH 8506

Multimodality Blood Flow and Motion Simulation Phantoms

Shelley's programmable CT/MR/PET/SPECT compatible DCE Perfusion Flow Phantom simulates in vitro blood flow and two-compartment contrast flow pharmacokinetics with either step function-based or typical clinical arterial input function inputs. Shelley Medical Imaging Technologies is a leader in blood flow and respiratory/heart motion simulation phantoms for MR, CT, PET, SPECT, ultrasound and PIV applications. They also offer anatomically correct silicone vascular flow models (off-the-shelf or custom patient-specific anatomies) and micro-CT Performance Evaluation Phantoms with Automated Analysis software.

Global Imaging Solutions
BOOTH 7762

Amelior8® Radiation Shielding

Amelior8® Radiation Shielding, manufactured by Global Imaging Solutions Company, provides Shielding for X-ray procedures. These include Ame'8 for Fluoroscopy tables, Ame'6 for Rad tables, Ame'4 for Ct Gantry's and Ame'2 for interventional exam tables. Ame'2, 4, 6, & 8 have a wall mount to store the shields until they are applied to the table, perfect for fixed X-ray rooms. Ame'2 also has a travel cart perfect for OR rooms using mobile C-arms. Ame'2 is designed to attach to the table, not the imaging staff. Ame'4 is designed to attach to the CT Gantry. Ame'6 attaches to a standard x-ray table. Ame'8 is designed to mount to any fluoro table handgrip so it doesn't impede any tabletop movement. This includes conventional fluoro, or remote tables. There are currently 5 fully issued patents and a registered trade mark for the Amelior8 product line.

RC Imaging
BOOTH 7810

Scientifically Proven Radiographic Accessories

Since 1991, RC Imaging specializes in DR panel protection, computed radiography cassette repair and radiography accessories. They thoroughly inspect each product they manufacture, offer and service. RC Imaging now incorporates flat panel detector accessory solutions for every brand flat-panel detector on the market. They are committed to servicing your demands and delivering on time. The same dedication that made RC Imaging a successful business from the start continues to serve customers globally in medical, military and industrial applications. They fit every portable X-ray configuration. RC Imaging's expansion is a direct result of your demand for more diverse solutions in radiographic accessories. Rugged, yet elegant design accompanies a focus on patient comfort and technologist demands. Their weight-bearing platform solution group is the answer to your requests for easy mobility plus stability, while allowing for easy weight bearing imaging on the foot, ankle and knee.

MXR Imaging
BOOTH 7558

Diagnostic Imaging Solutions Nationwide

MXR Imaging—The Imaging Solution Company (MXR) is the largest independent dealer of diagnostic imaging equipment sales, service, training and supplies in the nation. MXR is a full-service medical imaging company offering an array of services that rival original equipment manager service programs. The MXR product portfolio is diverse in options of new, used and reconditioned equipment for CT, MR, ultrasound, DR, CR, X-ray, ultrasound probes, lead aprons, positioning aids and much more. MXR has specialists in ultrasound, PACS, CT, MR and radiology who consult with customers to pursue the best solution for their needs. As a full-service medical imaging company, MXR offers various services including equipment consulting, installation, removal of old equipment, maintenance, warranty work, depot repair, probe repair, and even training the facilities' engineer on maintaining the equipment.

Ambra Health
BOOTH 1342

Streamlined Image Management in the Cloud

Ambra Health is a medical data and image management SaaS company. Intuitive, flexible, scalable and highly interoperable, the Ambra cloud platform is designed to serve as the backbone of imaging innovation and progress for healthcare providers. It empowers some of the largest health systems and radiology practices, subspecialty practices and clinical research organizations to dramatically improve imaging and collaborative care workflows. As expert partners, Ambra listens to their customers, understands their needs, and applies their extensive knowledge to deliver innovative cloud medical image management solutions for the future of healthcare.

aycan Medical Systems
BOOTH 7711

Vendor-Neutral Professional IT Services for Radiology

Incorporating best-of-breed solutions in your medical imaging workflow may be optimal, but working with multiple vendors can be challenging. That's where aycan Professional Services comes in. aycan's team of professional service engineers provides vendor-neutral services that include legacy data migration, integration services, multi-vendor workflow design and implementation, DICOM services, and medical IT project support. aycan will demonstrate these services and its PACS/VNA, HTML5 web viewers, and mammography workstation.

ULTRASOUND

Esaote
BOOTH 3111

New Full Liver Ultrasound Package

The latest release EVO3 on Esaote's MyLab™9 eXP further improves the solution for ultrasound liver examinations. The easyScanning tools package, including eScan, eDoppler and easyMode, simplifies image optimisation to reduce examination times and increase confidence for the detection of possible lesions. The **microV** hemodynamic analysis for micro-vascularization in tissue perfusion, due to its very high sensitivity, spatial resolution and frame rate, is the answer for maximized sensitivity for small vessels and slow flow detection. The QElaXto and QElaXto 2D features deliver an accurate quantitative measure of tissue stiffness based on an innovative approach to evaluating shear-wave propagation and velocity. The latest EVO3 also brings more sensitivity to contrast-enhanced ultrasound applications with a new version of the CnTI™option, and interventional activities can be conducted with the Virtual Navigator, the Esaote 3D fusion solution.

Shantou Institute of Ultrasonic Instruments Co., Ltd (SIUI)
BOOTH 2124

Intelligent Breast Volume System

IBUS 60, an intelligent breast volume diagnostic system launched by Shantou Institute of Ultrasonic Instruments Co., Ltd. (SIUI), is the third of its kind in the world. Applied with brand new, cutting-edge ultrasound examination methods, IBUS 60 represents a major technological breakthrough in the field of ultrasound imaging and diagnostic mode. Featured with safety and comfort, IBUS 60 offers high-resolution images and reduces missed diagnosis, which is ideal for breast exam, especially for one with dense breasts. SIUI is dedicated to innovative development of healthcare and safety and is persistently engaged in research and education and manufacture of medical imaging systems. State-of-the-art technologies, cutting-edge equipment, fine craftsmanship, quality products and good service have earned SIUI great reputation among customers in the industry.

Refer to *Meeting.RSNA.org* and the 2019 Meeting App for a list of the days, times and presentations

iNNOGING Medical Ltd
BOOTH 2468-A3

Remote and Offline Ultrasound Image Analysis Solution

Ultrasound is a real-time examination and very much operator dependent. Most ultrasound scans are done by technicians and afterwards diagnosed offline by the expert without the presence of the patient. A major drawback is that the radiologist who determines the diagnoses is not the person who performs the ultrasound scan; hence this workflow might lead to errors when providing the diagnosis and, worse, to misdiagnoses. iNNOGING is developing a technology that will provide radiologists with a remote, offline tool to inspect areas of interest, based on recorded ultrasound scans. It allows navigation like that in real time as if the patient is there with the doctor, while all possible information (any plane) of an organ is visible, even information that was not presented in the original scan. In addition, iNNOGING recently has launched a SaaS-based ultrasound simulator.

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.

Parker Laboratories Inc
BOOTH 1805

Ultrasound and Electromedical Contact Media

Parker Laboratories is the leading manufacturer of medical ultrasound and electromedical contact media, including gels, solid gels and lotions. Aquasonic®100 Ultrasound Transmission Gel is the "world standard" for medical ultrasound transmission. Eclipse® 3D Probe Cover is designed to fit 3D/4D probes/transducers. Aquasonic® 100 and Aquasonic Clear® Single Use Packettes, 20 grams of non-sterile ultrasound gel, helps reduce the risk of cross-contamination. ProteX ULTRA Wipes eliminate 99.9% of bacteria in 15 seconds and disinfect in just 4 minutes.

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