

N.Y. Medical Imaging Informatics

Symposium

SEPTEMBER 21, 2015

◆ NEW YORK CITY

◆ MARRIOTT MARQUIS

7:30	Registration & Breakfast	
8:00	Introductory Remarks	Dr. David Hirschorn Staten Island University Hospital
8:15	Radiology Informatics: The National Perspective	Dr. Keith Dreyer Massachusetts General Hospital
9:15	The Long Arm of the Law in Radiology's Digital Era	Dr. Eliot Siegel Baltimore VA
10:15	Morning Coffee Break	
10:45	Is the Art of Medicine Dead in the Era of Population Health Management	Dr. James Brink Massachusetts General Hospital
11:45	Managing Radiology IT in an EHR Era	Mr. Jim Noga Partners Healthcare
12:45	Lunch	
1:45	Vendor Panel on Image Enabling the EMR	Allscripts, Epic, Lexmark, Siemens, Winthrop Hospital
2:45	Critical Results: Getting the Right Message to the Right Doctor, On Time	Dr. David Hirschorn Staten Island University Hospital
3:45	Afternoon Coffee Break	
4:15	Imaging 3.0 in Action: Using Data Analytics to Transition from Volume to Value	Dr. William Boonn University of Pennsylvania
5:15	Selected Poster Presentations	
5:30	Dedicated Exhibit Hall Time	
6:00	Reception & Poster Awards	
7:00	Adjourn	

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Conference Overview

The New York Medical Imaging Informatics Symposium is a great place to explore the best practices in medical imaging information systems including Picture Archive and Communications Systems (PACS), Radiology and Cardiology Information Systems (RIS and CIS), speech recognition reporting systems, the image enabled electronic medical record (EMR), clinical decision support systems, medical displays and methods of image exchange. You can also learn the latest information about the rules of meaningful use of health information technology as they pertain to medical imaging, and informatics techniques to lower radiation dose. In addition to a gathering of first rate nationally recognized speakers, the meeting will have an extensive technical exhibit area for attendees to see examples of these systems first hand.

Accreditation

Staten Island University Hospital is accredited by the Medical Society of the State of New York to provide continuing medical education for physicians. Staten Island University Hospital designates this educational activity for a maximum of **6 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity. The course is also approved for credit by the ASRT for 5 category A+ and 1 Category A credits.

Sponsors

Staten Island University Hospital acknowledges the following companies with utmost gratitude for their unrestricted educational grants:

Silver

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Wi-Fi Access, Course Evaluation and Tablet Raffle

Free WiFi access is provided in the Lecture Hall for the audience to use. Instructions on how to connect will be announced. In order to improve access, we purchased WiFi from Marriott this year, but in order to keep it affordable it is **bandwidth limited**. The primary intent is for it to be used by the audience for polls during the presentations. So while you can feel free to check your email, please be courteous and **do not download large files or stream video** on it.

After the event, you can fill out the course evaluation online to win a tablet computer. This lets us know what you thought of the event. The deadline for the raffle is **Wednesday Sept 23 at noon** so that people have a chance to fill it out afterward. The raffle is restricted to registered attendees, except employees of exhibitors and sponsors. At the end of the evaluation there is a marketing survey which lets us know how you heard about the symposium so we can better spend the marketing dollars to reach more people like you. The survey can be accessed from a link on the nymiis.com home page.

CME and CE Credits

To obtain CME or CE credits, please fill out the request form at the end of this handout. Be sure to check in at the registration desk and include the codes revealed at the end of each lecture on the request form to obtain credit. Please hand in the completed form at the registration desk. Please also hand in your badge at the end, unless you want to keep it, so we can re-use the holders next year (think green). Please also note that no CME or CE credit can be awarded for the Vendor Panel Session. This activity has been approved for 5 Category A+ and 1 Category A CE credits by the ASRT.

Disclosure Policy

Policies and standards of MSSNY/ACCME require that speakers and planners for continuing medical educational activities disclose any relevant financial relationships they may have with commercial interests whose products, devices or services may be discussed in the content of a CME activity.

The following participants have disclosed relevant financial relationships:

William Boonn, MD is President and Shareholder of Montage Healthcare Solutions, Inc.

The following participants do not have any relevant financial relationships:

James Brink, MD, Keith Dreyer, MD, Eliot Siegel, MD, James Noga, David Hirschorn, MD

Guidebook

Today's program is available in the Guidebook app on any smart phone, just search for NYMIIS 2015.

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Speakers

Radiology Informatics: The National Perspective

Keith Dreyer, DO, PhD

Associate Professor of Radiology
Harvard Medical School
Vice Chair for Informatics
Massachusetts General Hospital
Chair, Informatics Commission
American College of Radiology



Keith Dreyer is the Vice-Chairman of Radiology - Informatics at Massachusetts General Hospital and Assistant Professor of Radiology at the Harvard Medical School. Dr. Dreyer holds a BS in Mathematics, an MS in Image Processing, and a Ph.D. in Computer Science. He completed his medical school training at Michigan State University, internship and radiology residency at Wayne State University, MRI/ Medical Informatics fellowship at Harvard Medical School and is Board Certified in Diagnostic Radiology by the American Board of Radiology.

Dr. Dreyer holds numerous board, committee and editorial positions for several radiologic societies including the ACR, ARRS, RSNA, and SCAR and is the medical advisor for over a dozen global healthcare corporations. He has authored numerous papers and lectures worldwide on PACS, Distributed Medical Imaging, Web Image Distribution, Electronic Medical Records, Medical Informatics, telemedicine, Voice Recognition and the internet.

Dr. Dreyer is the CIO for Partners Radiology, LLC and the Medical Director for the Advanced Imaging Laboratory at MGH where he holds numerous software copyrights in the area of medical imaging. He is the Corporate Director for Medical Imaging at Partners HealthCare Systems, which includes Massachusetts General Hospital, Brigham and Woman's Hospital and ten affiliated institutions where he is responsible for enterprise- wide PACS deployment.

Keith J. Dreyer, DO, PhD, was inducted into the College of SIIM Fellows at the society's annual meeting in Minneapolis, MN, on June 4, 2010.

OBJECTIVES:

- Understand the upcoming changes in US healthcare payment models and quality incentives
- Understand the initiatives of the ACR including Imaging 3.0 to prepare radiologist for payment reform
- Understand the mandate for the use of Appropriate Use Criteria for the ordering of high cost imaging

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Speakers

The Long Arm of the Law in Radiology's Digital Era

Elliot Siegel, MD, FSIIM

Professor & Vice Chairman of Research Information Systems
Department of Diagnostic Radiology
University of Maryland School of Medicine
Chief of Imaging
VA Maryland Healthcare System



Dr. Siegel is Professor and Vice Chair at the University of Maryland School of Medicine, Department of Diagnostic Radiology, as well as Chief of Radiology and Nuclear Medicine for the Veterans Affairs Maryland Healthcare System, both in Baltimore, MD. Dr. Siegel is also responsible for the NCI's National Cancer Image Archive and is Workspace Lead of the National Cancer Institute's caBIG In Vivo Imaging Workspace. He is the director of the Maryland Imaging Research Technologies Laboratory and head of the Center for Advanced Computational Intelligence in Medicine.

Under his guidance, the VA Maryland Healthcare System became the first filmless healthcare enterprise in the United States. He has written over 200 articles and book chapters about PACS (Picture Archiving and Communication Systems) and digital imaging, and has edited six books on the topic, including *Filmless Radiology* and *Security Issues in the Digital Medical Enterprise*. He has made more than 1,000 presentations throughout the world on a broad range of topics involving the use of computers in medicine. He has been named as Researcher of the Year, received multiple awards for innovation, including the Smithsonian award, and was selected as runner up Educator of the Year for Diagnostic Radiology. The readers and editorial board of *Medical Imaging* have selected Dr. Siegel as one of the top ten radiologists for the past two years. He was symposium chairman for the Society of Photo-optical and Industrial Engineers (SPIE) Medical Imaging Meeting for three years, is currently chair of Publications for the Society of Computer Applications in Radiology (SIIM) and has been honored as a fellow in that organization. He is co-chairman of the RSNA's Medical Imaging Resource Committee. Dr. Siegel has a grant from the IBM "Jeopardy" team to help "educate" the "Dr. Watson" software in the field of medicine. His areas of interest and responsibility at both the local and national levels include digital imaging and PACS, telemedicine, the electronic medical record, and informatics and artificial intelligence in medicine.

OBJECTIVES:

- Describe the requirement for retention of digital images
- Discuss the pros and cons of saving CAD markings
- List legal and regulatory issues related to image compression

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Speakers

Is the Art of Medicine Dead in the Era of Population Health Management

James Brink, MD

Juan M. Taveras Professor of Radiology
Harvard Medical School
Radiologist-in-Chief
Massachusetts General Hospital



James A. Brink is Radiologist-in-Chief at the Massachusetts General Hospital (MGH) and the Juan M. Taveras Professor of Radiology at Harvard Medical School. He earned a BS degree in Electrical Engineering at Purdue University and an MD at Indiana University before completing his residency and fellowship at MGH in 1990. He joined the faculty at the Mallinckrodt Institute of Radiology at Washington University School of Medicine where he rose to the rank of Associate Professor prior to joining the faculty at Yale University in 1997. Dr. Brink served as Chair of the Yale Department of Diagnostic Radiology from 2006 to 2013 prior to returning to MGH as Radiologist-in-Chief. Dr. Brink is a fellow of the Society for Computed Body Tomography/Magnetic Resonance, a fellow of the American College of Radiology (ACR), and Past-President of the American Roentgen Ray Society (2012). For the ACR, Dr. Brink serves as Vice-Chair, Board of Chancellors, and for the National Council for Radiation Protection and Measurements (NCRP), he serves as the Scientific Vice-President for Radiation Protection in Medicine. While he has broad experience in medical imaging, including utilization and management of imaging resources, Dr. Brink has particular interest and expertise in issues related to the monitoring and control of medical radiation exposure.

OBJECTIVES:

- To learn the principles of population health management
- To consider the impact of variation in the practice radiology on population health.
- To understand the potential roles that radiologists can play to improve population health.

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Speakers

Managing Radiology IT in an EHR Era

Jim Noga

Chief Information Officer
Partners Healthcare

James Noga serves as Vice-President and Chief Information Officer of Partners HealthCare. Partners HealthCare was founded in 1994 by Brigham and Women's Hospital and Massachusetts General Hospital. Mr. Noga comes to this role with a deep and rich history with Partners. He was recruited by Massachusetts General Hospital as Director of Clinical Applications in 1990 and assumed the role CIO of Massachusetts General Hospital and the Massachusetts General Physicians Organization in 1997. Under Mr. Noga's leadership, the MGH and Partners have undergone significant technology advances to support all aspects of clinical care and research.



Mr. Noga holds an MS Degree in Biomedical Computing and Information Processing and a BS degree in Medical Technology both from the Ohio State University. He is an active member of the College of Healthcare Information Management Executives and the Health Information and Management Systems Society.

Partners HealthCare

Partners HealthCare includes two of the U.S. News and World Report's Honor Roll Hospitals: Massachusetts General Hospital and Brigham and Women's Hospital. Designated as one of the World's Top 10 Most Innovative Companies in Health Care by Fast Company, Partners is the largest healthcare provider in Massachusetts and many of its hospitals are teaching affiliates of Harvard Medical School.

OBJECTIVES:

- Identify which aspects of radiology IT should be centralized in Radiology and which should be managed by the enterprise EHR
- Have an understanding of the challenges and solutions to enterprise visualization in a multi-PACS environment
- How to address the upcoming CMS regulation for inclusion of radiology clinical decision support on an enterprise basis.

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Speakers

Critical Results: Getting the Right Message to the Right Doctor, On Time

David Hirschorn, MD

Director of Radiology Informatics
Staten Island University Hospital



Dr. David Hirschorn joined Staten Island University Hospital as Director of Radiology Informatics in 2003 and concurrently served as a Research Fellow in Radiology at Massachusetts General Hospital and Harvard Medical School for seven years. He completed a fellowship in Radiology Informatics at Massachusetts General Hospital and Harvard Medical School in 2003. An RSNA Research Trainee Prize was awarded to him that year for his work on international teleradiology. Dr. Hirschorn was certified by the American Board of Radiology in 2002 after graduating from medical school, completing an internship in medicine and completing a residency in diagnostic radiology all at UMDNJ-New Jersey Medical School. He served as chief resident in his last year there. He earned his undergraduate degree in bioengineering from the University of Pennsylvania in 1992.

Dr. Hirschorn is a frequent lecturer and author on topics including medical image displays, mobile devices for medical imaging, teleradiology, PACS, RIS and speech recognition dictation systems. His research includes understanding the requirements for medical imaging displays in the context of an ever changing market of consumer and medically marketed displays as well as mobile devices. Dr. Hirschorn serves on the Information Technology and Informatics committee of the American College of Radiology, and has written guidelines about the role of dekstops displays and mobile devices for medical image display. He has represented the ACR to the Food and Drug Administration several times. He has served as Chairman of the Radiology Informatics Subcommittee of the Scientific Program Committee of the Radiologic Society of North America. Dr. Hirschorn also serves on the Education Committee of the Society for Imaging Informatics in Medicine and the editorial boards of the Journal of Digital Imaging and Diagnostic Imaging Magazine. He is also the course director of the annual New York Medical Imaging Informatics Symposium held in New York City in the Fall. Dr. Hirschorn can be reached at hirschorn.david@mgh.harvard.edu.

OBJECTIVES:

- Which results are considered urgent or important, and the timeframe within which they must be delivered
- Typical barriers faced when trying to communicate critical findings
- Practical methods for overcoming these barriers and ensuring that patient care is delivered in a timely fashion without adverse patient events

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Speakers

Imaging 3.0 in Action: Using Data Analytics to Transition from Volume to Value

William Boonn, MD

Radiologist
University of Pennsylvania
President & CEO
Montage Healthcare Solutions



William Boonn MD is Adjunct Assistant Professor of Radiology, Perelman School of Medicine at the University of Pennsylvania as well as the President and CEO of Montage Healthcare Solutions . Previously he was Chief of 3D and Advanced Imaging, Associate Director of Imaging Informatics, and Assistant Professor of Radiology at the University of Pennsylvania. He completed his diagnostic radiology residency and cardiovascular imaging fellowship at the University of Pennsylvania and an additional Imaging Informatics fellowship at the University of Maryland. Dr. Boonn is actively involved in the radiology informatics community, holding chair and committee positions with the Radiological Society of North America and American College of Radiology. Dr. Boonn also serves on the Board of Directors for the Society of Imaging Informatics in Medicine.

OBJECTIVES:

- Understand the upcoming changes in US healthcare payment models and quality incentives
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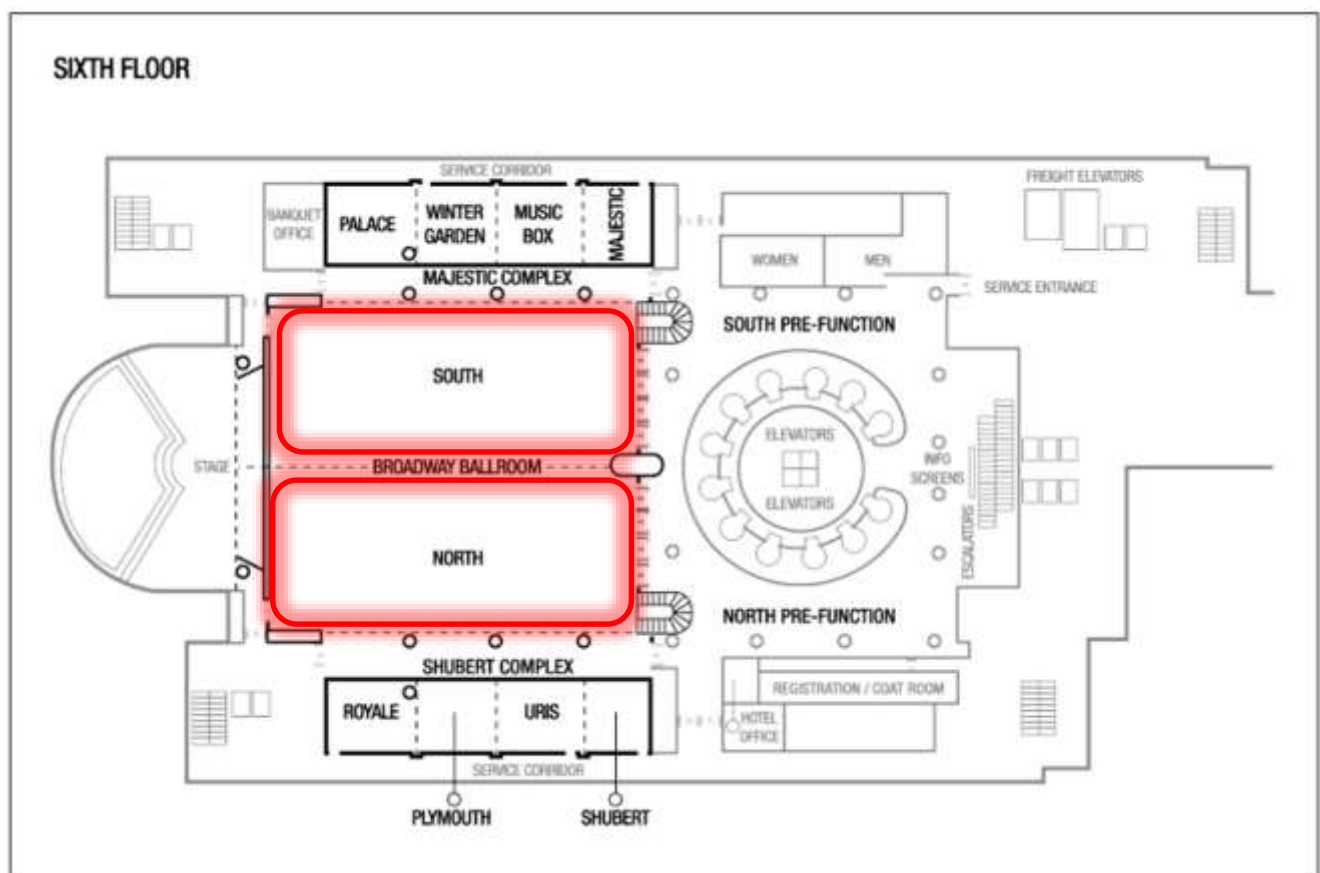
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6th Floor of Marriott Overview

The Lecture Hall is in Broadway South, Technical Exhibits are in Broadway North.



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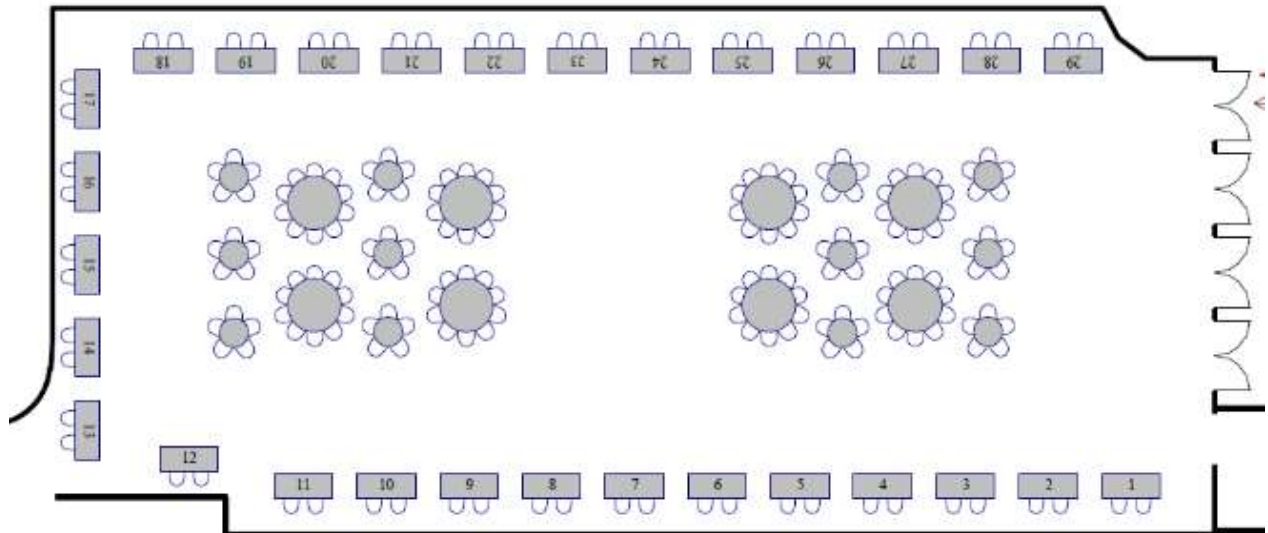


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Technical Exhibit Hall



AFC 8

Barco 27

Bayer 29

Bracco 7

Carestream 21

Dell 10

Double Black 6

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GE Healthcare 2

Imorgon 3

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Lexmark 4

M*Modal 23

Mach7 9

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Exhibitor Directory

AFC Industries

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Since 1994, AFC Industries has been an innovator in the field of Radiology reading room solutions. Our Radiology product line is crafted for the ultimate in safety, adaptability, comfort and functionality. Noted for its high level of customer service, AFC offers complementary room design analysis, three-dimensional designs, configurations and ongoing customer support.

Barco

27

Barco offers a full range of display systems that support the New York State standard for Primary Diagnostic Monitors, including our QAWeb software for bi-weekly visual checks, quarterly DICOM compliance checks, annual verification testing and automated reporting tools. Barco displays also come standard with integrated front sensors for consistent image quality and protective front covers for easy cleaning. In addition, all Barco PDMs meet or exceed both the New York State and ACR guidelines for brightness and luminance ratio for the lifetime of the display

Bayer Healthcare

29

The Bayer Radimetrics™ Enterprise Platform merges and mobilizes patient dose histories and current exam details across the organization. Users select options for patient-centered care, compliance and efficiency. Platform options: Document radiation dose, contrast dose* (requires Certegra option), or both; Access single-patient dose records, aggregated study information, or both; Activate tools for cross-organizational insight.

Bracco Diagnostics

7

Bracco Diagnostics Inc. & Bracco Injengineering, (BDI) the U.S.-based subsidiaries of Bracco Imaging SpA, develops and markets imaging agents for use in X-ray/Computed Tomography (CT), Nuclear Medicine and Magnetic Resonance Imaging (MRI) in the U.S. and Canada. Our leading products represent a significant share of the U.S. diagnostic contrast media market. With headquarters in Monroe Township, NJ, the company is also developing contrast agents for ultrasound procedures. Thanks to this strengthened product portfolio, including CT Exprès, EmpowerCTA®, EmpowerMR® and Nexo, Bracco Imaging will be able to focus on constant innovation, not only for devices, but also for software development and data management.

Carestream

21

Carestream's innovative Vue solutions set new standards for healthcare IT systems, underscoring the clinical and business value of imaging IT. Carestream offers RIS+PACS, vendor-neutral archiving and reporting capabilities including new native multi-media reporting. Our Clinical Collaboration Platform consolidates multiple silos of information to enhance sharing of dermatology, endoscopy, radiology, cardiology and other types of files.

Dell

10

Dell is among the leading providers of IT services to the healthcare industry. The company's scale extends from the largest healthcare systems in the world to the smallest physician practices. As a highly experienced provider of consulting, business process and technology-based solutions for the healthcare industry, Dell is globally positioned to provide the knowledge, leadership and expertise needed to successfully deliver solutions that combine our core competencies with your strengths. Our workforce includes more than 14,000 dedicated healthcare associates who are passionately committed to providing integrated, comprehensive business and technical services within the healthcare market place.

For additional information on our end-end healthcare solutions, contact your Dell representative or visit www.dell.com/healthcare

Double Black Imaging

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Double Black Imaging is showcasing their new line of LED Auto-calibrating with X-CAL Calibration software, Clinical, MR Safe and Surgical displays and DICOMetrix PACS Performance Dashboard software. The X-CAL Web Calibration suite includes Remote calibration ability via built in front sensors, comprehensive reporting available locally and remotely, email alerts for non-conformance, QA/QC visual patterns and ability to manage/launch calibrations/tests/reports for a network of displays remotely.

DBI is dedicated to developing unique, innovative imaging solutions that make imaging more efficient.

Eizo

1

EIZO provides an innovative and reliable line of medical LCD monitors ranging from 1MP - 8MP for use in every medical imaging modality including mammography with FDA510(k) clearance. Their new multi-modality approach understands their imaging customer's needs for efficiency and provides monitors that can do both accurate grayscale and color imaging on a single display. This cuts down costs and reduces the need for radiologists to have to move workstations depending on the type of imaging being read. EIZO has become synonymous with reliability and offer the lowest failure rates in the industry and longest warranties. EIZO provides a turnkey solution offering graphics cards, quality control and network management software and accessories.

GE Healthcare

2

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Centricity™ Solutions for Enterprise Imaging deliver a common viewing, analytics and vendor-neutral archiving experience

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across specialties. It's designed to support multiple care-specific workflows, and offer clinicians the ability to work independent of location. New solutions from Centricity™ Solutions for Enterprise Imaging unify radiology and cardiology imaging, integrate mammography and tomography, connect mobile images directly to the patient record, and consolidate cross-enterprise views of the patient record.

Imorgon Medical, LLC 3

Ultrasound imaging provides nonparallel, color images and clips to convey patient exam information; however, PACS best supports modalities with static, parallel, grey-scale images. To address the gap, Imorgon developed our system to restore ultrasound-specific functionality back to ultrasound. The Imorgon System *seamlessly integrates* with enterprise PACS workstations, and provides vendor-neutral compatibility with all major ultrasound and dictation systems. Imorgon displays ultrasound images and clips in interleaved, acquisition order with clips automatically playing and it automatically transfers measurements/calculations from the exam to the Radiology Report.

Laitek 25

Laitek delivers fast, accurate solutions in clinical data migration, workflow, storage and interoperability, supporting healthcare facilities of all sizes as well as PACS and VNA vendors. Operated by industry experts in hospital IT management, and in DICOM & HL7 standards development, Laitek has decades of frontline experience serving healthcare providers to secure, control, and efficiently manage their clinical data.

Laitek's Semperdata™ solutions represent the fusion of our Migratex® migration tools with our Semperdata™ archive platform. Semperdata solutions provide enterprise interoperability for integrating your current systems, archive platform. Semperdata solutions provide enterprise interoperability for integrating your current systems, archiving your decommissioned systems, and easing future transitions. Semperdata™ connects medical image data systems, all while keeping local access to storage, ensuring undisturbed performance and reliability.

Lexmark 4

Lexmark Healthcare uniquely delivers a complete patient record within the core applications you use today. Lexmark healthcare content management combines industry-leading technology including vendor neutral archive, enterprise viewing, document management and image connectivity. With Lexmark Healthcare, you can make more informed decisions, future-proof your business and maximize your technology investments.

M*Modal 23

M*Modal, a leader in speech-based clinical documentation solutions, enables radiologists to enhance report quality, productivity and the value they deliver to the patient care continuum. M*Modal Fluency for Imaging™ received the highest score in the KLAS 2015 Midterm Performance Review in the front-end speech diagnostic sub-segment. To support the faster creation of higher-quality reports, Fluency for Imaging uniquely combines Speech and Natural Language Understanding

technologies. This enables M*Modal to deliver the highest accuracy and also real-time, automated feedback to radiologists on ICD-10 compliance, laterality, gender mismatch, critical findings, PQRS, etc., to continuously monitor and improve documentation quality. The M*Modal reporting solution also provides workflow management and productivity-enhancing tools such as CTRM, Peer Review and data integration options (e.g., DICOM SR measurements, contrast data, etc.). Moreover, M*Modal imaging solutions extract, summarize and present context-specific information from clinical narratives for an insight-driven documentation workflow to enable better decision making.

Mach 7 Technologies 9

Mach7 Technologies is a global provider of enterprise image management systems and services that allow healthcare enterprises to easily identify, connect and share diagnostic image and patient care intelligence where and when it is needed. Our innovative communication and workflow technology delivers complete management including rapid record identification, integration, synchronization and routing, advanced clinical viewing, and optimized vendor neutral archiving across the enterprise.

McKesson Corporation 11

McKesson technology solutions are completely focused on healthcare IT. As a corporation, approximately 52% of US hospitals use our software, automation and services. And our image and workflow solutions (IWS) business provides solutions to over 3000 unique facilities worldwide, including global leaders across the healthcare industry and some of the world's largest health networks. We provide solutions for Radiology (PACS), Cardiology (CVIS) and our Conserus solutions support a systematic, enterprise-wide approach to VNA planning, acquisition and deployment. Our standards-based solutions will help achieving interoperability as you move from a volume to value based care environment.

Nuance Communications 5

PowerScribe 360 is a critical component within the radiology workflow and a trusted solution for thousands of radiologists – enabling quality, efficient, structured reporting, automated critical test results management and quality search and analytics. For radiology and beyond, any healthcare organization, referring physician or patient can join the PowerShare Network, the world's largest reporting, communication and medical image sharing community for quick, simple and secure sharing of reports and images, to save time, increase referrals and improve the quality of care.

Sectra 26

With more than 20 years of innovation in imaging, Sectra develops and sells IT systems for radiology, pathology, women's health and orthopaedics. More than 1,700 hospitals, clinics and imaging centers worldwide use the systems daily, making Sectra one of the world-leading companies for handling digital images. For two consecutive years, Sectra PACS has been awarded "Best in KLAS" among hospitals over 200 beds. This year, also winning "Category Leader" for Community PACS (hospitals under 200 beds) and Ambulatory PACS (imaging centers and

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radiology groups) gives Sectra the distinction to have swept all the PACS honors in the U.S. market. For more information, visit www.sectra.com

Siemens Healthcare

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Siemens *syngo* medical imaging software makes reading, storing, and sharing clinical images easier and more efficient than ever. Its innovative technology transforms the power of imaging equipment into tangible clinical benefits. A common user interface across all modalities streamlines radiologists' work, boosting productivity. And mobile access capabilities make it possible to view images and findings anywhere¹ and on many devices, providing a whole new level of flexibility. To put it briefly: in terms of quality, efficiency, and patient outcomes, *syngo* enables healthcare facilities to see real results.

TeraRecon

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TeraRecon is a global leader in advanced image processing for CT, MR, PET & 3D visualization techniques. iNteract+ is the company's new 'ingeniously informed' image viewer that works in combination with any of TeraRecon's medical image viewers and image sharing and storage solutions to provide unmatched intelligence, powerful interoperability and simplified integration capabilities. It enhances the clinical end-user experience provided by PACS, VNA, EMR and other mission-critical image processing and image acquisition systems.

Visage Imaging

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Visage Imaging provides enterprise imaging and advanced visualization solutions for diagnostic imaging. Visage 7 delivers amazingly fast server-side rendered images streamed via an intelligent thin-client viewer. Radiologists and referring physicians have a customized, protocol-driven workflow to natively view multi-dimensional imagery across a single desktop.

Vital Images, Inc.

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Vital, a Toshiba Medical Systems Group Company is a leading provider of advanced visualization and analysis software for physicians and healthcare specialists. The company's software provides users productivity and communication tools to improve patient care that can be accessed throughout the enterprise anytime, anywhere via the Web.

	AFC	Barco	Bayer	Bracco	Carestream	Dell	Double Black	Eizo	GE	Imorgon	Laitex	Lexmark	M*Modal	Mach 7	McKesson	Nuance	Sectra	Siemens	Tera Recon	Visage	Vital Images	
Advanced visualization & 3D					•				•	•							•	•	•	•	•	
Billing and coding						•							•			•						
Business and clinical analytics						•							•			•						
Cardiovascular IS and PACS					•				•						•		•	•	•	•	•	•
Clinical decision support						•							•			•						
Computed radiography (CR/DR)					•				•													
Contrast injection monitoring			•	•																		
Critical test result management													•			•						
Document management						•			•		•	•		•							•	
Enterprise imaging					•	•			•		•	•		•			•	•	•	•	•	•
Image sharing					•	•			•			•		•	•	•	•	•	•	•	•	•
Medical displays		•				•	•	•														
Medical image archives (VNA)					•	•			•		•	•		•			•	•				
PACS					•				•								•	•			•	
PACS monitoring							•								•							
Patient portal					•	•								•								
Peer review										•			•			•						
Point of care systems		•				•		•														
Radiation dose monitoring			•	•		•			•						•		•					
Radiologist workflow tools									•				•	•	•	•						
Radiology information systems (RIS)					•				•									•			•	
Referral management																						
Result reporting					•					•			•		•	•						
Ultrasound workflow										•												
Workstation equipment	•	•					•	•					•									

This vendor grid is meant as a quick guide to help you identify which vendors offer which types of products and services. Please note that it is not comprehensive; some vendors offer a lot more than this grid shows. Also, I am sure there are some errors in it of both commission and omission, so please do not assume it to be completely accurate.

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Posters

A Novel Multimodal Algorithm for Fully Automated Whole Brain Segmentation

Peter Chang, MD; Akshay Goel, MD¹; Peter Yang, BA; Christopher Filippi, MD; Lawrence Schwartz, MD
Columbia University Medical Center

A PACS-based teaching file for intra-institutional review

Dan Shilo, MD, Elliot Landau, MD
Staten Island U Hospital

Analysis of Adipose Tissue Distribution Using a Single Abdominal CT Slice and Potential Associations with Risk for Obstructive Sleep Apnea

F Kayali, Staten Island, NY; H Asuri; A Miucin; A Shaikh; M Dahhan; S O Tewari, MD; R Ramkissoon; J Kreher; J Wang; D Gozal, MD; V Kikkeri, MD
Richmond University Medical Center

Automatic and Manual Segmentation of Hippocampus in Epileptic Patients MRI

Mohammad-Parsa Hosseini, Mohamad Nazem-Zadeh, Dario Pompili, Kourosh Jafari-Khouzani, Kost Elisevich, Hamid Soltanian-Zadeh

Department of Electrical and Computer Engineering, Rutgers University

Automated radiology monitoring system reveals disparities in lack of follow-up among patients with indeterminate abdominal lesions detected during hospitalization; a pilot study

Eilann C Santo, Peter Dunbar, Caroline Sloan, Tessa S Cook, Darco Lalevic, Hanna Zafar
University of Pennsylvania, Philadelphia

Check the 'Call-Wiki': Advantages of using a resident implemented Wikispace classroom social writing platform at a university-based Diagnostic Radiology Program

Sergey Leshchinskiy, MD; James Allison, MD; Robert K. Bour, MD; Robert D'Agostino, MD, Department of Radiology, University of Vermont Medical Center, Burlington, VT

University of Vermont Medical Center

Dictation Downtime? Grab your Smartphone! **Sumeet Bahl, MD, Sagar Shah, DO, Carlos L. Benitez, MD, Nolan Kagetsu, MD**

Mt. Sinai St. Luke's-Roosevelt Hospital

Factors affecting follow-up completion: when do patients return for imaging?

Joshua K. Cho; Darco Lalevic, MS; Hanna M. Zafar, MD, MHS; Tessa S. Cook, MD, PhD
Albert Einstein College of Medicine

Google Glass: a tool to assess and document interventional radiology trainee procedural competence, a pilot study
Rajaratnam DR, Holloway B, Shi V, Jacobson JP, Smith JC.

Loma Linda University Medical Center Department of Radiology

Google Glass and Interventional Radiology: Preliminary Applications

Sarel Gaur MD

SUNY Stony Brook University Hospital

Implementing a New PACS: Growing Pains and Navigating the Learning Curve

Ashish Sethi MD, MHA; Chris Sistrom MD, PhD; Eric Thoburn MD; David Wymer MD
University of Florida

Lack of Utility of Head CT in Concussive Head Injury Amongst Non-Geriatric Patients

Dave Milzman MD, Jack Sava MD, Travis Smith MD
Georgetown University/Washington Hospital Center

Laterality Errors in Radiology Reports – Detection and Prevention

Elliot Landau MD, Staten Island University Hospital, Iakovos Koutras MD
Staten Island U Hospital
New York Presbyterian Queens

Leveraging the Cloud Computing Infrastructure to Develop Radiology Applications

Bimal Vyas, MD; Eliot Siegel, MD; Kenneth C Wang, MD, PhD
University of Maryland

Managing Downtime in Radiology IT Systems

S Kolla, MD; S A Waite, MD; B D Gale, MD
SUNY Downstate Medical Center

Single Slice CT Analysis of Adipose Tissue Distribution as an adjunct to Body Mass Index for evaluation of risk for Diabetes Mellitus and Hypertension

F Kayali, Staten Island, NY; H Asuri; A Miucin; A Shaikh; M Dahhan; S O Tewari, MD; R Ramkissoon; J Kreher; J Wang; D Gozal, MD; V Kikkeri, MD.
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Six monitor workstation: A robust cost-effective solution to improve workflow in a busy complex multispecialty radiology practice environment.

John Mukai, M.D. Alexander Rende, M.D. David Bader, M.D.
St. Vincent Hospital

Slabs: 3D Printed Human Body for Medical Education

Quraishi, I. Mohammed, MD, Saad, Sherif, MD, Wang, Kenneth
University of Maryland

Web-Based Radiology Simulator: Because Call Isn't Multiple Choice

Uzair Sarmast, MD
Stony Brook U Medical Center

What happened to my patient? Provider follow up of abdominal imaging findings of possible cancer

Dunbar Peter, Helen Paik MD, Darco Lalevic, Tessa Cook MD PhD, Hanna Zafar MD MHS
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