



Monday 10/04/2017

| | |
|---------------|---|
| 08:00 - 09:00 | Registration and Coffee |
| 09:00 - 09:05 | Qur'an Kareem and Opening Ceremony |
| 09:05 - 09:10 | Ministerial Welcome Address |
| 09:10 - 09:30 | Awards Ceremony |
| 09:30 - 10:15 | HIMSS EMRAM Stage 6 CEO Roundtable Steve Lieber, CEO & President, HIMSS |
| 09:45 - 14:30 | Exhibition Hall Opens |
| 10:15 - 10:40 | Coffee Break |
| 10:40 - 11:00 | Opening Keynote: Medical Imaging in Saudi Arabia Monief Eid, PACS Program Director, Ministry of Health, Kingdom of Saudi Arabia |

Medical Imaging is a growing industry in Saudi Arabia among the GCC countries, it is started with Radiology domain and expanded into others i.e. Cardiology, Dental, Pathology etc. Today Saudi Arabia has the largest install-base in the region with industry expertise. With such maturity, medical imaging is still growing and moving into Enterprise Medical Imaging Platform including the VNA. In this session, we will give an overview and focus of MOH's future plan.

| | |
|---------------|--|
| 11:00 - 11:45 | Keynote: 7 Steps to Successful Enterprise Imaging Program |
|---------------|--|

Kim Garriott, Principal Consultant, Healthcare Strategies, Logicalis Healthcare Solutions, USA

The good news is that today, the use cases for enterprise imaging are boundless and many products that enable Enterprise Imaging are sophisticated and comprehensive. With this boundless potential, comes a level of complexity that must be understood, prioritized and managed to fully leverage the value of this important investment. This requires a thoughtful and comprehensive approach. During this session, you will learn about seven steps that are key to the development of a successful, sustainable, and scalable enterprise imaging program.

11:45 - 12:15

PACS Project Management: Lessons Learned

Dr. Christopher Roth, Assistant Professor of Radiology; Vice Chair of Information Technology & Clinical Informatics , Director of Imaging Informatics, Duke Health, USA

PACS project planning and implementation will stretch resources across many groups. In information technology, groups include image management, advanced viewers, image exchange, interfaces, applications, networking, desktop device support, modality and clinical engineering, and analytics. In clinical operations, faculty and training radiologists, technologists, administration, and process engineers are key engagement stakeholders. This session will describe key lessons for successfully managing a new PACS implementation.

12:15 - 12:45

Diagnostic Imaging in Canada: Approaches, Progress and Lessons Learned

Laura Bright, Planning Co-Chair; Quality, Research & Public Health Domain, IHE International, Canada

Canada has made a lot of progress over the last 10 years in increasing the availability and use of digital health solutions. A variety of Diagnostic Imaging projects across Canada are enabling physicians and health care providers establish and maintain images as part of electronic health records for all of Canada's 34 million residents. This talk will provide a brief background DI in Canada and will include a description of the standards used and related supporting systems as well as the approach to governance, systems, standards, processes, data, practices.

12:45 - 13:15

Medical Imaging Informatics Training: Approaches & Methodologies

Herman Oosterwijk, Vice Chair, Implementation Committee, IHE; Trainer & Consultant, OTech Inc., USA

Key to the successful implementation of medical imaging informatics systems such as PACS, EMR's, enterprise image sharing and teleradiology solutions, is to have well trained professionals that can deploy, support and maintain these systems. Unfortunately, this new technology is just starting to be taught at colleges and universities, but regardless, most of the professionals that are supporting these systems have left 5+ years their formal training and therefore lack the skills and knowledgebase. Training in the form of continuous education is essential as new standards such as DICOM, HL7 FHIR, DICOMWeb and IHE are constantly evolving producing new systems that include this capability. This session will give an overview of the state-of-the art of the training options, the various certifications that are available to these professionals, identify the gaps to be filled and ends with recommendations on what and how to put a comprehensive training program in place.

13:15 - 14:15

Networking Lunch

14:15 - 14:45

EMR and RIS-PACS Viewing and Integration

Christopher Lindop, Principle Architect, Healthcare Systems and Interoperability, USA

An EMR provides physicians clinical access to the patients record. EMR Systems are generally not image-aware and rely on imaging specialty systems(RIS/PACS) to provide this capability wherever the physician has the need of reviewing images for their clinical decision making.

In the past, RIS/PACS systems required separate workstations for this capability. New imaging specialty technologies, such as Zero Footprint (ZFP) Viewers, a new technology developed specifically to overcome the EMR integration and image viewing independent of the review workstation. This new technology introduces new integration and viewing capability challenges that go beyond the previous EMR/RIS/PACS architectural environment.

Integrating the Healthcare Enterprise (IHE), in collaboration with industry and the physician community developed and published standards-based profiles to address the integration and basic viewing capability. This session will explore the challenges and standards-based solutions which can be applied.

14:45 - 15:15

MOH Saudi Arabia: Dental PACS and the Future

Dr. Dia Alnughaimish, Consultant, Restorative Dentistry; Chairman Local Committee, Eastern Region, Saudi Board in Restorative Dentistry; Program Director of Saudi Board in Restorative Dentistry, Director, Dammam Dental Center, Kingdom of Saudi Arabia

Dr. Dia Alnughaimish will be sharing her experience with dental PACs at the Ministry of Health and the vision of dental PACs in MoH.

15:15 - 15:45

IHE & Tele-Medical Imaging Exchange

Christopher Lindop, Principle Architect, Healthcare Systems and Interoperability, USA

The workflows associated with Tele-Medical Imaging Exchange are extensive. Tele-medical Imaging exchange is to provide the patient Imaging Medical Record across institutional boundaries. Workflows may target specific patient collaboration amongst providers residing across institutions or quality metrics. IHE has explored and developed profiles which support many of the tele-medicine Imaging Exchange workflows. This session will explore standards-based solutions using IHE profiles and how they will meet the challenges of providing Tele Medical Image Exchange in a multi-institutional environment.

15:45 - 16:15

VNA Implementation: Challenges & Barriers

Herman Oosterwijk, Vice Chair, Implementation Committee, IHE; Trainer & Consultant, OTech Inc., USA
Eng. Mohammed Alomair, PACS Manager, Security Forces Hospital, Kingdom of Saudi Arabia

Vendor Neutral Archives (VNA) are touted as a great solution to facilitate enterprise imaging, to provide a portal for EMR access, and being a source and destination for inter-enterprise image sharing. Almost every PACS vendor offers a VNA solution and there are also a handful of dedicated VNA vendors. However, none of them are alike as they differ

greatly in functionality and capabilities. This session will explain the different “levels” of VNA based on their functionality and capabilities, and list the major challenges with implementations and deployment of this new technology, especially with regard to synchronization of the VA with the PACS and how it fits into the workflow.

16:15 - 16:30

Tea Break

16:30 - 16:50

MOH Saudi Arabia: Breast Cancer Screening - Challenges & Barriers

Dr. Fatina Al Tahan, Senior Consultant Radiologist; Breast Imaging & Screening Specialist; Director of the National Breast Cancer Early Detection Program, Director of Cancer Control Program; Supervisor of Womens' Health, Ministry of Health, Kingdom of Saudi Arabia

16:50 - 17:10

MOH Saudi Arabia: Pathology - The Current & Future Status

Hatim Almutairi, Dept. of Medical Laboratories, General Directorate of Laboratories and Blood Banks, Ministry of Health, Kingdom of Saudi Arabia

This session will focus on the current situation of histopathology laboratories under Saudi Ministry of Health's jurisdiction. The speaker will also share methods on improving quality and the role of PACS in improving total output of pathology diagnosis.

Tuesday 11/04/2017

08:30 - 09:00

Registration and Coffee

09:00 - 13:30

Exhibition Hall Opens

09:00 - 09:45

Keynote: Change Management - Methodologies & Approaches in Healthcare

Monief Eid, PACS Program Director, Ministry of Health, Kingdom of Saudi Arabia

One of the key concerns in health care management is the management of change and adaption. Managing change is about handling the complexity of the process and people cross the organization. t's no secret that business and the way that organizations operate has changed in the last two decades. For some organizations, these changes have been fatal. They have been fatal because these organizations never managed to adapt to the new business environment and continued to apply a traditional strategy. In this session, we will focus on Change Management methodologies and approaches with some use cases.

09:45 - 10:15

Enterprise Medical Imaging Strategy & VNA

Kim Garriott, Principal Consultant, Healthcare Strategies, Logicalis Healthcare Solutions, USA

Developing an enterprise imaging strategy is an activity that requires a multi-disciplinary approach to ensure the widest level of adoption and ultimate success of an enterprise imaging program. Understanding how your clinicians acquire and use medical images today and how they want to use the images and associated meta data in the future is critical before selecting the VNA technology that will enable current and future workflows. During this session, you will learn how to develop an enterprise imaging strategy and the important considerations to evaluate while constructing the strategy. We will also discuss key factors to appraise when looking for an enterprise imaging platform, or VNA, current industry trends and examples of how others around the globe are leveraging the technologies.

10:15 - 10:45

The Ideal RIS-PACS System

Dr. Christopher Roth, Assistant Professor of Radiology; Vice Chair of Information Technology & Clinical Informatics , Director of Imaging Informatics, Duke Health, USA

Enterprise RIS and PACS are mature technologies in many parts of the world, though the configurations of systems and workflows between and around them vary considerably. The expected wins in cost reduction, functionality, usability, data integrity and analytics are dependent on the architecture. This session will outline typical architectures, required features, workflows, and integrations to information systems, resulting systems, downstream business intelligence, and other applications.

10:45 - 11:15

RIS-PACS Workflow and Challenges

Dr. Christopher Roth, Assistant Professor of Radiology; Vice Chair of Information Technology & Clinical Informatics , Director of Imaging Informatics, Duke Health, USA

Efficient design of a PACS workstation is important to radiologist workflow, work satisfaction, and timely patient care. An efficient design must integrate the patient's electronic health record, an easy to use diagnostic viewer, advanced viewing capabilities, a resulting application, communication tools, workflow support for the radiologists, and many other components. This session will outline requirements and challenges common to RIS-PACS design build.

11:15 - 11:45

Pathology Imaging Informatics: The Basics

Dr. Paul J. van Diest, Professor and Head, Department of Pathology, University Medical Center Utrecht, The Netherlands

11:45 - 12:15

IHE & Profiles

Christopher Lindop, Principle Architect, Healthcare Systems and Interoperability, USA

Integrating the Healthcare Enterprise (IHE) is a multinational healthcare IT initiative that develops and publishes domain-based Technical Frameworks consisting of internationally accepted and vendor-neutral implementations of existing healthcare IT data standards to achieve effective systems integration not only within an institution but across healthcare

community boundaries.

This session will focus on the IHE initiative, profile development and adoption, what are the new directions IHE which facilitating and how you can best leverage the IHE initiative.

12:15 - 13:15

Networking Lunch

13:15 - 13:45

The Digital Imaging Adoption Model - A Strategic Roadmap Towards Advanced Imaging

Jorg Studzinski, Senior Consultant, HIMSS Analytics

13:45 - 14:15

RIS-PACS Business Intelligence

Dr. Christopher Roth, Assistant Professor of Radiology; Vice Chair of Information Technology & Clinical Informatics ,
Director of Imaging Informatics, Duke Health, USA

Data, information, knowledge, and wisdom are critical to process and care improvement within hospitals. Imaging services being costly and common in most hospitals, business intelligence can have a particularly profound impact when utilized well. This session will outline methods of utilizing business intelligence, as well as common reports and dashboards to develop.

14:15 - 14:45

Pathology Imaging Informatics: Use Cases and Benefits from Pathology PACS

Dr. Paul J. van Diest, Professor and Head, Department of Pathology, University Medical Center Utrecht, The Netherlands

14:45 - 15:15

Enterprise Imaging Procurement

Dr. Christopher Roth, Assistant Professor of Radiology; Vice Chair of Information Technology & Clinical Informatics ,
Director of Imaging Informatics, Duke Health, USA

Clinical and technological governance are critical to ensure a long term system and modality integration. Purchases of modalities, storages, enterprise viewers, specialty viewers, image sharing platforms, and other critical technologies requires a system-wide governance view and systematic evaluation of options. This session will outline system selection and governance best practices to consider implementing.

15:15 - 15:30

Tea Break

15:30 - 16:15

MOH Saudi Arabia: Radiology Transformation - Plans, Challenges & Barriers

Dr. Yasser Assiri, PET/CT-MRI Consultant Radiologist; Consultant in Strategic Transformation Centre, Ministry of Health, Kingdom of Saudi Arabia

16:15 - 16:40

MOH Saudi Arabia: PACS - Lessons Learned

Dr. Abdul-Aziz Almosabihi, Consultant Radiologist & Neuroradiologist, King Saud Medical City; Assistant General Director of Radiology & Allied Services, Ministry of Health, Director, North Riyadh Hospital, Kingdom of Saudi Arabia