Managing Practical Issues in PACS/RIS, DICOM, HL7 Training Workshop

Great learning to the complex imaging problems to improve efficiencies and streamline workflows

(Main focus will be on Practical Exercises and Group Activities)

April 24–27, 2017
Hotel Towers Rotana, Dubai | UAE

By
ACS INC., Phoenix, USA

After conducting FIVE EXTREMELY SUCCESSFUL courses on PACS, ACS announces its 6th course on the subject with 60% focus being placed on HANDLING PRACTICAL ISSUES, GROUP DISCUSSIONS AND HANDS ON SESSIONS to help participants learn to overcome operational challenges encountered on wide array of imaging systems while pursuing safety, efficiency and reliability benchmarks.

Gain an Insight into:

- DICOM Object Exercises (tag and sequence modification, validation, etc.)
- DICOM Basic Communication Exercises (design, Echo, Query, Store, Retrieve, Move)
- HL7 messages Exercises (Recognition, modification and validation of HL7 messages)
- HL7 communication exercises (Sending/receiving HL7 messages, troubleshooting)
- DICOM Advanced Communication Exercises (Print, Worklist, MPPS, Storage Commitment)
- Radiology workflow exercises (Simulating a real DICOM and HL7 network, etc.)
- Evaluation of a DICOM and HL7 conformance Statement
- PACS-RIS cloud based systems and integration challenges

Trainer

Andrea Poli
Contract Professor, University of Trieste, Italy
PACS Implementation Expert
Lead Trainer on Standards & Interoperability

10% Discount for registrations till 30th Mar., 2017

training@acsmb.com | www.acsmb.com/training
Training Objectives
This course aims to give knowledge of PACS/RIS, DICOM and HL7 standards in particular regarding connection, integration and troubleshooting. The training will be hands-on based, that means that 60% of the course will be spent on group discussion, hands-on exercises and problem solving.

Benefits
- Special focus on group discussions, hands-on exercises and problem solving practice to get an in-depth insight of standards and communication
- Understanding PACS/RIS, DICOM, HL7 communication
- Optimize fostering integration and interoperability
- Solutions to the potential issues in the hospital network

Who Should Attend?
- PACS/RIS Administrators
- IT experts/clinical staff with knowledge of medical standards
- Biomedical Imaging Professionals
- Biomedical Engineers
- Radiology Department Managers/Radiographers
- IT Managers
- Clinicians

Healthcare Facilities to Attend
- Health Ministries
- Health Authorities
- Medical Cities
- Private Hospitals
- Imaging & Diagnostic Centres

What is Included?
- Presentations & Lectures
- Group discussions
- Workshop, Exercises & use cases
- Certificate of Achievements
- Course material & Handouts
- USB device with all material
- Study binder
- International buffet Lunch with coffee/tea breaks

Andrea Poli
Contract Professor, University of Trieste, Italy
PACS Implementation Expert
Lead Trainer on Standards & Interoperability

Andrea is an experienced trainer and is a Professor at University of Trieste on “Standard and interoperability in health”. He has a background in Biomedical and Clinical Engineering and started his working experience within the BioEngineering and ICT Group of the University of Trieste in 2003.

His main activity was to develop open solutions for image and data management. In 2006, he became the technical director for a Consortium Project that was aimed to offer a suite of open modules for the healthcare sector. In 2007, due to his experience in integration and his participation to two IHE European Connectathons, he started to teach at the University of Trieste in the course of “Medical Informatics” on the module “Standard and interoperability in health”.

He has run successfully many PACS implementation projects, including migration, integration and customization. He was the project manager of two of the most important projects in Italy for image sharing at Regional level: “image on the net” project of Regione Piemonte (Italy), in which more than 6 hospitals with different PACSes and RISes were interconnected to each other for sharing images and reports through an open infrastructure based on XDS and Enterprise level solutions. “Regional PACS project” of Regione Friuli Venezia Giulia (Italy), in which 10 hospitals and other clinics are integrated to each other sharing images and reports.

Course Pre-requisite
The attendees should have a basic experience on DICOM and HL7, that means that they should know the difference between the standards, how a basic object is created. In addition the should have simple knowledge on radiology workflow.

Each attendee should have a laptop with preferably Windows or Mac with latest version of Java installed.

Course Fee $2440/Participant

Individual
Book earlier & get 10% Discount on each & pay USD 2196/participant

Corporate (Group Discount)
10% Discount on minimum of 3 Participants

For registration & all other inquiries, email us at training@acsmb.com
Managing Practical Issues in PACS/RIS, DICOM, HL7

Course Schedule

Day 1 - Monday 24th, April 2017

Opening Session
- Presentation
- Course details
- Presentation of attendees

Introduction

DICOM Introduction
- Standards DICOM Objects (Images)
- Hierarchical structure
- Transfer syntax, Commands, Data sets Compression techniques
- Handshake and communication initialization
- Complex DICOM Objects (KID, PS, Reports)
- DICOMSOP classes

HL7 V2 Introduction
- Communication
- Message types, Events
- Segments
- Fields and data type

Basic Radiology workflow
- Patient, Order, Images, Report
- Interfaces between HL7 and DICOM

Day 2 - Tuesday 25th, April 2017

Basic Radiology workflow
- Patient, Order, Images, Report
- Interfaces between HL7 and DICOM
- Group discussion on Error management

DICOM Object Exercises
- Recognition of different DICOM Objects
- Modification of tag and sequences
- DICOM Object validation

DICOM Basic Communication Exercises
- How to design a DICOM network
- Echo, Query, Store, Retrieve, Move exercises
- DICOM Communication troubleshooting

Day 3 - Wednesday 26th, April 2017

PACS/RIS
- Relevant technical considerations on RIS and PACS implementation software
- PACS-RIS trends including cloud based systems

HL7 Messages Exercises
- Recognition of different HL7 messages
- Modification of information and creation of personalize messages
- HL7 messages validation

HL7 Communication Exercises
- Sending and receiving HL7 messages
- HL7 communication troubleshooting

Day 4 - Thursday 27th, April 2017

DICOM Advanced Communication Exercises
- Print, Worklist, MPPS, Storage Commitment

Radiology Workflow Exercises
- Simulate a real DICOM and HL7 network with RIS, PACS, MODALITIES, VIEWER
- Errors management and troubleshooting

Evaluation of a DICOM Conformance Statement

Evaluation of a HL7 Conformance Statement

Final Test & Certificate Distribution

Great Opportunity - Can’t afford to Miss it.

Developing an understanding of day to day operational issues through well-thought-out and properly worked-out exercise and group activities will be a “NEVER TO MISS OPPORTUNITY” Over the past decades, the healthcare industry has experienced dramatic advancement in IT and imaging systems. Integration of core systems and the communication protocols connecting them have continued to mature, thereby enhancing workflow efficiency and the quality of patient care.

It is essential to learn & get updates on the strategic approach needed to address the operational challenges being faced by the end users on varying imaging systems while pursuing safety, efficiency & reliability benchmarks and the challenges to evaluate the success of the PACS.

Great opportunity to share and discuss your PACS/RIS, DICOM, HL7 and Integration related practical

Pre-Course Questionnaire

In order to help us understand more on your training requirements and the quality expectations, we will ask you to fill up the pre-course online questionnaire, which will be analyzed by the course facilitator for the quality purpose.

In-House Training Offer

We deliver the ultimate solution to meet your customised objectives, cutting your training costs and dramatically improving your organisation’s performance in a fast-paced evolving world.

For all other inquiry, please contact to Syed Rehan Ali at training@acsmb.com
PLEASE COMPLETE THIS FORM AND SEND BACK TO US:

**SYED REHAN ALI**
training@acsmb.com

Registration Details:

1.) Name __________________________
Position _______________________________________________
E-mail ____________________________________________

2.) Name __________________________
Position _______________________________________________
E-mail ____________________________________________

3.) Name __________________________
Position _______________________________________________
E-mail ____________________________________________

4.) Name __________________________
Position _______________________________________________
E-mail ____________________________________________

Organization ____________________________________________
Address _______________________________________________
City ____________________________________________ Country __________
Tel. __________________________ Fax ____________________________________________

Nature of Business

Authorization:
Signature __________________________ Date _________________

Position _______________________________________________

This booking is invalid without signature.
Signatory must be authorized to sign on behalf of contracting organization.

Training Fee:
Book till 26th September, 201x & pay USD 2,999 (Per Participant)
Book after 26th September, 201x USD 3,110 (Per Participant)

GROUP DISCOUNT: Book 03 or more participants to get 10% additional savings on existing price.

Payment Method:
Credit Card/Debit Card
Please charge my: □ MasterCard □ VISA □ AmEx

Card Holder’s Name __________________________ Security Code __________
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Confirmation Details:
Upon receipt of payment, an acknowledgement will be sent, which if you don’t receive along with joining details, please contact us at training@acsmb.com

Hotel Accommodation:
Accommodation is not included in the training fee. To reserve the room with special corporate discounted rates at the training venue Towers Rotana, Dubai, please email Ms. Jenny at res.towers@rotana.com or call her at +971 4 312 2302 and mention ACS Training Workshop.

NOTE: Corporate rates are available for limited rooms only.

Terms and Conditions:
Arizona Computer Services (Pvt.) Ltd.
Training fee is inclusive of lectures, program material, USB, certificate, lunch and refreshments.

Payment Terms: Following completion and return of the registration form, full payment will be required within 5 days from the receipt of invoice. Payment must be received prior to the training date. An acknowledgement of payment receipt will be issued. Due to limited number of training slots, we would suggest you to get yourself registered at the earliest to avoid disappointment.

Cancellation/Refund: Cancellation fee will be charged as per terms outlined below. The company reserves the right to refuse admission if payment is not received on time.

Enrollee: If the enrollee cancels the course, following will be the refund policy:

- 75% refund if course/training cancelled 15 days or more prior to start of the training.
- 50% refund if course/training cancelled 10 days prior to start of the training.
- NO refund if course/training cancelled within less than 10 days prior to start of the training.

ACS: The company reserves the right to cancel the course. In such case, 100% amount would be refunded to those who enrolled for that course.

Copyright, etc.: All intellectual property rights in all material produced or distributed by ACS in connection with this training are expressly reserved and any unauthorized duplication, publication or distribution is prohibited.

The client hereby acknowledges that he/she specifically authorizes ACS to charge the credit card listed for the amount provided herein; that this contract is valid, binding and enforceable; and that he/she has no basis to claim that any payment required under this contract at any time is improper, disputed or unauthorized in any way.

The client acknowledges that they have read and understood all terms of this contract, including without limitation, the provision relating to cancellation.

NOTE: 2.9% charges inclusive for online payment.