

One-Day Seminar

# PRACTICAL PACS

Instructor:  
Alexander Tune, MBA, RT(R), CIIP

Montreal, QB  
November 13, 2010



# MTMI

Medical Technology  
Management Institute

**MOHAWK**  
COLLEGE



## About the Seminar

This seminar is designed to explore PACS (Picture Archiving & Communication Systems) and other radiology specific systems used in digital imaging. The Transition to PACS has affected all aspects of radiology operations and technologists need to know what to expect in order to make the transition successful. Now more than ever, the role of the technologist is expanding from just taking x-rays to becoming an integral part of the radiology operation. You can update your skills and improve your understanding of how to work with this technology. This seminar will help you prepare for the challenges that technologists face today as well as new challenges on the horizon. This seminar will also help prepare you for the CIIP (Certified Imaging Informatics Professional) exam accredited by the ARRT.

## Who Should Attend

- Radiologic Technologists
- IT personnel attending
- PACS professional

## Objectives

*At the completion of this seminar, participants will:*

- Identify the major components of a PACS, their functions and common terminology.
- Understand common PACS connectivity issues.
- Understand common integration issues in radiology.
- Understand common workflow issues with PACS.
- Describe the basics of networking in a radiology department and how image and demographic data is transmitted.
- Help plan a PACS deployment project.
- Prepare for the CIIP exam.

## About the Instructor

### Alexander Tune, MBA, RT(R), CIIP

Alexander holds a master's degree in business administration from St. Joseph's college, numerous IT certifications as well as the American Board of imaging informatics certification recognized by the ARRT. He has over 13 years experience in diagnostic radiology including positions as a staff technologist and as a supervisor. He is currently the Radiology IT Manager for a continuously expanding health network in New York City which includes two level one trauma centers. Mr. Tune has faced many challenges in successfully integrating enterprise scale radiology networks and integrating radiology with other ancillary and hospital wide systems. He has worked with a large variety of hardware and software from major vendors. Due to his experience as a staff technologist and supervisor, Alex can teach you what technologists need to know about working with PACS. He will share his knowledge of making everything work together in a growing, changing, increasingly complex and interdependent digital environment.



## Continuing Education Credit

This program provides **8 hours of Category A continuing education credit** recognized by the ARRT for radiologic technologists. A certificate of attendance will be provided for each individual upon completion of the seminar. All attendees must attend the entire seminar to receive full credit.

## Seminar Schedule

- 8:00 am **Registration and Coffee**
- 8:30 am **Digitization**
- Systems and terminology
  - Digitization and quality factors
- 9:00 am **CR vs. DR**
- Advantages and disadvantages
  - Workflow differences with CR and DR
- 10:10 am **Informal Discussion and Break**
- 10:20 am **PACS**
- PACS architectures and components
  - Considerations when implementing PACS
  - Integration with RIS and other systems
  - What technologists need to know
- 12:00 pm **Lunch (on your own)**
- 1:00 pm **Networking and Computer Basics**
- Network protocols and the internet
  - OSI network model
  - Troubleshooting
- (who to call and what to say)
- 2:00 pm **Informal Discussion and Break**
- 2:10 pm **DICOM and HL7**
- How images get stored and recalled**
- DICOM and HL7 basics
  - Common issues and what you can do to resolve them
  - HIPAA and medical legal considerations
  - Downtime and the technologists role in making it less painful
- 4:30 pm **Adjourn**



I am pleased with the agenda and I thought Alex had a thorough understanding of RIS/PACS. He has an outstanding knowledge base on all the agenda topics.

Deb, RT(R)  
attended in Boston, MA  
on 10/17/09

Excellent job!  
Informative and entertaining. Wish I had seen this seminar before I had taken the CIIP exam!

Beth, RT(R). CIIP  
also attended in  
Boston, MA  
on 10/17/09

## Sponsorship

This seminar is jointly sponsored by Mohawk college and **MTMI**. A partnership has been formed between Mohawk College and **MTMI** to bring **MTMI**'s popular continuing education seminars for technologists to Canada. This is one of a number of future opportunities for technologists to update their skills and earn continuing education credit. Let us hear from you about the types of programs you would like us to bring to your area.

## Registration

To register for this seminar, complete the registration form and:

- ♦send it with your tuition to Mohawk College Enterprise, or
- ♦call (905) 667-6230 using MasterCard or Visa, or
- ♦fax (905) 667-6231 the form with credit card information.

The tuition for this seminar is \$239 CAD (**MTMI** members \$219) per person. A special advance price for those registering and paying prior to 14 days before the seminar is \$219 CAD (**MTMI** members \$199).

- ♦Refunds, minus a \$40 CAD processing fee will be granted for cancellations received prior to 3 days before the seminar.
- ♦Cancellations received within 3 days of the seminar will receive a credit toward a future Mohawk College/**MTMI** seminar, minus the \$40 CAD processing fee. No refunds will be made after the seminar.

Mohawk College/**MTMI** reserves the right to cancel any scheduled seminar due to low advance registration or other reasons. **MTMI**'s liability is limited to a refund of any program tuition paid.

**Registration Discounts:** Group discount for a group from one facility registering at the same time: 3-5 attendees 5%; 6 or more attendees 10% (discount is not applicable if the tuition is paid by purchase order). For student rates, contact **MTMI**. Members of **MTMI** receive a 10% discount. Only one discount may be applied.

Visit Mohawk College's web site at: <http://www.mohawkcollegeenterprise.ca>

Visit **MTMI**'s web site at <http://www.mtmi.net>

Registration Form

Practical PACS

11/13/10 - Montreal, QB

Please Print Clearly - This is how your name will appear on your certificate.

Name: \_\_\_\_\_ degree/title \_\_\_\_\_

Home Address \_\_\_\_\_ City \_\_\_\_\_

Province: \_\_\_\_\_ Postal code: \_\_\_\_\_ e-mail \_\_\_\_\_ e-mail address used only for notification of future programs

Day phone ( ) \_\_\_\_\_ Eve. phone ( ) \_\_\_\_\_ FAX ( ) \_\_\_\_\_

Credit Card Number: \_\_\_\_\_ Master Card Visa Check

Expiration Date \_\_\_\_\_ Signature \_\_\_\_\_

**Please enclose payment to Mohawk College Enterprise in the form of check or credit card:**

\$42.50 CAD Yes! Enroll me in an Annual **MTMI** membership (discount effective immediately)

Regular price:  \$239 CAD (**MTMI** members \$219 CAD) - within 14 days of seminar

Advance price:  \$219 CAD (**MTMI** members \$199 CAD) - 14 days before seminar

Group discount:  3-5 attendees (5%) (must register together)

6 or more attendees (10%) (must register together)

Return to: **Mohawk College Enterprise**

**101A-175 Longwood Road South, Hamilton, ON L8P 0A1**

**☎ 905-667-6230 Fax: 905-667-6231**



Call 800-765-6864  
2 weeks before the  
seminar if you have  
special needs.

**Your satisfaction with **MTMI** programs is guaranteed, a guarantee we are confident you won't need to use.**

## Membership

Membership in the Medical Technology Management Institute includes:

- discounts on **MTMI** services
- member newsletter
- web access to **MTMI** records
- yearly transcripts
- special benefits throughout the year exclusive to members

Joining **MTMI** with this registration qualifies you for the member price. Check the membership box  on the registration form or call **MTMI**. Annual membership dues for technologists are \$42.50 CAD. **Seminar discount effective immediately.**

## Location & Accommodations

Specific location and accommodation information will be listed on the website as soon as arrangements have been made.

Please go to:

<http://www.mtmi.net> or

<http://www.mohawkcollegeenterprise.ca>

or call

800-765-6864