

WORLD RADIOGRAPHY DAY 2023

INTERNATIONAL DAY of RADIOLOGY 2023

CONFERENCE

Theme

Radiography: Past, Present & Future

Speakers

Mr Anthony Chan

Subject Matter Expert, Health Bureau

Mr. SP Chang

Retired Radiotherapy Superintendent & School Principal

Dr. Vincent Wu

Adjunct Associate Professor, PolyU

Dr. Kris Mar

Regional Medical Lead, Bayer HealthCare Ltd

Dr. Christopher Lai

Associate Professor, Singapore Institute of Technology

Dr. Curtise Ng

Senior Lecturer in Medical Imaging, Curtin University

Registration

QR code



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Remarks

- Participants can choose to attend either in person or online.
- Radiographers CPD 3 credits, CMD pending (onsite participants only)
- Onsite Seats are limited. Priority given to HKRA, HKART members, PolyU staff, and students.

 4 Nov, 2023

 2:30pm - 5:30pm

 TU201, PolyU

Features

- Talks by Distinguished Speakers (Online / onsite)
- Info and Game Booths by PolyU (starts at 0930)
- Radiography Students (Onsite only)
- Gifts and Refreshment (Onsite only)

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Radiography: Past, Present & Future

Time: 2:30-3:00pm Speaker: Mr. Anthony Chan

Topic: Hong Kong Diagnostic Radiographer Practice: Past, Present and Future

Abstract: The roles and responsibilities of Hong Kong Diagnostic Radiographers (DR) have evolved continuously. In the old days, we shouldered all round radiology (x-ray) duties, including roles of nursing, film processing and clerical apart from operating x-ray machines. We normally do-as-told by the radiologists and clinicians, so working more like technicians than technologists. With the increase of radiology service scopes, roles of DR expand drastically. When the on-job and the institutional trainings matured, some hospitals allow DR to work independently in some imaging specialties. But where should we go and how should we go to extend the DR roles in the future? All lie in your heart and mind.

Time: 3:00-3:40pm Speaker: Mr SP Chang / Dr. Vincent Wu

**Topic: Radiotherapy in Hong Kong 1960-1980 (1) /
Radiotherapy development after 1980 (2)**

Abstract:

(1)

The birth of radiotherapy service in Hong Kong took place in the early 1960's. The founder of radiotherapy can be traced back to Professor Ho Hung Chiu John, who had a vision to install modern radiotherapy equipment and to send people to be trained as radiotherapists (doctors) and therapeutic radiographers (radiation therapists). This presentation is an oral history to highlight the development of radiotherapy in the early 1960s to 1980, mainly involving the radiotherapy departments in QMH and QEH.

(2)

Radiotherapy in Hong Kong has been constantly evolving in terms of technology, mode of services and manpower training in response to the changing community and increasing demand of better service standard. This presentation highlights the development of radiotherapy in the clinical environment as well as training of radiation therapists since 1980.

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Radiography: Past, Present & Future

Time 4:10-4:40pm Speaker: Dr. Kris Mar

Topic: Radiographic Contrast Media past, present and future

Abstract: Advances in medical imaging have revolutionized diagnostic procedures, enabling precise and accurate assessments of various pathological conditions. Contrast media play a crucial role in enhancing image quality and highlighting specific anatomical structures or pathological processes. Among the commonly used contrast agents, iodinated and gadolinium-based contrast media continue to dominate the field. This lecture aims to provide an updated overview of the guidelines and evidence surrounding the safety of iodinated and gadolinium contrast media. Recent 2023 ACR guidelines regarding the administration and safety of contrast media are presented, addressing key considerations such as patient factors, contrast media selection, renal safety, and pregnancy. The lecture further delves into the updated evidence on the nephrotoxicity associated with iodinated contrast media, discussing risk factors and prevention strategies to minimize the risk for patients

Time: 4:40-5:10pm Speaker: Dr. Christopher Lai

Topic: Equipping future-ready diagnostic radiographers in Singapore

Abstract: In this presentation, Christopher will share the past, present and the future of radiography in Singapore from an educator perspective.

Time: 5:10-5:40pm Speaker: Dr. Curtise Ng

Topic: AI in Radiography: Present & Future

Abstract:

Medical imaging (MI) is an indispensable part of modern healthcare. However, most of the modalities use ionizing radiation for image acquisition with unclear risk. Hence, "as low as reasonably achievable" (ALARA) has become the fundamental principle of radiography practice. Recently, artificial intelligence (AI) has been introduced into MI for using the lowest radiation dose to produce images but still able to meet minimal diagnostic requirements (dose-image optimization). This presentation will examine the concepts of AI, machine learning and deep learning (DL) with a particular focus on current and future DL research and commercial applications in dose-image optimization.