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President's Jotting

Dr. Law Chun Key

The Golden Week of the College with Joint Examinations, Joint Admission Ceremonies and Annual Scientific Meeting is drawing near, and the College workload will soon reach its annual climax. For the Ho Hung Chiu Lecture on 27 October, I am glad and grateful that Prof. Joseph J.Y. Sung, SBS, JP, Vice-Chancellor and President of The Chinese University of Hong Kong, has kindly accepted to be the Orator and deliver the lecture entitled "Radiology and Endoscopy: Friends or Foes?". Do mark your diary and join us for these important occasions, including the Dinner of the Colleges.

In the last issue of Newsletter, I mentioned about our Hong Kong representation at International Assembly of International Society of Radiology (ISR) held during the International Congress of Radiology (ICR 2012) in Sao Paulo, Brazil, on 3-6 May 2012. At the meeting, Dr. Lilian Leong had met Prof. Feng Xiao-yuan, the Executive Committee Member of the International Society of Radiology and Chairman of the Chinese Society of Radiology. Both saw a pressing need to reinforce the link of young radiologists between Mainland China and Hong Kong, through a closer bonding

*We saw a pressing need
to reinforce the link of young radiologists
between Mainland China and Hong Kong*



between the Chinese Society of Radiology and our College. Shortly afterwards such thought was translated into action - a dinner for Prof. Feng hosted by our College with some local young radiologists was arranged on 27 June 2012, when Prof. Feng was on an occasional visit to Hong Kong. That night, Dr. Leong and I had invited Prof. Feng to join our coming 20th ASM, to help forge the goal of the furtherance and advancement of radiological education and development.

On examination matters, we noted that from Spring 2013 onwards, material for the oral component of the Final FRCR

Part B examination in Clinical Radiology in UK would be presented digitally on computer screen, rather than using films and light boxes. Meanwhile the RCR is also planning to change the viva part of Final Part B Examination in Clinical Oncology to electronic format. It is hoped that we will have a clearer picture after the Joint Meeting with RCR officials in October 2012. We anticipate that upgrading our software / hardware would become unavoidable. Next year, the College will organize the Third Palliative Medicine Board Examination in March.

On external affairs, our College continued to foster closer ties with fellow Societies and Colleges outside Hong Kong. I have just represented the College at the 46th Malaysia-Singapore Congress of Medicine organized by the Academy of Medicine of Malaysia in Kuala Lumpur, Malaysia on 12-14 July 2012. Other overseas meetings included the Council Meeting of the Officers and National Delegates of the Asian Oceanian Society of Neuro-radiology and Head & Neck Radiology (AOSNHNR) and the 8th Asian Oceanian Congress of Neuro-radiology (AOCNR 2012) in Bangkok, Thailand on 31 July – 3 August 2012, represented by Dr. Lilian Leong and Dr. Wong Yiu Chung, and the 14th Asian Oceanian Congress of Radiology (AOCR) combined

with the 63rd Annual Scientific Meeting of the Royal Australian and New Zealand College of Radiologists (RANZCR) in Sydney, Australia on 30 August – 2 September 2012, which Dr. Leong and Dr. Stephen Cheung would attend.

I would like to end this short Jotting by thanking once again all members of the Council, Committees, Subcommittees and our Secretariat team, led by Ms. Karen Law. The team has been working extremely hard to tackle the Examination registration issues and after busily preparing for the AGM on 18 September, would go for the Golden week in October without a rest. Please do give them all the support!

Wish you all every success. 🍀



Message from the Editor

Dr. Lui Chun Ying

Starting from this issue, there is a series called 'Looking Back: Highlights from the History of Radiology' in the Leisure Corner prepared by Dr. Shiobhon Luk. The first article revisits the discovery of X-ray and history of radiography. Many more interesting topics will be covered in the following issues. If you have any idea or valuable information concerning history of radiology, please don't hesitate to share with us.

In this issue, we also reported many important College functions and various educational activities organized by the College in the past few months.

Did you have a closer look at the College mace? Do you know the background and details of President's Badge of Honour, the Warden's Badge of Honour or the Vice President's Badge of Honour? This

issue's Do You Know brings you the interesting details behind. If you'd like to see them in person, do register and come to the Joint Ceremonies for Admission of New Fellows and the 13th Ho Hung Chiu Lecture on 27 October 2012. See you all there! 🍀



HONG KONG COLLEGE OF RADIOLOGISTS

PALLIATIVE MEDICINE BOARD EXAMINATION

EXAMINATION ANNOUNCEMENT 2013

| Palliative Medicine Board Examination | |
|---------------------------------------|-----------------------------------|
| Date of Oral Examination | 14 March 2013 |
| Application Closing Date | 14 January 2013 – 6:00p.m. |
| Examination Fee | HK\$14,000 |
| Examination Venue | Hong Kong |
| Apply to | Hong Kong College of Radiologists |

NOTES

1. Please read the Guidance Notes for Examination Candidates carefully before submitting an application. This document contains important information to assist with submission of an acceptable application.
2. Applicants should have completed the Palliative Medicine Subspecialty Training Programme of Hong Kong College of Radiologists and submit the following documents to the Secretariat Office of Hong Kong College of Radiologists for application:
 - i. Completed application form
 - ii. Letter(s) from supervisor(s) commenting on candidate's performance during his/her clinical training in palliative medicine and certifying the periods of palliative medicine subspecialty training and higher specialist training in clinical oncology after passing Part II Fellowship Examination in Clinical Oncology of Hong Kong College of Radiologists
 - iii. The Case Portfolio Learning, unless exempted
 - iv. The Audit report, unless exempted
 - v. Three hard copies of your dissertation of not less than 5,000 words and not more than 20,000 words, together with an electronic copy on a CD-ROM
3. Cheque for the Palliative Medicine Board Examination of Hong Kong College of Radiologists should be made payable to "Hong Kong College of Radiologists".
4. Please address any queries, correspondence and application forms concerning the Examination to Hong Kong College of Radiologists.

Hong Kong College of Radiologists
Room 909, 9/F, Hong Kong Academy of Medicine Jockey Club Building
99 Wong Chuk Hang Road, Aberdeen, Hong Kong SAR
Telephone: (852) 2871 8788
Facsimile: (852) 2554 0739
E-mail: enquiries@hkcr.org

Do You Know

Dr. Julian Fong

Princess Margaret Hospital

The *College Mace*, *Badges of Honour*, and *College Gavel* symbolize the authority of our College. Every year in the Admission Ceremony, the President, Senior Vice-president, and Warden wear their respective Badge of Honour, followed by Dr. William Foo holding the College Mace marching into the grand hall. This solemn scene is familiar to all of us, but do you know each Badge of Honour actually has its own design? What is the motif that etched on the wooden handle of the College Mace? In this issue, let us share with you the details.

President Badge of Honour



Original

- ✦ Words engraved at the back:
Inaugurated on 12 September 1992
Founding President
Dr. Lilian Leong

- ✦ The original badge was donated by Dr. Lilian Leong in 1992. But because of the tarnished surface after years of usage, Asprey & Garrard, one of the world's oldest jewellers in London, was commissioned by the College to design and make a new one together with the College Mace in 1999.
- ✦ Made of sterling silver gilt and enamel on purple ribbon, 74mm in diameter



Warden Badge of Honour



- ✦ Designed and Donated by The Royal College of Radiologists
- ✦ Made of sterling silver gilt and enamel on red ribbon, 78mm in diameter
- ✦ Presented to our College by Prof. Oscar Craig, President of The Royal College of Radiologists during the HKCR Inaugural Ceremony on 12 September 1992

Senior Vice-President Badge of Honour



- ✦ Donated by The Royal Australasian College of Radiologists
- ✦ Presented to our College by Prof. Michael Sage, Warden of The Royal Australasian College of Radiologists during the HKCR Inaugural Ceremony in 1992



- ✦ Made of gold gilt on purple ribbon, 74mm in diameter
- ✦ Words engraved at the back:
*Donated by
The Royal Australasian College
of Radiologists
1992*

College Mace



- ✦ Made of sterling silver and Ebony wood by Asprey & Garrard, London in 1999
- ✦ HKCR logo was printed on the head of College Mace



- ✦ Silver motifs etched on the wooden handle are "orbiting electrons", which represent the central portion of our College logo and the origin of imaging and therapeutic technology employed in Radiation Medicine



College Gavel



- ✦ Gavel and base made of wood
- ✦ Represents the authority of the chairperson in the council or other important meetings such as AGM or EGM
- ✦ Is used to call for attention or pronounce final decision in a meeting

Hong Kong College of Radiologists

Revised Schedule in collecting Subscriptions and handling Outstanding Subscriptions

(Effective from 2013 Annual Subscription)

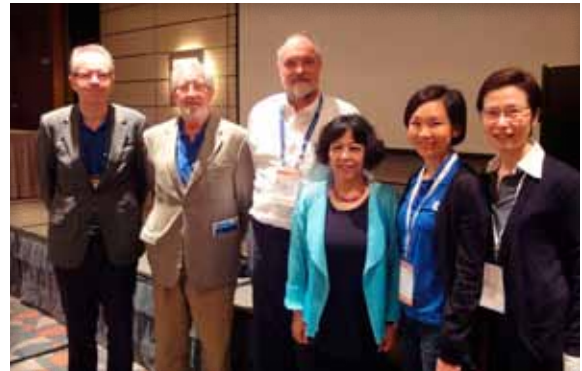
| Date | Action |
|----------------------------|--|
| Mid November (-1.5 months) | Issue of notification of payment to all members (due date : January 1) |
| January 1 (0 month) | Subscription due date. |
| March 1 (2 months) | <u>Issue of first reminder</u> (by ordinary mail) to members whose payments have not yet been received by the end of February . Warning of addition of 30% surcharge for payments received after the end of March 31 and cessation of membership rights and privileges after March 31 . |
| April 1 (3 months) | End of grace period. Cessation of membership rights and benefits for those with still outstanding subscriptions. A 30% surcharge will be added to all outstanding subscriptions received on this date or before June 30 . |
| June 1 (5 months) | <u>Issue of second reminder</u> (by double registered mail) to those with outstanding subscriptions : A 30% surcharge will be added to all outstanding subscriptions received before June 30 . Warning of 50% surcharge for payments received after June 30 . |
| July 1 (6 months) | A 50% surcharge will be added to all outstanding subscriptions received on this date or before September 30 . |
| September 1 (8 months) | <u>Issue of third reminder</u> (by double registered mail) to those with outstanding subscriptions : A 50% surcharge will be added to all outstanding subscriptions received before September 30 . Warning of 100% surcharge for payments received after September 30 . |
| October 1 (9 months) | A 100% surcharge will be added to all outstanding subscriptions received on or after this date . |
| December 1 (11 months) | <u>Issue of final reminder</u> (by double registered mail) to those with outstanding subscriptions : A 100% surcharge will be added to all outstanding subscriptions received on or after this date . |
| January 1 (12 months) | Termination of membership |

2nd IDKD Intensive Course in Hong Kong

Dr. Yeung Tse Hang Jessie
Princess Margaret Hospital

In collaboration with Hong Kong College of Radiologists and The University of Hong Kong, the 2nd IDKD Intensive Course in Hong Kong was successfully held during 16-19 June 2012. IDKD – International Diagnostic Course Davos – offers excellence in teaching through interactive teaching workshops, highlight lectures and IDKD online cases on organ-based challenging topics. The topic of this course was “Diseases of the Abdomen and Pelvis”.

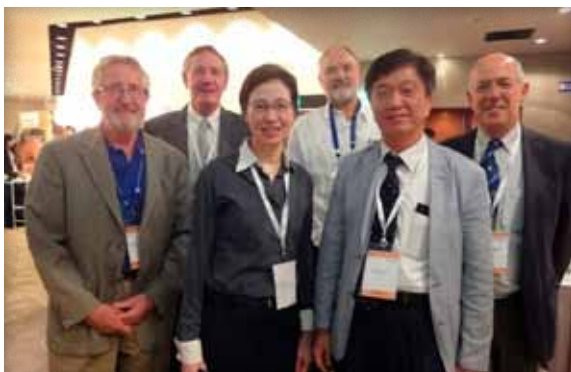
This three and a half-day course brought together renowned overseas and local speakers to share their experience on various exciting topics. After the welcoming introduction by Dr. Lilian Leong, the Founding and Immediate Past President of Hong Kong College of Radiologists, Dr. Judy Ho



From left to right: Dr. Juerg Hodler, Dr. Christoph L. Zollikofer, Prof. Gustav K. von Schulthess, Dr. Lilian Leong, Prof. Khong Pek Lan, Dr. Jennifer Khoo

shared with us the imaging needs of the surgeon for colorectal cancer, while Dr. Christoph L. Zollikofer enlightened us on the new perspectives on pelvic vein congestion syndrome with his lecture. On 17 and 18 June, Prof. Khong Pek Lan gave her lecture on ‘Imaging of Paediatric Abdominal Emergencies’, while Dr. Choi Byung Ihn updated us on the classifications and imaging correlations of cholangiocarcinoma. An interactive teaching program was offered through 14 different workshops, covering the imaging approach to diseases of the abdomen and pelvis, all conducted by expert radiologists.

The 3rd IDKD Intensive Course in Hong Kong will be held during 9-12 May 2013. This course will cover diseases of the chest and heart. We look forward to its excellence in teaching. ✍



Back row (from left to right): Dr. Richard Baron, Prof. Gustav K. von Schulthess, Dr. Philippe Lefere
Front row (from left to right): Dr. Christoph L. Zollikofer, Dr. Jennifer Khoo, Dr. Choi Byung Ihn



The audience enjoyed the workshops and lectures in a comfortable, well-equipped venue.

Dinner Gathering with Professor Feng Xiaoyuan

Dr. Au Yeung Wai San Andrea
United Christian Hospital

On Wednesday 27 June 2012, our College President Dr. Law Chun Key hosted a dinner with Professor Feng Xiaoyuan, Chairman of the Chinese Society of Radiology and Chief of the Department of Radiology, Huashan Hospital, Fudan University. Dr. Lilian Leong and some local young radiologists joined in this special occasion.

Professor Feng is a world renowned radiologist, prolific scholar and the editor of several prominent scientific journals including China Medical Imaging Technology. He is also the Dean of Fudan University Shanghai Medical School and Vice-President of Fudan University, taking active roles in promoting educational exchanges and establishing partnerships with international institutions.

During the evening, many aspects of medical education and radiology training were discussed.

We learned with interest from Professor Feng the current status of radiology training, career structure and research opportunities in China. We also gained insights into the operational model and funding for radiology departments in China, and the implications for service provision.

At the end of the evening, Professor Feng highly commended the efforts of our junior members in the promotion and participation of College activities. He warmly invited us to join him in this year's Congress Meeting of the Chinese Society of Radiology, to be held in Chengdu on 18-22 October. He also proposed various possibilities for future collaborations between radiologists from Hong Kong and China, and opportunities for exchange visits. It was a truly enjoyable and insightful evening, and we sincerely hope that this would be the first of many meetings to come. ✎



Back Row (from left to right): Dr. Adrian Lo, Dr. Lawrence Tee, Dr. Sherwin Lo, Dr. Karry Lam, Dr. Siu Kwong Lok, Dr. Andrea Au Yeung, Dr. Ophelia Wai
Front Row (from left to right): Dr. Elaine Kan, Dr. Law Chun Key, Prof. Feng Xiaoyuan, Dr. Lilian Leong, Dr. Julian Fong

46th Malaysia-Singapore Congress of Medicine, Kuala Lumpur

Dr. Law Chun Key

President, Hong Kong College of Radiologists



Seated (left to right):
Rasman Jarrin, Anthony Heng, Victor Lim, Look Lai Meng, P. Kandassami, Lin See-Yan, Chiang Keng Wai, DYT Raja Muda Perak Darul Ridzuan Raja Dr Nazrin Shah, Lim Shih Hui, Raymond Liang, N. Arumugam, Khoo Kah Lin, Rosmawati Muhamad, Wong Kok Seng, Tan Kok Chai

Standing – first row (left to right):
Tay Jem Chin, Jayaraj Prema Raj, Kirsada Kattana-Olarn, John P. Crosse, Anil Madawa, Anyoto P. Pugoregon, Joanne Moriarty, Oscar T. Calahug, Maximo H. Simbulan, Kheng Tung Sang, Linda Patterson, Archie Prestice, Lindy Roberts, David Tolley, Neil G. Dewhurst, Patricia J. Numan

Standing – second row (left to right):
Ng Char Heung, Alan Ng Wai Kung, Aree Leung, Luk Hung-To, Law Chun-Key, Michael Suen Wang Ming, Ng Pak Cheung, Yip Cheng Har, Abdul Rahman Mohamad, Lekhraj Rampal, Khalid Yusoff, Cheong Soon Keng, Thang Masu Kiong, Johan Thambu Moles, Abu Hassan Asaari, Lian Chin Boon, Noursiah Abdul Manap, Chow Yu Fat, Chan Yew Weng

On 12-13 July 2012, I represented the College to attend the 46th Malaysia- Singapore Congress of Medicine held in Kuala Lumpur (KL). As in previous years, we had a large HK Academy of Medicine delegation attending the Congress, be members of the Stage party in the Official Opening cum Fellowship Conferment Ceremony in which DYT Raja Muda Perak Darul Ridzuan Raja Dr. Nazrin Shah was officiating, and more important still, be ambassadors to the sister Colleges in Malaysia.

The College of Radiology, Academy of Medicine of Malaysia (CRM), was very active in the Congress.



From left to right: Dr. Wong Leong Wai, Dato' Dr. Mohamed Ibrahim A. Wahid, Vice President (Oncology) of CRM, A/Prof. Dr. Yang Faridah Abdul Aziz, Honorary Treasurer of CRM, Dr. Abdul Rahman Mohamad, President of CRM, and Dr. Law Chun Key



Standing (from left to right): Dr. Gerald Lim, Dr. Ahmad Kamal Mohamed, A/Prof. Dr. Yang Faridah Abdul Aziz, Honorary Treasurer of CRM, Dr. Wong Leong Wai (back), Dato' Dr. Mohamed Ibrahim A. Wahid, Vice President (Oncology) of CRM, and Prof. Dr. Abdul Jalil Nordin, Vice President (Molecular Imaging)

Seated (from left to right): Dr. Abdul Rahman Mohamad, President of CRM, and Dr. Law Chun Key

To take an example, like our good long tradition of having an enthusiastic radiologist as master of ceremony in major occasions, the MC of the Fellowship Conferment Ceremony was the lady Hon. Treasurer of the College of Radiology. That night, I was taken to the Revolving Restaurant at the KL Tower by the Council of the Malaysian College. We had a good discussion on Radiology training and curriculum, and mutual understanding on the different service delivery models in KL and HK.

The trip to Kuala Lumpur is truly memorable and the link with CRM was to foster a mutual aim to promote radiology education and standard. 📌

The 3rd Oncology Forum of Hong Kong

Dr. Chan Wing Lok Wendy
Queen Mary Hospital



For those who attended “The 3rd Oncology Forum”, no doubt they had chosen the right place to spend that sunny Saturday. The scientific symposium jointly organized by the Hong Kong Society of Clinical Oncology and Hong Kong College of Radiologists was successfully held at Hong Kong Academy of Medicine Jockey Club Building on 21st July 2012.

Like the previous two Oncology Forums, this year’s scientific programme continued to be comprehensive, both widely and deeply covering the important topics of various malignancies. It was our pleasure to have both local and overseas experts to share their knowledge and clinical experiences on management of different cancers including ovary, breast, stomach, colorectal, lymphoma, lung and hepatocellular carcinoma. There were lectures, case presentations, panel discussions and Q&A sessions, which provided participants up-to-date and evidence-based information. The poster session, which was new to the

Oncology Forum, was another special highlight. There were more than ten posters from different oncology centres presenting their latest researches.



Many thanks to the faculty for organizing this excellent scientific symposium, which created a platform for academic interflow as well as a chance for friends with similar interest to meet and exchange their ideas. We are looking forward to the 4th Oncology Forum in the near future. Lastly, special thanks to Roche Hong Kong Limited for their support in this event. 🍷



From left to right: Prof. Stan Kaye, Prof. To Ka Fai, Dr. Lam Ka On, Prof. Winnie Yeo

Lung Cancer Symposium

Dr. Chan Siu Hong Oscar

Pamela Youde Nethersole Eastern Hospital

Lung cancer management has evolved dramatically in the past 10 years. The changes were not only limited to the introduction of new therapeutic agents, but also new imaging methods, molecular assays and biopsy techniques. Such changes had revolutionized the way we used to describe and treat lung cancer. In the recent Lung Cancer Symposium held on 28 July 2012, which was organized by Hong Kong College of Radiologists and sponsored by AstraZeneca Hong Kong Limited, the development of these new advances were discussed.

Dr. Elaine Lee, Assistant Professor of the Department of Diagnostic Radiology in The University of Hong Kong, started the symposium with the topic "Application of 18-F-FDG PET/ CT in lung cancer". Dr. Lee discussed the superiority of PET scan compared to contrast CT scan, clinical application of PET-CT in radiotherapy treatment planning, outcome assessment by PET/ CT and the future direction of PET/ CT development.



The next lecture was delivered by Dr. Oscar Chan Siu Hong, Associate Consultant of the Department of Clinical Oncology in Pamela Youde Nethersole Eastern Hospital. Dr. Chan presented the recent data of PIONEER, which was a molecular epidemiological study on EGFR mutation status in advanced lung adenocarcinoma and its implication to the current medical practice. PIONEER was a study involving over 1400 Asians from 7 countries/ regions. In PIONEER, the overall EGFR mutation rate was 51.4%, and it was found that ethnicity and pack years were the independent predictive factors



for EGFR mutation, but not gender. Even in regular smoker, the mutation rate reached 37%. Dr. Chan stressed the importance of molecular testing as we are now moving to an era of genotype-directed therapy.

Dr. Victor Lee Ho Fun, Assistant Professor of the Department of Clinical Oncology in The University of Hong Kong, discussed the personalized treatment strategies in patient with advanced non-small cell lung cancer (NSCLC). Dr. Lee had made a comprehensive review on the use of EGFR-TKI in 1st line metastatic NSCLC, the role of vascular endothelial growth factor receptor antibodies (VEGFR-Ab), appropriate selection of cytotoxics basing on histology and the new targeted therapy on ALK translocation driven NSCLC.



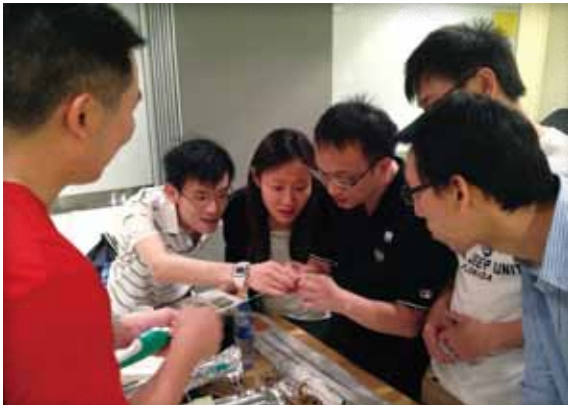
The final lecture of the symposium was delivered by Dr. Yeung Wing Hang, Consultant Radiologist of the Hong Kong Sanatorium and Hospital. Dr. Yeung demonstrated various new imaging techniques that can improve the detection rate and diagnostic accuracy in NSCLC. Novel image-guided biopsy techniques were introduced, which was especially important in the current era of personalized treatment in NSCLC. Dr. Yeung had also shared with the participants many interesting radiological images in thoracic oncology during his lecture.



As our understanding in NSCLC grows, management on NSCLC is becoming more sophisticated. A successful lung cancer management requires the input and effort from various disciplines. We believe that this symposium serves as a good platform for doctors from different disciplines sharing their knowledge and facilitating the future collaboration, and we look forward to the active participation of our members in similar symposiums in the future. 🍀

Basic Angiography Course 2012

Dr. Chan Chung Yan Grace
Tuen Mun Hospital



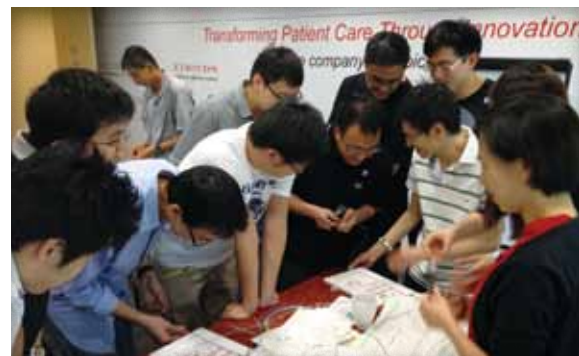
How to stop bleeding from an arterial puncture instantly? The secret of closure device revealed!

Basic Angiography Course 2012, co-organized by Hong Kong College of Radiologists and The Hong Kong Society of Interventional Radiology, took place on 11 August this year (rescheduled from 30 June 2012 due to bad weather), with about 20 participants eager to learn more about the principles and practicalities of vascular angiography.

Being a budding second year resident myself, having next to no knowledge on interventional radiology, I worried that I wouldn't understand most of what would be taught. However, my fears were allayed when the first lecture began with such basics as what arterial sheaths, guidewires and catheters were. The lectures progressed onto more in depth and practical aspects including case scenarios, covering the major aspects

of vascular angiography including diagnostic and therapeutic angiographies such as arterial stenting and embolization. Lectures were followed by workshops that offered a closer look at the actual instruments used in various interventional procedures - and a go at playing with them. From navigating a micro-guidewire through fake cerebral vessels, to deploying an IVC filter, to playing with Onyx (a specialized cerebral AVM embolization material which I initially believed to be the black gem used in jewelry - which subsequently was revealed to be: ethylene vinyl alcohol copolymer dissolved in dimethyl sulfoxide), everyone was fully immersed and actively interacted with the tutors to make the most of the short time at each station.

Overall, the experience was worth the entire Saturday, and with a newly laid foundation, would certainly make my future IR sessions more fruitful. ✍



Navigating the maze of 'arteries' and 'aneurysms' with all kinds of catheters and wires.



All about angiography - started from the basics

HKCR Summer Symposium "Patient-centred Cancer Management"



Dr. POON Che Mun Patricia

Member of Scientific Subcommittee, Hong Kong College of Radiologists

The HKCR Summer Symposium, titled "Patient-centred Cancer Management", was held on 18 August 2012 at the Langham Place Hotel. The symposium was chaired by Dr. William Foo and Dr. Yau Tsz Kok, who are respectable oncologists in Hong Kong. We are honored to have local and overseas experts joining the symposium to share the updates on the state of the art anticancer targeted therapy.

Professor Winnie Yeo of the Chinese University of Hong Kong and Professor Betrand Tombal of the Catholic University of Leuven, Belgium drew our attention to the clinical challenges in the management of bone metastasis. The role and benefits of a lately developed RANK-ligand inhibitor in treating cancer induced bone disease were presented.

Innovative treatment options for advanced renal cell carcinoma were discussed by Dr. Philip

Kwong, Consultant Oncologist of the Queen Mary Hospital. Treatment of metastatic renal cell carcinoma has been revolutionized in recent years with the emergence of various novel molecular agents acting on the cancer angiogenesis pathway.

Dr. Abhishek Bhagat, Medical Advisor, presented the latest information regarding the efficacy of one of their products, which is currently in clinical use for HER-2 positive metastatic breast cancer.

Dr. Janice Tsang, Assistant Professor at The University of Hong Kong, and Dr. Cheung Foon Yiu, Consultant Oncologist at the Pamela Youde Nethersole Eastern Hospital, shared with us their clinical experience of utilizing these new therapeutic agents on metastatic breast cancer and renal cell carcinoma respectively.

Thanks were given to GlaxoSmithKline for co-organising and sponsoring this event. 📌



20th Annual Scientific Meeting of Hong Kong College of Radiologists

27th and 28th
October 2012
(SATURDAY & SUNDAY)

Hong Kong Academy of Medicine Jockey Club Building
Hong Kong SAR, China

The scientific programme with subspecialty focus on Neuroradiology and Heads & Neck Cancers. We are very honoured to have eminent speakers to join our Annual Scientific Meeting this time in Hong Kong. The overseas and local faculties are experts in the disciplines of radiology, clinical oncology and nuclear medicine. As technology and information are moving forward at a very fast pace, it is important for healthcare workers to constantly update ourselves on the information and to arm ourselves with the most appropriate techniques in our delivery of service.

We are confident that all participants will benefit from this opportunity to update their knowledge and in keeping up with recent advancement in the various subspecialties of Radiology, Clinical Oncology and Nuclear Medicine.

REGISTRATION FEE

Registration fees for delegates include a copy of programme book, coffee breaks and lunch during the meeting period. Conference kits are for full registrants only. All bank charges must be pre-paid.

| | Fellows & members of RCR / HKCR | Radiographers, Medical Physicists and Nurses | Other Physicians | Students |
|--|------------------------------------|---|---------------------|-------------------|
| Full Registration (2 Days) | HKD 1,540 / USD 220 | HKD 1,200 / USD 170 | HKD 2,040 / USD 290 | HKD 840 / USD 120 |
| Day Registration | HKD 770 / USD 110 | HKD 600 / USD 90 | HKD 1,020 / USD 150 | HKD 420 / USD 60 |
| Dinner of the Colleges on 27 th October 2012 | HKD 240 / USD 40 | | | |

CME/CPD ACCREDITATION

The 2-day meeting is accredited by the **Hong Kong College of Radiologists for 11.5 (Cat. A) CME/CPD points. [6 points for 27 October 2012 and 5.5 points for 28 October 2012]**

CME/CPD credit points from The Royal College of Radiologists, other Colleges of the Hong Kong Academy of Medicine, MCHK CME Programme and Radiographers Board of Hong Kong are under application.

Please remember to register for your CME/CPD points on both days of the meeting. Programme may be subject to changes.

We look forward to your participation and support!

For scientific programme and further details of the meeting, please contact the College Secretariat or visit our College website at <http://www.hkcr.org>

HKCR SECRETARIAT

Hong Kong College of Radiologists
Room 909, 9/F, Hong Kong Academy of Medicine Jockey Club Building
99 Wong Chuk Hang Road, Aberdeen, Hong Kong
Tel: (852) 2871 8788 Fax: (852) 2554 0739 E-mail: Enquiries@hkcr.org
Homepage: <http://www.hkcr.org>



Special College Functions on 27 October 2012

Our College has great pleasure in inviting you to our special functions in the evening of 27 October 2012 (Saturday) at Hong Kong Academy of Medicine Jockey Club Building. ***You are most welcome to bring your family and friends to share these memorable occasions with us.***

The programme of the evening is as follows:

| | | |
|-------------------|--|--|
| Date: | 27 October 2012 (Saturday) | |
| Venue: | Run Run Shaw Hall, 1/F, Hong Kong Academy of Medicine Jockey Club Building, 99 Wong Chuk Hang Road, Aberdeen, Hong Kong SAR | |
| Programme: | 5:30pm | Cocktail Reception (Exhibition Hall, G/F) |
| | 6:00pm | The 12th Joint Ceremonies for Admission of New Fellows |
| | 7:00pm | The 13th Ho Hung Chiu Lecture |
| | 7:30pm | Cocktail Reception (Foyer, 1/F) |
| | 8:00pm | Dinner of the Colleges 2012 |

The Twelfth Joint Ceremonies for Admission of New Fellows

Hong Kong College of Radiologists will be holding our Twelfth Joint Ceremonies for the Admission of New Fellows at 6:00pm at Run Run Shaw Hall of HKAM Jockey Club Building. This event will be an excellent opportunity for you to meet with local and overseas colleagues of our profession, and to show your support for and to congratulate the newly admitted Fellows.

The Thirteenth Ho Hung Chiu Lecture

Our College is honoured to have

Professor Joseph J.Y. Sung, SBS, JP

Vice-Chancellor and President, The Chinese University of Hong Kong
Mok Hing Yiu Professor of Medicine
Hong Kong SAR, China

to deliver the lecture entitled

Radiology and Endoscopy: Friends or Foes?



Dinner of the Colleges 2012

The dinner will be held after the 13th Ho Hung Chiu Lecture. With heavy subsidy from the College, it will only be a nominal fee **HK\$240** per head to participate in the dinner.

To facilitate our arrangement, please register early by returning the registration form to our appointed Event Organiser, Conference Department of Hong Kong Academy of Medicine, and your crossed cheque made payable to **'HONG KONG ACADEMY OF MEDICINE', on or before 15 October 2012.**

For enquiries of registration, please contact:

Conference Department of Hong Kong Academy of Medicine
Hong Kong Academy of Medicine, Room 808, 8/F, HKAM Jockey Club Building
99 Wong Chuk Hang Road, Aberdeen, Hong Kong SAR, China

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Leisure Corner

LOOKING BACK: HIGHLIGHTS FROM THE HISTORY OF RADIOLOGY

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This issue marks the introduction of a series called "Looking back: Highlights from the History of Radiology". In this brief historical series which present the milestones in the evolution of radiology, we will travel back in time and across the globe, to see how radiology started with the discovery of x-ray and how different innovations have shaped the world of radiology. We will present material of historical interest relating to the development of various imaging modalities in the international community and also of special relevance to Hong Kong. We hope to arouse the interest of members of our College, especially the younger generation, to know more about the history of radiology.

Part 1: The Discovery of X-ray and the History of Radiography

Pioneer in a new world



Professor Wilhelm Conrad Roentgen

One of the greatest discoveries in the history of radiology was made on 8th November 1895. Wilhelm Conrad Roentgen, professor and head of the department of physics at the Julius Maximilian University at Wurzburg in Germany, was conducting experiments with a cathode ray tube in his laboratory. He observed that while passing current through the cathode ray tube, bright fluorescence was seen on a screen of barium

platino-cyanide which lay on a bench nearby. The fluorescence persisted despite experimenting with a screen at a distance greater than the known range of cathode rays. He also found that the new ray would pass through most substances, unlike cathode rays. He realized that he had discovered a previously unknown 'invisible light'. He named this 'x-ray', because in mathematics 'X' is used to indicate the unknown quantity. In his discovery, he found that x-ray would pass through the human body leaving the bones and metals visible. One of Roentgen's famous first experiments was a film of his wife's hand with a ring on her finger.



The early x-ray generator and cathode ray tubes used by Professor Roentgen in his experiments.

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The early years of the 'new photography'

Information about Roentgen's brilliant discovery spread quickly throughout the world. Doctors in different countries soon realized the importance of his discovery and tried to take advantage of the 'new photography' or 'shadowgraph', as it was called in the early days. Early radiographs were also referred to as roentgenograms, named after Professor Roentgen.

During the first two decades following its discovery, x-ray was used largely for the diagnosis of fractures and for the localization of bullets in wounded soldiers. The first one was reported to be used by the Italian army in 1896. By the beginning of World War I, nearly all of the European and American army medical teams involved x-rays to find bullets and diagnose fractures.

The medical and scientific communities in Asian countries were also excited about the discovery of x-ray. The first documented radiograph in Japan, which was a radiograph of knives, was produced in April 1896. The first clinical application of x-ray in Japan was documented in 1898, which was presented in a medical dissertation describing bone malformations. Japanese companies began to manufacture x-ray tubes in the 1920s.

The first x-ray machine in Hong Kong was acquired by the Alice Ho Miu Ling Nethersole Hospital in 1910, mainly for diagnosing fractures and tuberculosis. The Alice Ho Miu Ling Nethersole Hospital was the first hospital in Hong Kong offering western medicine free to the Chinese community and

was the teaching hospital of the Hong Kong College of Medicine for training Hong Kong people to become western doctors. The number of x-ray machines installed in Hong Kong gradually increased since then and the field of application expanded. Government radiology service for the general public in Hong

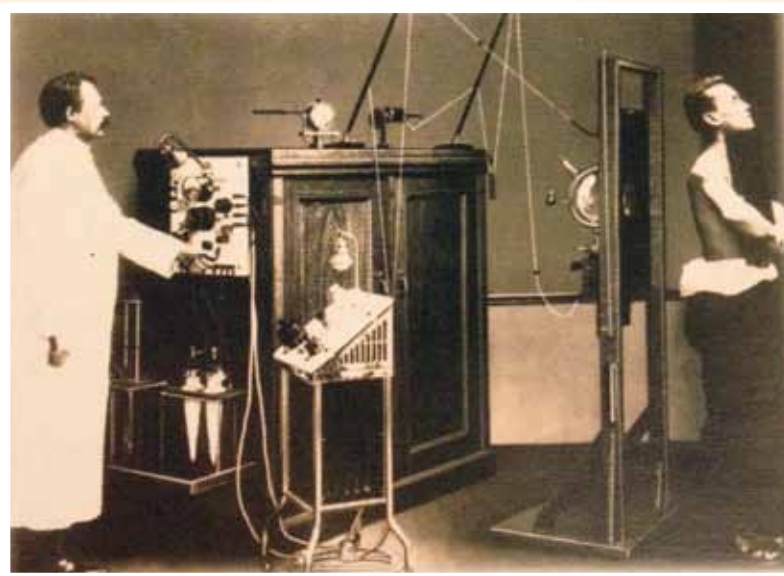
Kong was first provided by the Government Civil Hospital in 1929. It was later replaced by the radiology department of Queen Mary Hospital in Pokfulam and the radiology department of Kowloon

Hospital in 1937. Most of the early

radiology staff in the early years were recruited from Britain. It was only after World War II that there were local Chinese radiology staff.



Queen Mary Hospital in 1947



This is an example of an early x-ray machine. In the early days, patients had to hold the cassettes themselves.

In the early years, the exposure time for the acquisition of radiograph was long. At that time, many x-rays of the hands were taken with exposures of a few minutes. In 1896, it was reported that a usual chest image would take 30 minutes to expose. Images produced by early x-ray apparatus were also faint. Due to the limited light produced from the fluorescent screens, early radiologists

were required to sit in a darkened room with a pair of red goggles for 15-20 minutes before reading the images in order to increase their sensitivity to the light.

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Dangers of radiation

The ability to see through the body amazed both the medical community and the general public. In the early years, the x-ray apparatus was often demonstrated in scientific meetings and also in fun-fairs. Crowds flocked to see the public displays of x-rays. There was an account of a large exhibition in Stockholm in 1897 demonstrating completely unprotected x-ray apparatus to the general public. Participants were allowed to go near the machine and put their hands under the x-ray tube to see their bones appear on the fluorescent screen. The new discovery of x-ray had also attracted the attention of royal families. It was recorded that an electrical apparatus capable of displaying the interior of human body, presumably an early version of the x-ray machine, was procured by the fourth monarch of Qajar dynasty as a recreational object during a journey in Europe in 1906.

In those days, there was a lack of concern regarding the potential dangers of radiation. The radiation exposures to the early operators were excessive and radiation protection was non-existent. The problem was compounded by the common practice of looking at the operator's own hand with a fluorescent screen to test the apparatus. Many early radiologists developed radiation dermatitis and eventually died of radiation-induced tumors. They were often mutilated from multiple surgical procedures to eradicate areas of radiation necrosis.

The unrestrained use of x-ray had also led to adverse effects in patients. It was reported in 1896 that in a patient who had an exposure of one hour for an x-ray of the skull, an area of epilation of the scalp had resulted. With growing number of operators who worked with x-rays began mysteriously dying and with increasing harmful effects occurring in patients, scientists and doctors began investigating the effect of radiation on human subjects. One such experiment involved a young man who received daily doses (one or two doses per day, each of five to ten minutes) for four weeks on his scalp. This had resulted in alopecia and excoriation of the skin. The potential dangers of radiation were eventually recognized and standards for exposure and protection were gradually introduced. The medical community in Hong Kong also began to realize the importance to enforce radiation safety. A Radiation Board was established in Hong Kong in 1952 and the Radiation Ordinance and Regulations were legally gazetted in 1965.

The march of progress

In the early days, heavy and expensive glass photographic plates placed in light-tight cassettes

were being used for obtaining images. These were eventually replaced with films made of cellulose acetate after 1918, introduced by Eastman. Portable radiography units were available in the 1930s, which were widely used in mobile hospitals in World War II for the diagnosis of trauma. A mobile chest x-ray machine was installed in Queen Mary Hospital in Hong Kong in 1955. The development of the x-ray image intensifier by J. W. Coltman in the 1948 revolutionized radiography. With this unit, a brightness gain of 1000 became possible, allowing the light produced by the fluorescent screen to be amplified, bright enough to be seen even in a lighted room.

Up until the 1940s, films were moved manually through the developing, fixing, washing and drying cycles. This practice was changed with the development of the automatic film processor in 1942. Images were hung on special hangers and then transported through the system. A further advance in film processing occurred with the introduction in 1956 of the X-O-MAT unit, which used a nylon roller system instead of hangers. About 600 images could be processed per hour. In the modern era, a finished film is usually produced within 90 seconds.

In 1968, rare earth phosphors were adapted for use in screens for radiography. The rare-earth phosphors are more efficient absorbers of diagnostic x-rays than calcium tungstate phosphors, and emit much more light per x-ray photon absorbed. This improved film speed and reduced patient dose.

In 1980s, a major change occurred in radiography with the development of digital radiography. In the digital system, x-ray beam exiting the patient is captured by a detector system converting the signals generated into digital information. With further advances, including the development of better fine-line grids, x-ray tubes with smaller focal spots and automatic collimation, we are able to generate images of much higher quality. Smaller, lighter and portable apparatus that produce high quality x-ray are now widely available.

The story of radiology is fascinating. It is amazing to see how far we have come in the past century. In the next issue, we would introduce other innovations of historical interest relating to the history of radiology. Not to be missed! ✨

Illustrations were adapted from the Rontgen Centenary Congress & Hong Kong College of Radiologists Third Annual Scientific Meeting booklet. If you would like to refer to the booklet to learn more about the history of radiology, please feel free to contact our College Secretariat.

Membership Status

Our College has the following numbers of members as at 18 September 2012:

| Status | Number |
|------------------|------------|
| Honorary Fellow | 13 |
| Honorary Member | 5 |
| Fellow | 419 |
| Member | 141 |
| Trainee Member | 47 |
| Associate Member | 1 |
| Total | 626 |

List of Fellows admitted from 27 June 2012 till 18 September 2012:

| Admission Date | Name | Specialty | Training Center |
|----------------|--------------------|-----------|-----------------|
| 31 July 2012 | CHANG Tien Yee Amy | CO | PYNEH |
| 31 July 2012 | CHU Ka Man | DR | QEH |
| 31 July 2012 | WONG Jeffrey James | DR | TMH |

List of Trainee Members admitted from 27 June 2012 till 18 September 2012:

| Admission Date | Name | Specialty | Training Center |
|-------------------|-----------------------------|-----------|-----------------|
| 28 August 2012 | CHAN Chik Xing Jason | DR | TMH |
| 28 August 2012 | CHAN Pui Kwan Joyce | DR | QEH |
| 28 August 2012 | MAN Ka Yun | DR | PYNEH |
| 28 August 2012 | NG Hoi Ting Grace | DR | QMH |
| 28 August 2012 | TANG Joseph Andrew Wing Kin | DR | PYNEH |
| 28 August 2012 | WONG Kin Hoi | DR | NDH |
| 18 September 2012 | CHEUNG Ka Man | CO | QEH |
| 18 September 2012 | CHOW Chung Hang James | CO | QEH |
| 18 September 2012 | FUNG Kin Fen Kevin | DR | KWH |
| 18 September 2012 | KAM Tsz Yeung | CO | PYNEH |
| 18 September 2012 | LAU Tsz Shan | CO | PMH |
| 18 September 2012 | LEE Hong Ching | DR | UCH |
| 18 September 2012 | LEE Kam Ho | DR | QMH |
| 18 September 2012 | LEE Shing Fung | CO | TMH |
| 18 September 2012 | LEUNG Lai Kwan Queenie | CO | PYNEH |
| 18 September 2012 | LUI Ka Wai Tushiyah | CO | QEH |
| 18 September 2012 | NG Ting Fung Karson | DR | PMH |
| 18 September 2012 | WONG Chun Yin | CO | PYNEH |
| 18 September 2012 | WU Philip Yuguang | CO | PYNEH |
| 18 September 2012 | YIP Yan Yee Chloe | CO | PYNEH |
| 18 September 2012 | YUEN Tsz Yau | DR | PWH |

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Forthcoming Meetings in 2012

| Date | Event | Venue | Website |
|---------------------|--|------------------------|---|
| 4-6 October 2012 | 12 th International Cancer Imaging Society (ICIS) Annual Teaching Course | Oxford, UK | www.icimatingsociety.org.uk |
| 18-20 October 2012 | 68 th Korean Congress of Radiology (KCR 2012) | Seoul, Korea | www.kcr4u.org/ |
| 18-21 October 2012 | 19 th Chinese Congress of Radiology | Chengdu, China | http://www.cmacsr.org/2012/cn/ |
| 27-28 October 2012 | 20 th Annual Scientific Meeting of HKCR | Hong Kong, China | www.hkcr.org |
| 27-31 October 2012 | 25 th European Association of Nuclear Medicine (EANM) 2012 | Milan, Italy | http://eanm12.eanm.org/ |
| 28-31 October 2012 | American Society for Radiation Oncology (ASTRO) 54 th Annual Meeting | Boston, USA | https://www.astro.org/ |
| 8-9 November 2012 | 19 th Hong Kong International Cancer Congress | Hong Kong SAR, China | www.hkicc.org/ |
| 8-11 November 2012 | 2 nd Annual Asian MRI Course: Internal Derangements of Joints | Kuala Lumpur, Malaysia | www.iicme.net/ |
| 25-29 November 2012 | The 7 th International Conference on Radiopharmaceutical Therapy (ICRT 2012) | Levi, Finland | http://www.icrt-2012.warmolth.org/ |
| 25-30 November 2012 | RSNA 2012 | Chicago, USA | http://rsna2012.rsna.org/ |
| 26-28 November 2012 | 5 th Asian Pacific Lung Cancer Congress (APLCC) | Fukuoka, Japan | http://www.aplcc2012.org/ |
| 4-8 December 2012 | The 2012 CTSC-AACR San Antonio Breast Cancer Symposium | San Antonio, USA | http://www.sabcs.org |
| 30-31 March 2013 | 9 th CT Coronary Angiography Teaching Course 2013 - Intermediate and Advanced Level | Hong Kong SAR, China | www.cardiaccttc.com.sg |
| 9-12 May 2013 | 3 rd IDKD Intensive Course in Hong Kong | Hong Kong SAR, China | www.idkd.org |