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President's Jotting

Dr. Law Chun Key

2014 has just past and we are now in the year of the Goat. We are starting another College year and we have a few new faces on our Council. It is my duty and honour to thank those who have served in the last Council and the various Committees and Subcommittees. As mentioned in the Annual Report, we had accomplished a lot of work in our last College year. With a total membership approaching 700 in our big family, we hope that we can be as close and friendly as the Goat in the coming year.

The Joint Final Examination in the Autumn 2014 sitting saw a record high number of successful candidates for both specialties combined, the passing rate in Clinical Oncology being highly commendable. My congratulations go to the successful candidates and especially to all trainers and training centres for their magnificent effort in providing high standard of training. At the recent Exit Assessment in January 2015, clinical audit is found to be a weak point that needs to be strengthened. An educational programme for enhancement of trainers and trainees' knowledge on this aspect is underway.



On external affairs, our College continued to foster closer ties with fellow Societies and Colleges outside Hong Kong. In the East, on 4th-7th September 2014, I attended the 2014 Combined Scientific Meeting of the Royal Australian and New Zealand College of Radiologists

(RANZCR), the Australian Institute of Radiography and the Australasian College of Physical Scientists and Engineers in Medicine in Melbourne, Australia. The newly elected President of RANZCR, A/Prof. Chris Milross, expressed his College's interest in attachment in Hong Kong for their Mutual exchange of ideas on training trainees. development between the two Colleges was followed by a meeting held at the 15th Asian Oceanian Congress of Radiology (AOCR 2014) in Kobe on 24th-28th September 2014, at which our College was represented by Dr. Lilian Leong and Dr. Stephen Cheung. My gratitude also go to our energetic trainees and young radiologists, with strong support from the Hong Kong Tourism Board, for manning the exhibition booth for the promotion of our College's work and activities as well as the Hong Kong at AOCR 2014 exhibition (please, refer to P.12 for more details). Later in October 2014, Dr. Lilian Leong, representing the College, had attended the 21st Chinese Congress of Radiology (CCR 2014) held in Beijing and delivered a lecture entitled "Radiology of Post Living Donor Liver Transplantation Complications".

In the West, our College accepted an invitation from the organisers of the 28th International Congress of Radiology (ICR 2014) to organise a scientific session entitled "International Joint Sessions – Hong Kong College of Radiologists (HKCR)" held in Dubai on 9th-12th September 2014. Drs. T.K. Au Yong, Stephen Cheung and Jeffrey K.T. Wong delivered lectures on Cardiothoracic Radiology at the Joint Sessions. Furthermore, Dr. Jeffrey Wong, representing our College, participated at the International Society of Radiology (ISR) International Assembly held on 11th September 2014, and voted for the election of new ISR Executive Committee members.

In America, Dr. Lilian Leong had attended the Annual Meeting of the Radiological Society of North America

President's Jotting

(RSNA) in Chicago on 30th November - 5th December 2014. She continued to participate in the International Trends Meeting representing the College and shared viewpoints with other world leaders in radiology on radiation safety regulations and their impact on patient care. In addition, Dr. Leong and Dr. W.L. Poon met with Dr. Mark Murphey, International Course Director / Radiologic Pathology Course Director / Chief, Musculo-skeletal Imaging of American Institute for Radiologic Pathology (AIRP), at RSNA 2014 for discussion of AIRP educational programme to be held in Hong Kong in 2016. Further details of the programme would be announced in due course.

Locally, an extremely happy news to share with our members - our College's 22nd Annual Scientific Meeting (ASM) held on 1st-2nd November 2014 was a great success breaking the record with over 670 registrants. To facilitate delegates in submission of abstracts for proffered paper presentations, electronic abstract submission and electronic posters (E-Poster) systems were developed and newly introduced at the ASM 2014. We welcome any feedback from delegates and our members on the systems usage which definitely would be very useful for systems enhancement and development. appreciation and gratitude go to Dr. Jennifer Khoo & Dr. W.L. Poon and members of the Organising team. Another successful event, the 2nd Joint Meeting of the International Cancer Imaging Society (ICIS) and the HKCR on Cancer Management: From Diagnosis to Treatment, was held on 31st January – 1st February 2015. The Faculty had been highly commended and we received laudable comments and excellent feedback from the delegates and the exhibitors. My special thanks to Course President, Dr. Lilian Leong, and Course Organisers, Dr. Jay Heiken of ICIS and Dr. W.L. Poon of HKCR, for their immense contributions.

Our College is one of the earliest Colleges to have a

website and to start the continuous learning activities. I must thank all the enthusiasts, especially the Homepage Subcommittee led by Dr. T.M. Chan, who strive to improve our website constantly. You all must have noticed that a new face of the College website was launched in early September 2014. We hope that all members will find the new website informative and will use it for continuous education and for their own communication venue. Again, members are welcome to give their opinion on the website contents to improve future development.

On a different note, the Government of Hong Kong SAR has just released two important consultation documents: one on Regulation of Private Healthcare Facilities and the other on Voluntary Health Insurance Scheme. The former is of particular concern to our members as among the high risk procedures so defined, the following are related to our practice: parenteral chemotherapy, image guided biopsy of deep seated organs and trans-arterial catheterization. Members are encouraged to give their valuable views to the Government by mid-March 2015. Our College is one of the 5 under the Hong Kong Academy of Medicine in the Project Steering Committee on Standards for Ambulatory Facilities.

The HKCR 15A Travelling Fellowship is another mechanism to foster closer ties with UK colleagues. The 2015 Fellowship is now open for application; please, do not miss this post-Fellowship training opportunity and submit your application by 31st March 2015! Details will be available at the College's website:

http://www.hkcr.org/news.php/events_list/cid,3/nid,26

Lastly, may I wish you all every success, good health, good fortune and prosperity in the New Year of the Goat.

Message from the Editor

Dr. CY Lui

Happy New Year!

In this issue we reported many College activities held in the past few months and all these events were held very successfully. Our thanks go to the great leadership of our College President, and the hard work from our College Council as well as various committees and subcommittees.

Many members told me that the articles about the history of Radiology in the past issues of the Newsletter were very interesting and informative. This time we have Dr. Shiobhon Luk and Dr. Kathy Wong to bring us back in the history of MRI, which is an indispensable imaging modality nowadays. From this article you may also learn a lot more about the development of MRI in Hong Kong and I'm sure it's particularly interesting to our young members.

We're very delighted to have an interview with Dr. Fung Kai Hung, who was invited to exhibit his stunning collection of artistic medical images in the Centennial Celebration Art & Science Exhibition in the 100th RSNA annual meeting. Those who missed the Exhibition in Chicago can now enjoy the masterpieces in this Newsletter with the courtesy of Dr. Fung.

Please note that the College had recently updated the Guide on Good Medical Practice for Radiologists and it is now available at the College website.

I would like to thank the members of the editorial board of the Newsletter as well as Karen Law and Phyllis Wong for their excellent work and contributions to the success of the Newsletter.

Call for Application of HKCR Education and Research Fund

HKCR Education and Research Fund is now open for application to support research projects, conference attendance and other activities between 1 July 2015 and 31 December 2015

The objective of HKCR Education and Research Fund is to promote and assist career development, continuing education and research activities among members of Hong Kong College of Radiologists (HKCR) and international professional community.

Four Categories of Grants are available from the Fund:

- I. Education grant to assist HKCR members for overseas advanced training and international conventions.
- II. Education grant for Mainland China and overseas radiologists to participate in activities organized by HKCR.
- III. Conference grant to assist HKCR members in organizing educational activities.
- V. Research grant to assist HKCR members to conduct pilot study in basic and clinical research.

The completed application form should be submitted to the Secretariat Office to the attention of the Chairman of the Committee of HKCR Education and Research Fund. Enquiries on details of grants and application forms can be directed to the College Secretariat.

Deadline for Application: 15th April 2015

College Examination Successful Candidates Joint Final (Part B) Examinations for Fellowship – Autumn 2014

Clinical Radiology

Date : 28-30 October 2014

Venue: 2/F & 5/F, Hong Kong Academy of Medicine Jockey Club Building, Aberdeen, Hong Kong

Examiners: Dr. Christopher GEORGE (Senior Examiner),

Dr. Shaun McGEE,

Dr. CHEUNG Chi Wai Stephen,

Dr. POON Wai Lun, Dr. TAI Kin Shing,

Dr. WONG Ka Tak Jeffrey,

Observers: Dr. LO Shing Wai Sherwin,

Dr. LUI Chun Ying

Successful Candidates:

CHAN Chung Yan Grace (Tuen Mun Hospital), CHEUNG Kenneth Kai Yat (Queen Mary Hospital), CHIANG Jeanie Betsy (Queen Elizabeth Hospital), CHONG Wing Ho (Tuen Mun Hospital), DOWEIDAR Ahmed Atef Abdul-Rahman (Al-Razi, and Al-Sabah Hospitals, Kuwait), FUNG Sin Yue Cindy (North District Hospital), LAI Yee Tak Alta (Pamela Youde Nethersole Eastern Hospital), LEE Alexander Chiu Wing (Queen Elizabeth Hospital), LEE Chun (Queen Mary Hospital), LEE Jonan Chun Yin (Queen Elizabeth Hospital), LEE Kar Ho (Pamela Youde Nethersole Eastern Hospital), MAHBOOBANI Neeraj Ramesh (Princess Margaret Hospital), NG Fung Him (United Christian Hospital), TANG Chun Wah (Pamela Youde Nethersole Eastern Hospital), TSANG Yin Ho Amold (Kwong Wah Hospital), WAI Ka Heng Ophelia (United Christian Hospital), WONG Ting (Princess Margaret Hospital)

Clinical Oncology

Date : 29-30 October 2014

Venue : 4/F, Block R, Department of Clinical Oncology, Queen Elizabeth Hospital

Examiners: Dr. Chris BAUGHAN (Senior Examiner),

Dr. Tom CROSBY,

Dr. WONG Chi Sing Frank, Dr. WONG Kam Hung,

Dr. YEUNG Mei Wan Rebecca,

Observers: Dr. LUK Mai Yee,

Dr. YIU Ho Yin Harry

Successful Candidates:

CHAN Dominic Chun Wan (Princess Margaret Hospital), CHEUNG Wai Man Lilian (Princess Margaret Hospital), LAM Ho Ching (Queen Elizabeth Hospital), LAM Yuk Ting (Princess Margaret Hospital), LAU Kin Sang (Queen Mary Hospital), LEE Wai Man Sarah (Pamela Youde Nethersole Eastern Hospital), SZETO On Yee Michelle (Queen Elizabeth Hospital), WONG Chun Wai Kenneth (Prince of Wales Hospital), YEUNG Ting Yan (Prince of Wales Hospital), YEUNG Wui Ming (Prince of Wales Hospital)

College Exit Assessment Successful Candidates

Exit Assessment – January 2015

Date: 9 & 12 January 2015 (Friday & Monday)

Venue: Exam Rooms, 5/F

Hong Kong Academy of Medicine Jockey Club Building 99 Wong Chuk Hang Road, Aberdeen, Hong Kong

Radiology

Chairman of Assessment Panel: Dr. LAM Hon Shing

Assessors: Dr. KWOK Chong Hei Philip, Dr. IU Po Ping, Dr. YUEN Ming Keung, Prof. Ann KING

Successful candidates:

CHAN Ho Fung Princess Margaret Hospital

CHAN Wai Yee Lydia North District Hospital
FOK Wing Shan Elaine Queen Elizabeth Hospital

LEE Chi Yan Tuen Mun Hospital

LEUNG Hoi Ying Prince of Wales Hospital
SHIU Chun Kit Queen Elizabeth Hospital

SUNG Ham Tung Pamela Youde Nethersole Eastern Hospital

TANG Peggy Prince of Wales Hospital
TEE Man Fai Lawrence Kwong Wah Hospital
WAN Wing Suet Tuen Mun Hospital
YEUNG Tsz Wai Tuen Mun Hospital

YU San Ming United Christian Hospital

Clinical Oncology

Chairman of Assessment Panel: Dr. LAM Hon Shing

Assessors: Dr. LEE Wing Mui Anne, Prof. KWONG Lai Wan Dora, Dr. YAU Chun Chung

Successful candidates:

CHAN Tim Wai Queen Elizabeth Hospital

CHEUNG Ka Wai Alice Tuen Mun Hospital

LEE Wai Yin Princess Margaret Hospital

LEUNG Kwok Chuen Dennis Queen Mary Hospital
LEUNG Kwun To Anthony Queen Elizabeth Hospital
TAI Yin Ping Queen Elizabeth Hospital
WONG Lai San Queen Mary Hospital
YEUNG Sin Yu Tuen Mun Hospital

TIN Winnie Wing Yan Tuen Mun Hospital

2015 FRCR Examination Schedule

Spring 2015

Monday, 23 February 2015	First FRCR in Clinical Oncology (Cancer Biology & Radiobiology / Clinical Pharmacology)
Tuesday, 24 February 2015	First FRCR in Clinical Oncology (Physics / Medical Statistics)
Wednesday, 25 February 2015	Final FRCR (Part A) in Clinical Oncology
Monday, 2 March 2015	First FRCR in Clinical Radiology (Physics)
Tuesday, 3 March 2015	First FRCR in Clinical Radiology (Anatomy)
Monday, 16 March 2015	Final FRCR (Part A) in Clinical Radiology (Cardiothoracic and Vascular / Musculoskeletal and Trauma)
Tuesday, 17 March 2015	Final FRCR (Part A) in Clinical Radiology (Gastro-intestinal / Genito-urinary, Adrenal, Obstetrics & Gynaecology and Breast)
Wednesday, 18 March 2015	Final FRCR (Part A) in Clinical Radiology (Paediatric / Central Nervous and Head & Neck)

Summer 2015

Monday, 8 June 2015	First FRCR in Clinical Radiology (Physics)	
Tuesday, 9 June 2015	First FRCR in Clinical Radiology (Anatomy)	

Autumn 2015

Wednesday, 9 September 2015	Final FRCR (Part A) in Clinical Oncology
Thursday, 10 September 2015	First FRCR in Clinical Oncology (Cancer Biology & Radiobiology / Clinical Pharmacology)
Friday, 11 September 2015	First FRCR in Clinical Oncology (Physics / Medical Statistics)
Monday, 14 September 2015	First FRCR in Clinical Radiology (Physics)
Tuesday, 15 September 2015	First FRCR in Clinical Radiology (Anatomy)
Monday, 21 September 2015	Final FRCR (Part A) in Clinical Radiology (Cardiothoracic and Vascular / Musculoskeletal and Trauma)
Tuesday, 22 September 2015	Final FRCR (Part A) in Clinical Radiology (Gastro-intestinal / Genito-urinary, Adrenal, Obstetrics & Gynaecology and Breast)
Wednesday, 23 September 2015	Final FRCR (Part A) in Clinical Radiology (Paediatric / Central Nervous and Head & Neck)

HKCR 15A Travelling Fellowship 2014: Workshop in Palliative Medicine at St Christopher's Hospice, Sydenham and training of Image Guided Gynaecological Brachytherapy at St James University Hospital, Leeds

Dr. Irene Kwok, Queen Elizabeth Hospital

I am grateful to the Hong Kong College of Radiologists for offering me this overseas training opportunity under the HKCR 15A Travelling Fellowship 2014. I attended a course in palliative medicine in St Christopher's Hospice from 15th to 19th Sept 2014, followed by a four-week clinical attachment at St James Institute of Oncology from 22nd to 17th Oct 2014.

Founded by Dame Cicely Saunders, St Christopher's Hospice was the first modern hospice. It now provides comprehensive palliative care service as well as extensive educational programmes. The five-day 'Multi-professional week in palliative care' is an established course held every year in September. This year, we had 23 participants including doctors from varies disciplines, nurses, social workers, and physiotherapists from 17 countries. Apart from traditional topics in palliative care like symptom control and bereavement, there were also sessions on spirituality, complementary therapies and education and research in palliative care. It was particularly enjoyable to talk and share with participants from all over the world. It was amazing to note how different cultures and health care systems can affect delivery of good palliative care. We all had a wonderful and fruitful week!



Lecture at St Christopher's nospice

After the week in Sydenham, I headed to Leeds and joined Dr. Rachel Cooper, who is Consultant Clinical Oncologist in gynaeoncology at St James Institute of Oncology. Over the past few years, there was a world trend of increasing use of image-guided brachytherapy for cervical cancer, hoping to improve treatment outcome and minimize toxicity. Dr. Cooper is one of the pioneers in using this new technique in the United Kingdom. She taught me enormously on this topic and generously shared with me her own experience. I was allowed to observe every step

of treatment, including patient preparation, applicator and interstitial needles insertion, MR/CT imaging for planning and the logistics, treatment planning and patient care afterwards. Image-guided brachytherapy in gynaecology involves multidisciplinary work. I met excellent physicists and radiotherapists who kindly showed me their work and taught me on tips and pitfalls regarding treatment from their perspectives. This was such an unforgettable experience and I am truly thankful to their hospitality and kindness during my attachment.



Dr. Rachel Cooper (right two) and the team of physicists

During the last part of my journey, I paid a visit to Dr. Jeanette Dickson, Medical Director of Professional Practice and Mr. Joe Booth, Executive Director of Specialty Training at the Royal College of Radiologists. I received a very warm welcome and had a pleasant morning with them talking about my clinical attachment and the development of high-tech radiotherapy in the UK and HK. They are very supportive of the HKCR 15A Travelling Fellowship and future ambassadors are most welcomed. Once again, I would like to thank the College and my department for their great support in this fellowship.



Announcement of Award of Rohan Williams Medal for the 2014 Joint Final Fellowship Examination in Clinical Radiology - Dr. Tsang Yin Ho Arnold

Dr. Arnold Tsang, Kwong Wah Hospital



"Some may grumble roses have thoms, while I am thankful thoms have roses". I believe the past year preparing for the FRCR 2B examination was definitely a tough and exhausting year for many of us. Throughout these twelve long months, there were tutorials after tutorials, courses after courses. There were times of frustrations when we repeatedly failed to arrive at a correct diagnosis in front of films, and there were times of feeling defeated when we repeatedly missed fractures here and there when polishing our rapid reporting skills. But now when I look back, I realize how much we have learnt, how much better we have become as a radiologist, and how invaluable this year is to me, and to all of my comrades.

The three weeks spent in the United Kingdom were particularly unforgettable to me, as we were able to learn from overseas tutors and candidates, and at the same time enjoy good food and scenery of this lovely country. One of the highlights was the afternoon spent with Professor Adrian Dixon, Emeritus Professor of Radiology at the University of Cambridge. He was very hospitable to us by treating us homemade snacks at his house, and showing us films in his own reading room. We even went for a drink at a bar where many famous scientists from the University of Cambridge went for intellectual stimulation.

After taking courses abroad and talking to overseas candidates, I realized how fortunate we are as Hong Kong trainees, as we have abundant high quality educational activities in local hospitals throughout these few preparatory years to equip us. As the awardee of the

Rohan Williams Medal this year, I would like to take this opportunity to express my gratitude to many people. Firstly, my seniors and colleagues in Kwong Wah Hospital, who have been teaching me patiently and offering many learning opportunities since I joined this big family; all the seniors from different hospitals who offered us tutorials and organized extremely useful courses out of their spare time despite their busy schedules; our College which has provided us with continuous training opportunities throughout all these years as well as courses for every exam since FRCR Part One; all my fellow comrades, whom I went through this year with and built up priceless friendship with; last but not least, my family who gave me unfailing support and profound encouragement.

As one expresses his gratitude, he must never forget that the highest appreciation is not to utter words, but to live by them. I am certain with the knowledge passed onto us from seniors during this very year, it will stand us in good stead as we embark on our next stage of training and face all future challenges ahead.



Announcement of Award of Frank Doyle Medal for First FRCR Examination in Clinical Oncology in Spring 2014 – Dr. Chow Chung Hang James

Dr. James Chow, Queen Elizabeth Hospital

It is my great honor to be nominated for the award. In these days of growing service need, I feel clinical medicine is more about seamless teamwork than individual brilliance. My heartfelt thanks go to my colleagues at the Department of Clinical Oncology in Queen Elizabeth Hospital, who have all been exceedingly supportive and caring to me, and have taught and shared with me unreservedly since the day I joined the team - working with them has made clinical learning highly enjoyable and alive.

As the old saying goes: Medicine is more an art than a science. The more I interact with cancer patients, the more I realize that being academically competent is only part of what



constitute a respectable doctor. Sometimes a kind greeting, an empathic heart, and a few words of genuine care are what truly matter for our patients. Though in the saddening reality we could not offer cure at all times, nothing is more rewarding than seeing my patients cope well with their illnesses - in the absence of fear, worries, and sufferings.

The path to becoming an oncologist is perhaps a never-ending journey. In the upcoming future, while continuing to strive for academic excellence, I shall at the same time seek to serve my patients with compassion and empathy; not only as a physical healer, but also one who listens to their hearts along their rough way on cancer battle.

Joint Scientific Symposium, 13th September 2014

This symposium was jointly organized by the Hong Kong College of Radiologists and Hong Kong Lung Cancer Study Group and kindly sponsored by Eli Lilly Asia, Inc. It was held on 13th September 2014 in the Mira Hotel, Hong Kong. It was our privilege to have renowned local and overseas experts in this field to share their knowledge and experience with us.

The symposium began with the welcome speech from Dr. James Ho, Clinical Associate Professor, Department of Medicine, the University of Hong Kong, Queen Mary Hospital. Dr. Ho gave an overview about the disease burden of lung cancer in Hong Kong and worldwide. The welcome speech was followed by a lecture delivered by a distinguished speaker from Canada. Dr. Mark David Vincent, Associate Professor, Department of Oncology, Division of Medical Oncology, the University of Western Ontario, first presented the brief history of use of chemotherapy in managing lung cancer. Then he gave a comprehensive

Dr. Fiona Lim, Princess Margaret Hospital

review on current evidence of the use of maintenance therapies in lung cancer, including both continuation and switching maintenance approaches. The next talk was delivered by another expert in lung cancer, Professor James Yang, Graduate Institute of Oncology, College of Medicine, National Taiwan University. He updated on the use of molecular testing in lung cancer with focus on epidermal growth factors (EGFR) and anaplastic lymphoma kinase (ALK), and how the role of chemotherapy had been changed after emergence of tyrosine kinase inhibitors. Finally, he shared with us the current clinical practice on the use of tyrosine kinase inhibitors and chemotherapy in lung cancer in Taiwan. The symposium was well received by the audience.

I would like to take this opportunity to express my sincere gratitude and congratulations to Dr. Mark David Vincent, Professor James Yang, Dr. James Ho and the organizing committee for making the symposium a great success. Thank you.

28th International Congress of Radiology 2014 (ICR 2014), 9th - 12th September 2014

Dr. Wong Ka Tak, Prince of Wales Hospital

International Congress of Radiology (ICR) is one of the major international radiology conferences which every practicing radiologist would like to participate. With collaborative organization and sponsorship by International Society of Radiology (ISR) and Egyptian Society of Radiology and Nuclear Medicine (ESRNM), ICR 2014 was successfully held in World Trade Centre, Dubai, UAE on 9th to 12th September, 2014. I was very honored to have the opportunity to represent Hong Kong College of Radiologists (together with Dr. Stephen Cheung and Dr. Ting Kun Au-Yong) to attend the meeting and share our experience on non-invasive cardiovascular imaging with delegates worldwide.

Dubai is a city renowned for its warm hospitality and rich cultural heritage, and the Emirati people are welcoming and generous in their approach to visitors. This was perfectly reflected by how well the conference was organized: comprehensive programs covering all subspecialties in radiology suitable for

radiologists at various levels of experience; collaborative work of radiology societies (including American College of Radiology, Chinese Society of Radiology, Hong Kong College of Radiologists, just to mention a few) from all over the world for various International Joint Sessions; plenty of workshops and refresher courses for the benefit of trainees, radiographers and imaging technologists.

Being representatives from Hong Kong College of Radiologists, Dr. Cheung, Dr. Au-Yong and I presented three hot topics on cardiovascular imaging: Myocardial Perfusion with MR and MDCT; The best MDCT Post-processing Techniques in Routine Clinical Practice;

Cardiac Imaging: PET-CT Cutting Edge. We received questions and exchanged ideas from audiences and experts from overseas delegates that were very useful and enlightening.



I would like to give my special thanks to the Hong Kong College of Radiologists to offer sponsorship for the conference. Through future collaboration with international radiology societies, the experience

and spirit of radiologists of Hong Kong will be shared with and promulgated to the rest of the world.

The 15th Asian Oceanian Congress of Radiology (AOCR 2014) 24th - 28th September 2014

Dr. Leung Siu Ting Barry, Dr. Wan Yu Hon Alvin

Pamela Youde Nethersole Eastern Hospital



The 15th Asian Oceanian Congress of Radiology (AOCR 2014) was successfully held in Kobe, Japan from 24th to 28th September 2014 in combination with the 50th Autumn Assembly of the Japan Radiological Society. Being one of the most important radiological conferences in the Asian-Oceanian region, this biennial event has attracted over 2600 participants from 35 countries this year. Over 50 delegates from Hong Kong attended this meeting. All of them have enjoyed the comprehensive programme offered by the Congress, which ranged from basic anatomy and topic reviews to cutting-edge researches and advanced imaging techniques.

"Borderless Alliance - Education and Friendship" was the theme of AOCR 2014. In keeping with this theme, the Congress has provided a good platform to foster the acquaintances among different regional and international radiology societies, with emphasis on the exchange of professional knowledge, experience and friendship among participants.

Conjoint sessions were organized with the European Society of Radiology (ESR) and Radiological Society of North America (RSNA) to emphasize their alliance with the Asian Oceanian Society of Radiology (AOSR). Together with other regional and international radiology societies, the Hong Kong College of Radiologists (HKCR) has set up a booth at the Congress to introduce the College and its upcoming academic events. Participants of the meeting were impressed by the enthusiasm of the Hong Kong delegates who acted as HKCR ambassadors in promoting

the College and its future activities.

On the educational part, there were more than 40 series of educational lectures throughout the Congress which covered essentially all subspecialties in Radiology. Special lectures focusing on musculoskeletal and chest imaging were delivered by renowned international experts. In addition, the Congress has provided an excellent opportunity for participants to meet other regional and international delegates, to build up friendship and to establish collaborations.

Encouragement of active participation in research was another emphasis of AOCR 2014. Over 150 scientific papers and 250 posters were presented in the Congress this year, among which 36 presentations were delivered by Hong Kong delegates. The Congress also offered the Best Scientific Presentation and Exhibition Awards, and Young Investigator Scholarships to our delegates for their outstanding work and exceptional presentations. A total of 22 out of the 100 Young Investigator Scholarships were awarded to Hong Kong delegates - the highest among all participating countries and territories.

To conclude, participating in AOCR 2014 was a truly rewarding experience. One will not forget the high quality educational programme and hospitality of the local organizers. We shall be looking forward to the 16th AOCR which is scheduled in Beijing two years later from 19th to 21st August 2016.

Meeting with The Royal College of Radiologists (RCR) Officials & Examiners, 31st October 2014



Back row (from left to right): Dr. Poon Wai Lun, Dr. Wong Kam Hung, Dr. Chan Tze Mun, Dr. Anne Lee, Dr. Lam Hon Shing, Dr. Lui Chun Ying, Dr. Wong Yiu Chung, Dr. Henry Sze, Dr. Au Yong Ting Kun, Ms. Karen Law

Front row (from left to right): Dr. Jennifer Khoo, Dr. Shaun Gerard Gregory McGee, Dr. Lilian Leong, Dr. Giles Maskell, Dr. Law Chun Key, Dr. Christopher George, Dr. Chris Baughan, Dr. Tom Crosby

On 31st October 2014, our College Council held a meeting with the RCR Officials and Examiners including Dr. Giles Maskell (President of RCR), Dr. Christopher George (RD Senior Examiner of RCR), Dr. Chris Baughan (CO Senior Examiner of RCR), Dr. Shaun Gerard Gregory McGee (RD Examiner of RCR) and Dr. Tom Crosby (CO Examiner of RCR) in Bayview room, 2/F, Hong Kong Country Club, Hong Kong. During the meeting various matters with collaboration between RCR and HKCR were reported and discussed, including the Joint Final Examination of Fellowship 2014, the changes of examination format and our future direction as well as the progress of HKCR 15A Travelling Fellowship. The meeting was fruitful and Dr. C.K. Law, our College President representing our College Council, expressed sincere gratitude to Dr. Maskell and all the RCR Examiners for joining this meeting and thanked the Examiners for their great efforts and contributions in making the examination a big success.

Call for Application – HKCR 15A Travelling Fellowship 2015

HKCR 15A Travelling Fellowship aims to provide Fellows of Hong Kong College of Radiologists with advanced overseas training in United Kingdom for their continuous professional development, which may include attachment, workshops, short training courses, and study tours.

HKCR 15A Travelling Fellowship 2015 is now open for application. Application guidelines and application form is available at the College's website: http://www.hkcr.org/news.php/events_list/cid,3/nid,26

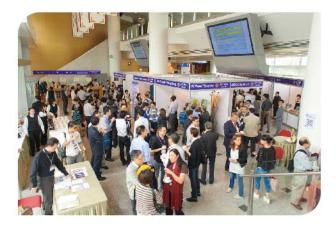
Deadline for Application: 31st March 2015

22nd Annual Scientific Meeting of Hong Kong College of Radiologists, 1st - 2nd November 2014

Dr. Kenneth C.K. Shiu, Dr. K.W. Shek, Queen Elizabeth Hospital



With a near record-breaking number of over 650 local and overseas attendances, the 22nd Annual Scientific Meeting of Hong Kong College of Radiologists was held successfully on 1st – 2nd November 2014 at the Hong Kong Academy of Medicine Jockey Club Building. The focuses of this year's meeting were on bone and soft Tissue Tumors and carcinoma of lung.



The program began in the first morning with excellent proffered papers selected from a large number of high quality abstracts submitted. A total of 33 papers were presented in all three subspecialties of the College, together with thought-provoking discussions and sharing during the sessions. In addition, 46 electronic posters were presented in three sets of 55" touch screen TVs and at the College website. The new electronic presentation system introduced this year offered enhanced learning experience for the readers.

The academic sessions were led by a faculty of local and international expertise in areas of radiology, clinical oncology, nuclear medicine, surgery as well as pathology. Presentations were made with an update on the recent advance in the area, multidisciplinary disease management approach, and invaluable experience sharing as well as panel questioning and answering session. I am sure no one will disagree to call them one of the best lecture series this year in our specialty in Hong Kong.

What's more in the two-day meeting were six satellite symposiums covering the latest oncological treatment, 19 technical exhibits by companies/ organizations and the challenging but exciting film quiz. The conference bag and umbrella designed by Dr. Lilian Leong received excellent feedback, appreciating its simple elegance in combining practicality and refinement.

Two candidates from Malaysia and Taiwan received grant from the Education and Research Fund of the College, aiming to encourage more radiologists in the Asia-Pacific region to participate in our meeting.

Last but not least, we would like to take this opportunity to thank the members of the organizing committees, College executive and secretarial staff, volunteers and those who helped in numerous ways to produce this conference. See you next year!



List of Awards

The HKSDR Trust Fund Award for the Best Oral Presentation in Radiology

Dr. WONG Sin Man

Department of Imaging and Interventional Radiology, Prince of Wales Hospital "Acute and subacute radiological changes of irreversible electroporation (IRE) on the kidneys with histological correlation: a swine model."



The Hong Kong Society of Clinical Oncology Award for Best Paper in Clinical Oncology

Dr. LIM Mei Ying

Department of Oncology, Princess Margaret Hospital "Treatment outcomes of stereotactic body radiotherapy (SBRT) for early stage I-II lung cancer: A single institute experience"

The Hong Kong Society of Nuclear Medicine Award for Best Paper in Nuclear Medicine Dr. YIP Yu

Department of Nuclear Medicine, Pamela Youde Nethersole Eastern Hospital "FDG-PET/CT characterization of adrenal lesions in oncological patients"



The HKSIR Award for the Best Oral Presentation in the sub-specialty of Interventional Radiology Dr. WONG Sin Man

Department of Imaging and Interventional Radiology, Prince of Wales Hospital "Acute and subacute radiological changes of irreversible electroporation (IRE) on the kidneys with histological correlation: a swine model."



The Young Presenter's Award – Radiology Stream Dr. NUNG Chi Hang Ryan

Department of Imaging and Interventional Radiology, Prince of Wales Hospital "Comparison of CT guided bone biopsy with a battery powered rotary bone biopsy system versus manual biopsy"



The Young Presenter's Award – Clinical Oncology Stream Dr. YEUNG Sin Yu

Department of Clinical Oncology, Tuen Mun Hospital "Simultaneously integrated boost technique in breast adjuvant radiotherapy"



The Young Presenter's Award – Nuclear Medicine Stream

Dr. Subapriya SUPPIAH

Department of Imaging, University Putra Malaysia
"Non Small Cell Lung Cancers With Emerging Resistance To Epidermal Growth
Factor Receptor Inhibitors (EGFR) Treatment: Can 18-FDG PET/CT Help?"



The HKSDR Trust Fund Award for the Best Poster

Dr. Jeanie ZHANG

Department of Radiological Sciences, University of California "Utility of Routine 3 Minute Delayed CT in the Trauma Setting"



The HKSIR Award for the Best Poster in the sub-specialty of Interventional Radiology Dr. CHU Cheuk Man

Department of Imaging and Interventional Radiology, Princes of Wales Hospital "Robot-assisted Navigation System for CT-guided Percutaneous Lung Intervention: Our Initial Experience"

Best Original Paper of Hong Kong Journal of Radiology Dr. LEUNG Hoi Ying

Department of Imaging and Interventional Radiology, Prince of Wales Hospital "Wrist traction during MR arthrography improves detection of TFCC and intrinsic ligament tears as well as articular cartilage visibility"



Best Original Article of Hong Kong Journal of Radiology (Volume 16) Dr. Grace HO

Department of Radiology, Queen Mary Hospital
Volume 16 Number 1, "Echogenic and Cystic Fetal Lung Lesions: Evaluation
by Prenatal Sonography and Postnatal Imaging"

Best Case Report of Hong Kong Journal of Radiology (Volume 16) Dr. MG Kamalapur

Department of Radiodiagnosis and Imaging, SDM College of Medical Sciences & Hospital, Dharwad, Karnataka, India Volume 16 Number 2, "Nodular Fasciitis of the Masticatory Space: Magnetic Resonance Imaging Evaluation"

Film Quiz Prizes

Dr. LEUNG Siu Ting Pamela Youde Nethersole Eastern Hospital

Dr. CHENG Hei Man Pamela Youde Nethersole Eastern Hospital

Dr. LAI Ming Hei Pamela Youde Nethersole Eastern Hospital

The 14th Joint Ceremonies for Admission of New Fellows of The Royal College of Radiologists & Hong Kong College of Radiologists, the 15th Ho Hung Chiu Lecture and Dinner of the Colleges, 1st November 2014

Dr. Jeanie Betsy Chiang, Queen Elizabeth Hospital



The 1st of November 2014 marked an important benchmark for many young members of the College. A total of 27 RCR Fellows and 25 HKCR Fellows were newly admitted at the 14th Joint Ceremonies of Admission of New Fellows of RCR and HKCR, offering a day of celebration and recognition as many of our new fellows begin a new chapter of life. In particular, Dr. Chow Chung Hang James was awarded the Frank Doyle Medal for Spring 2014 sitting of First FRCR Examination in Clinical Oncology and

Dr. Lai Wing Yu was awarded the Rohan Williams Medal for Autumn Sitting 2013 of Joint Final FRCR, providing appreciation of their earnest efforts and achievements.

Prof. Hans Gösta Ringertz MD PhD FRCR (Hon), FFRRCSI, FACR (Hon), an internationally renowned and outstanding radiologist, was admitted as an Honorary Fellow, while Mr. Andrew Fung, JP, was admitted as Honorary Member of the College.





Bringing the ceremony to further new heights, Prof. Gabriel Leung, GBS, delivered the thought provoking 15th Ho Hung Chiu Lecture, titled "the Grand Consilience". The lecture offered a new paradigm of thought, leaving the audience enveloped with novel ideas and inspiration.

Shortly after the admission ceremony, distinguished guests, members and friends of the College gathered for a warm and delicious College dinner. With the atmosphere decorated by the enthusiasm of new fellows,

joy and laughter of members and long time friends of the College, the ambiance was ecstatic. Time passed swiftly while the guests indulged in a night full of delightful performances. The most memorable, most will agree, would be the sonorous voice of Prof. David Fang along with the crisp piano notes of Prof. Gabriel Leung. With this note, the joyful night concluded with pure sophistication.



Appreciation to Sponsors





14th Joint Admission Ceremonies of RCR & HKCR and 15th Ho Hung Chiu Lecture





RSNA 2014 Centennial Celebration Art & Science Exhibition and Interview with Dr. Fung Kai Hung

Dr. Shiobhon Luk, Dr. Kendrick Tang, Pamela Youde Nethersole Eastern Hospital

As part of the celebration of the 100th RSNA annual meeting, an Art & Science Exhibition was organized at the RSNA 2014 meeting from 30th November to 5th December 2014. This exhibition displayed a stunning collection of cutting-edge and artistic medical images from renowned artists all over the world and included several masterpieces created by our local radiologist Dr. Fung Kai Hung.

When we knew about this exciting news, we met with Dr. Fung Kai Hung to learn more about his artwork that were displayed at the RSNA 2014 Centennial Celebration Art & Science Exhibition and about his journey to becoming an artist.



RSNA 2014 Art & Science Exhibition



Hong Kong attendees visiting the RSNA 2014 Art & Science Exhibition



Interview with Dr. Fung Kai Hung

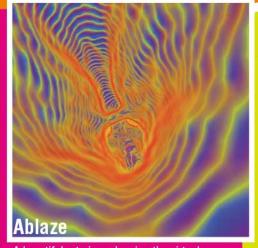
Six of Dr. Fung's masterpieces were chosen to be featured at the exhibition, including:

- 'Ablaze' which is a beautiful art piece showing the virtual endoscopic view of the third ventricle
- 'Matter of the Heart' which is a masterpiece showing the 3D CT image of a coronary artery-pulmonary artery fistula
- 'Kaleidoscopic Colon' which is a dazzling artwork showing the rainbow-rendered virtual endoscopic view of the colon
- 'Beckoning Hand' which is an inspiring art piece showing the 3D CT view of the carpal tunnel
- 'Van Gogh Remembered' which is a wonderful imagery showing the 3D CT rainbow-rendered image of an aortic stent-graft
- 'Ode to Jackson Pollock' which is a masterpiece showing a 3D rotational digital subtraction angiography image of the nidus of a brain arteriovenous malformation

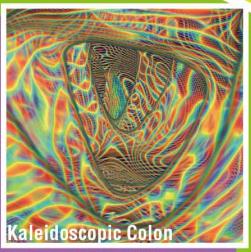
Being a well-experienced neuroradiologist who specializes in 3D imaging, Dr. Fung has always been an artist at heart. Very early in his career, he was already curious to know whether it is possible to use various imaging and rendering techniques to present the beauty of internal body structures.

Dr. Fung Kai Hung's masterpieces that were displayed at the RSNA 2014 Centennial Celebration Art & Science Exhibition

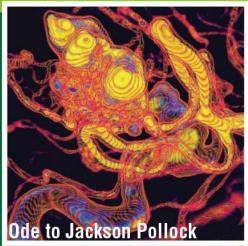
(Images: Courtesy of Dr. Fung Kai Hung)



A beautiful art piece showing the virtual endoscopic view of the third ventricle. © Kai-hung Fung 2015



A dazzling artwork showing the rainbowrendered virtual endoscopic view of the colon. © Kai-hung Fung 2015



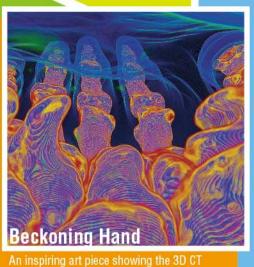
A masterpiece showing a 3D rotational digital subtraction angiography image of the nidus of a brain arteriovenous malformation.

© Kai-hung Fung 2015



A masterpiece showing the 3D CT image of a coronary artery-pulmonary artery fistula.

© Kai-hung Fung 2015



view of the carpal tunnel.

© Kai-hung Fung 2015



A wonderful imagery showing the 3D CT rainbow-rendered image of an aortic stent-graft. © Kai-hung Fung 2015

'I invented the "Rainbow Technique" which is a method using the stacking artifacts between individual image slices to build a 3D image to create a contour line effect, each contour line being rendered in rainbows of colors,' he said. 'I accidentally discovered this technique while experimenting with different software settings,' he explained.

Dr. Fung also pioneered the color 3D and 4D Moiré art rendering techniques, which are various mapping algorithms and color spectra producing stereoscopic artwork from CT and MRI images. These pioneering special image rendering methods have earned him various local and international awards and his masterpieces have been exhibited in Hong Kong and overseas throughout the years.

His pioneering work in 3D medical visualization techniques also contributed to the invention of stereoscopic robotic surgery at the Pamela Youde Nethersole Eastern Hospital, contributing to the advancement of medicine.

The RSNA 2014 Centennial Celebration Art & Science Exhibition demonstrated how art and creativity could be integrated with radiology and technology. It brought together a compilation of artwork that inspired many of the RSNA attendees. The interview with Dr. Fung Kai Hung offered a great opportunity for us to learn how his enthusiasm, intense passion and skill in radiology have earned him recognition in the international arena.

Lung Cancer Symposium, 29th November 2014

Dr. Ann Chan, Queen Mary Hospital

The Lung Cancer Symposium, organized by the Hong Kong Lung Cancer Study Group (HKLCSG) and supported by the Hong Kong College of Radiologists, was successfully held on 29th November 2014 at the Queen Elizabeth Hospital and was greatly appreciated and well received by the audience.

We were very privileged to have invited Dr. Mitchell C.C. Liu, Clinical Associate Professor of the University of British Columbia and Director of Lung Cancer Radiation Oncology of British Columbia Cancer Agency (BCCA) in Vancouver, Dr. C.C. Ma, Chief of Service of Cardiothoracic Surgery Unit in Queen Elizabeth Hospital and Dr. S. K. Au, Consultant of the Department of Clinical Oncology in Queen Elizabeth Hospital, to share their knowledge and experience with us.

Dr. Mitchell C.C. Liu is renowned for the application of technological innovations in radiation oncology and his major clinical focus is lung cancer, gastrointestinal tumors and stereotactic body radiotherapy therapy in lung, liver, spine and oligometastasis. Dr. Liu started off the symposium with an inspiring talk on stereotactic ablative radiotherapy (SABR) of early non-small cell lung cancer (NSCLC). Dr. Liu enlightened the audiences the advances in SABR which had shown very promising result in giving higher biologically equivalent dose, achieving much better local control in selected patients and carrying low toxic effect for early peripheral lung cancer in patient with chronic lung disease and the elderly.

The symposium was continued by Dr. C. C. Ma. From a

surgeon's perspectives, Dr. Ma delivered an informative and educational talk on the surgical treatment of early lung cancer.

Another highlight of the symposium was the talk delivered by Dr. Mitchell Liu on the use of SABR on oligometastasis. With the aid of interesting cases and clinical data, he emphasized that patients with oligometastasis could achieve better local control and long-term survival with local ablative therapy. SABR is the high precision and high dose local radiation therapy that improves targeting, planning and treatment delivery. He ended the talk by concluding that treatment of oligometastasis was common yet lacking high evidence and enlightening us on the recent research in that field. He shed light on the importance of better prognostication and patient selection with more prospective databases and meta-analysis in the future as well as better detection and delineation of metastasis with multimodality imaging for radiation planning.

The final talk was delivered by Dr. S.K. Au who gave us a thorough overview on chemoradiation of stage III NSCLC with strong clinical evidence and experience.

This was a fruitful and successful symposium that aroused our interest in the new advances of SABR and gave us a comprehensive review on treatment of early or locally advanced lung cancer. I would like to take this opportunity to express our heartfelt gratitude towards Dr. Mitchell Liu, Dr. C.C. Ma and Dr. S.K. Au and the organizers for making this symposium a great success.

Christmas Lunch with HKCR Secretariat, 13th December 2014



Christmas lunch with HKCR Secretariat is a special occasion for the College Council to reward and to show appreciation to the secretariat team for their contribution and effort in this past year. The atmosphere over the Christmas lunch was joyful.

Back row (from left to right): Ms. Candy Wong,
Miss Christy So, Miss Phyllis Wong, Ms. Karen Law,
Dr. Stephen Cheung
Front row (from left to right): Dr. Wong Yiu Chung,
Dr. Law Chun Key, Dr. Lilian Leong, Dr. Jennifer Khoo
Dr. Tong Cheuk Man. Dr. Henry Sze

Leisure Corner Looking Back: Highlights from the History of Radiology

Dr. Shiobhon Luk, Pamela Youde Nethersole Eastern Hospital
Dr. Kathy Wong, Kwong Wah Hospital

This is the fourth issue of a series called "Looking back: Highlights from the History of Radiology." In this issue, we will present another innovation in the evolution of radiology - magnetic resonance imaging. We will illustrate how this imaging modality has shaped the modern era of radiology. We are delighted to have the opportunity to interview Dr. Tang Kwok Wing, Chief of Service, Department of Radiology & Imaging, Queen Elizabeth Hospital. He is one of the local experts who has witnessed the development of MRI in Hong Kong and will be sharing with us many interesting local MRI history stories.

Interview with Dr. KW Tang, Chief of Service, Department of Radiology & Imaging, Queen Elizabeth Hospital

Part 4: The Story of MRI

The birth of MRI and its early clinical application

As with the invention of other imaging modalities, the invention of MRI is again the result of contribution from many individuals in the scientific and medical fields. The story of MRI began in the early 20th century when scientists became interested in the magnetic properties of nuclei and how these properties are expressed under different conditions.

Serbian inventor Tesla (1856 – 1943) discovered the rotating magnetic field and the famous unit of magnetic field strength was named after him in recognition of his discovery. Larmor (1857 – 1942), an Irish physicist, discovered a way to calculate the rate at which energy is radiated by an accelerated electron. The well-known Larmor equation states that the frequency of precession of the nuclear magnetic moment is directly proportional to the product of the magnetic field strength and the gyromagnetic ratio.

In the 1930s, an Austrian physicist Rabi discovered a way to detect and measure single states of rotation of atoms and molecules. He succeeded in determining the magnetic moments of the nuclei. In 1946, Bloch and Purcell discovered the magnetic resonance phenomenon and developed instruments which could measure the magnetic resonance in bulk materials such as liquids and solids. They demonstrated that the radiofrequency signal emitted by the nuclei could yield information about the sample's chemical composition, forming the basis of nuclear magnetic resonance spectroscopy. In 1952, Robert Gabillard, Herman Carr and Edwin Purcell discovered the use of field gradients for linear spatial localization. Their discovery was fundamental to the development of gradient imaging.

In 1970, Damadian discovered the marked difference in relaxation times between normal and abnormal tissues of the same type, as well as between different types of normal tissues. This variation in tissue proton relaxation and density difference form the basis of contrast and anatomic detail in MRI. In 1971, Damadian's findings and the preliminary concept of an MRI scanner was published in the journal Science.

Leisure Corner Looking Back: Highlights from the History of Radiology

In the early 1970s, Lauterbur, professor of chemistry, biophysics and computational biology and bioengineering at the University of Illinois, discovered the possibility of creating a two-dimensional image by introducing gradients in the magnetic field and using a back projection technique similar to that used in CT.

Mansfield, emeritus professor of physics at the University of Nottingham, UK, further developed the use of gradients in magnetic field and showed how the signals could be mathematically analyzed, making it possible to develop a useful imaging technique. In 1974, he developed a fast pulsed-sequence method.

In 1975, Kumar, Welti and Ernst proposed the possibility of using phase and frequency encoding, and the Fourier Transform methods in magnetic resonance imaging. By using the Fourier transform methods to analyze the emitted radiofrequency signal, magnetic resonance imaging data could be gathered and analyzed much more rapidly.

Finally in 1976, Damadian designed the first whole body MRI scanner and he published the first MRI image of the human body in 1977 in the journal Physiological Chemistry and Physics. In the following years, improvement in imaging technique was made. In 1977, Mansfield developed the echo-planar imaging technique. In 1980, Edelstein, Hutchison and Johnson introduced the spin warp method for phase coding, which reduced image acquisition time and made it possible to obtain a single image in about five minutes.

In 1980, Damadian introduced the first commercial MRI scanner. Information about this innovative discovery quickly spread throughout the world and the medical community soon realized the importance of this new imaging modality. MRI contrast agents were soon developed in the early 1980s, adding to the diagnostic capability of MRI examinations.

The march of progress and the modern era

Since the introduction of the first commercial MRI scanner in 1980, tremendous research and developments have been made in the past thirty-four years. With the advances in computer, coil and magnet technology, MRI image quality has improved with higher contrast and lower noise, better spatial resolution and improved speed of image acquisition.

Improvement in design of MRI scanners was also made in the past decades. The early generation of MRI scanners was constructed as a long narrow tunnel. With advances in magnet technology, magnets became shorter and narrower, increasing the bore diameter, making MRI scanners more suitable for imaging patients.

One of the breakthroughs in the past few decades was the development of the superconducting magnet technology. Early generation magnets were cooled using liquid helium, which made MRI scanners bulky and heavy. With the superconducting magnet system, the helium can be boiled off much slower and MRI scanners can be made much smaller. Superconducting magnets allowed field strengths of 0.5T, 1.0T, 1.5T, and 3T for clinical application and up to 7 Tesla or more for research purposes.

In the early 1990s, progress was made in functional MRI. The early functional MRI techniques were applied to brain imaging, mapping the function of various regions of the central nervous system. Advanced application of MRI such as perfusion examination and tractography were also made possible. ECG triggering was later developed, which allowed imaging of the structural features and physiological function of the heart without significant motion artifact.

The latest innovation in the recent decade is the multi-modality system which enables the combined use of various scanning technologies, such as MRI with PET, to provide combined anatomical-functional information.





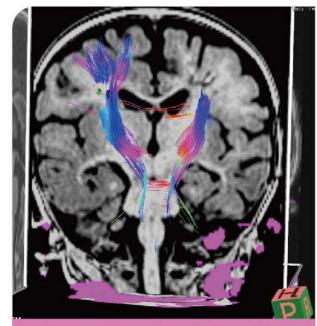


MRI examination of the spine in the 1990s. (Images adapted from the Radiology 2000 Hong Kong International Congress booklet)

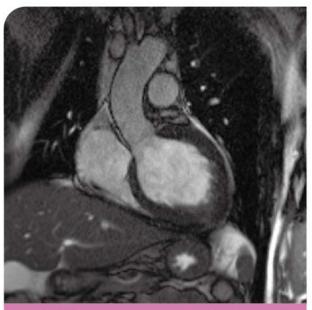




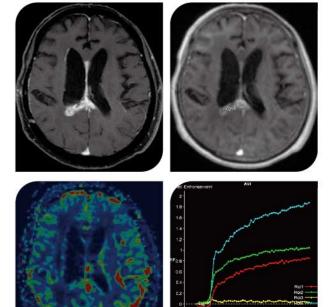
MRI examination of the spine in the early 2010s. Significant improvement in contrast and spatial resolution has been achieved in the recent decades.



MR tractography – an advanced application of MRI developed in the recent decades. MR tractograhy image showing focal areas of tract disruption of the right corticospinal tract.



Cardiac MRI – an innovative non-invasive imaging modality of the function and structure of the heart

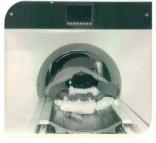


MRI brain perfusion study. – a promising tool in the assessment of stroke, brain tumors and neurodegenerative diseases. Images of a brain perfusion study of a patient with known glioblastoma multiforme, status post-operation and post-radiotherapy, showing irregular enhancing lesion at the corpus callosum with increased permeability and elevated rCBV, compatible with disease progression.

History of MRI in Hong Kong



Radiofrequency generator from the first generation MRI machine in Queen Elizabeth Hospital.
(Radiofrequency generator: courtesy of Dr. Tang Kwok Wing, Chief of Service, Department of Radiology & Imaging, Queen Flizabeth Hospital)





First MRI machine installed in public hospital in Hong Kong. It was a 1 Tesla MRI scanner and was installed in Queen Elizabeth Hospital in 1992.

(Photos: Courtesy of Dr. Tang Kwok Wing, Chief of Service, Department of Radiology & Imaging, Queen Elizabeth Hospital)

As with other imaging modalities, the acquisition of MRI scanners in Hong Kong had been rapid and closely followed the pace of advancement in the rest of the world. The first MRI scanner, which was based on a 0.03 Tesla permanent magnet system, was installed at a private hospital in Hong Kong in 1988. A few more MRI machines were acquired by several private hospitals in the following two years, including the first superconducting MRI system and a 1.5 Tesla scanner.

The first government MRI machine was installed in Queen Elizabeth Hospital in August 1992 and it was a 1 Tesla Machine. In the early years, this MRI machine served all the patients who were under public hospital care in various districts all over Hong Kong Island, Kowloon and the New Territories,' said Dr. Tang Kwok Wing, Chief of Service, Department of Radiology & Imaging, Queen Elizabeth Hospital. The types of scanning sequence were limited and image acquisition time was long. A routine contrast-enhanced MRI examination of the brain would take about an hour to acquire the images and inevitably motion artifact was sometimes a problem.'

'In those days, the MRI sessions were scheduled throughout the day and were shared among the public hospitals. Radiologists from various hospitals would rotate to Queen Elizabeth Hospital on a sessional basis to report the MRI examinations of their patients. This system offered an excellent platform for knowledge exchange, sharing of experience and training,' Dr. Tang explained. 'Local radiologists also made good use of the opportunity to attend overseas course and attachment to learn more about this new imaging modality.'

'In the early years of MRI, the local radiology community was already aware of the potential risks in the MRI environment and the importance of MRI safety. The radiology staff tried their best to uphold a safe and responsible practice in the MR environment to prevent

adverse incidents involving patients, equipment and personnel,' Dr. Tang commented.

The second and third government MRI scanners were installed in Queen Mary Hospital and Prince of Wales Hospital in March 1995 and July 1995 respectively. These were both 1.5 Tesla MRI scanners. The fourth government MRI scanner was installed in Tuen Mun Hospital in 1997 and it was also a 1.5 Tesla MRI scanner,' he added.

The number of MRI scanners installed in Hong Kong gradually increased since the 1990s, Up till 2014, there are a total of 17 MRI scanners in Hospital Authority hospitals, including two 3Tesla MRI scanners in Queen Mary Hospital and Tuen Mun Hospital. Nowadays MRI has become the imaging modality of choice for various conditions,' said Dr. Tang.

The invention and technological advancement of MRI in the past few decades highlight the importance of contribution from both the scientific and medical fields. 'It will be helpful for local radiologists to learn more about MRI physics, as this could bridge the gap between basic science and the clinical application of MRI imaging techniques,' Dr. Tang remarked. 'This can also help us with future research on areas such as advanced imaging sequence design, pushing the frontiers and further unleashing the full potential of MRI.'

Since its invention, MRI has progressed from an imaging technique with great predicted potential to one that has become an important diagnostic investigation of choice for various conditions, contributing to improvement in patient management. The invention and developments of MRI were the result of many who demonstrated commitment and scientific skills, overcoming numerous technological hurdles along the way. In the next issue, we will present another milestone in the development of radiology. Stay tuned!

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Dinner with our Honorary Legal Advisor, Honorary Auditor & Associates and Hang Seng Investment Management Limited (HSVM), 15th December 2014

Dr. Tong Cheuk Man, Honorary Treasurer of Hong Kong College of Radiologists



Back row (from left to right): Dr. Henry Sze, Dr. Poon Wai Lun, Dr. Au Yong Ting Kun, Dr. Yuen Ming Keung, Dr. Tong Cheuk Man, Dr. Wong Kam Hung, Dr. Anne Lee, Dr. Lui Chun Ying, Dr. Arthur Liu, Dr. Wong Yiu Chung, Dr. Tan Chong Boon, Dr. Danny Cho, Dr. Elaine Kan, Ms. Karen Law Front row (from left to right): Dr. Jennifer Khoo, Mr. Charles Chan, Mr. Andrew Fung, Dr. Law Chun Key, Mrs. Mabel Lui, Ms. Pammy Fung, Ms. Penny Chan, Dr. Lilian Leong

As a token of appreciation to the expertise financial planning and investment advice to our College, a dinner was organized on 15th December 2014 to express our gratitude to their support throughout these years.

Our honored guests in the dinner included:

Mr. Andrew Fung Director & General Manager, Institutional Business, HSVM
Dr. Arthur Liu Executive Vice President, Institutional Business, HSVM
Mr. Charles Chan Honorary Auditor, Hong Kong College of Radiologists

CEO, Crowe Horwath (HK) CPA Limited

Ms. Pammy Fung Director, Crowe Horwath (HK) CPA Limited
Ms. Penny Chan Principal, Crowe Horwath (HK) CPA Limited

Mrs. Mabel Lui Honorary Legal Advisor, Hong Kong College of Radiologists

Partner, Head of Corporate - Asia, Winston & Strawn

Our College has engaged in many activities which frequently entails financial implications and complicated accounting matters. We have always been able to count on HSVM, Mr. Charles Chan and his colleagues for monitoring our portfolio and rendering sustained advisory services to secure a stable financial position throughout these years. In addition, Mrs. Lui, our Honorary Legal Advisor, has been very supportive since the early days of the founding of our College. We would like to take this opportunity to also express our appreciation to HSVM, our Honorary Legal Advisor, Mrs. Mabel Lui, and our Honorary Auditor, Mr. Charles Chan.

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Dr. LUI Chun Ying

Dr. MA Ka Fai, Johnny

Dr. POON Wai Lun, William

Dr. WONG Ka Tak, Jeffrey

Clinical Oncology

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Dr. AU Siu Kie

Dr. CHENG Chi Kin, Ashley

Dr. HUI Pun

Dr. KAM Koon Ming, Michael

Dr. LUK Mai Yee, May

Dr. NG Wai Tong

Dr. Francis TANG

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Dr. WONG Yiu Chung, Ivan

Dr. NGAI Wai Tat

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(Chairman)

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Dr. WAN Wing Suet, Catherine

Dr. WONG Cheuk Kei, Kathy 🥕

Our College has the following numbers of members as at 31 January 2015:

Status	Number
Honorary Fellow	15
Honorary Member	6
Fellow	485
Member	130
Trainee Member	43
Associate Member	1
Total	680

List of Fellows admitted from 1 August 2014 till 31 January 2015:

Admission date	Name	Specialty	Training Center
27 January 2015	CHAN Ho Fung	RD	PMH
27 January 2015	CHAN Wai Yee Lydia	RD	NDH
27 January 2015	FOK Wing Shan Elaine	RD	QEH
27 January 2015	LEE Chi Yan	RD	TMH
27 January 2015	LEUNG Hoi Ying	RD	PWH
27 January 2015	SHIU Chun Kit	RD	QEH
27 January 2015	SUNG Ham Tung	RD	PYNEH
27 January 2015	TANG Peggy	RD	PWH
27 January 2015	TEE Man Fai Lawrence	RD	KWH
27 January 2015	WAN Wing Suet	RD	TMH
27 January 2015	YEUNG Tsz Wai	RD	TMH
27 January 2015	YU San Ming	RD	UCH
27 January 2015	CHAN Tim Wai	CO	QEH
27 January 2015	CHEUNG Ka Wai Alice	CO	TMH
27 January 2015	LEE Wai Yin	CO	PMH
27 January 2015	LEUNG Kwok Chuen Dennis	CO	QMH
27 January 2015	LEUNG Kwun To Anthony	CO	QEH
27 January 2015	TAI Yin Ping	CO	QEH
27 January 2015	TIN Winnie Wing Yan	CO	TMH
27 January 2015	WONG Lai San	CO	QMH
27 January 2015	YEUNG Sin Yu	CO	TMH

List of Members admitted from 1 August 2014 till 31 January 2015

Admission date	Name	Specialty	Training Center
26 August 2014	CHAN Ting Sang	RD	PYNEH
26 August 2014	LAI Terence Kin Bong	RD	PMH
19 September 2014	NG Fung Him	RD	UCH
25 November 2014	CHEUNG Wai Pan	RD	KWH
25 November 2014	CHIN Wing Yan Thomas	RD	QEH
25 November 2014	LI Birgitta Yan Wing	RD	TMH
25 November 2014	SO Man Hon	RD	KWH
25 November 2014	WONG Ho Lim	RD	TMH
16 December 2014	WU Philip Yuguang	CO	PYNEH
16 December 2014	YIP Yan Yee Chloe	CO	PYNEH

List of Trainee Members admitted from 1 August 2014 till 31 January 2015:

Admission date	Name	Specialty	Training Center
26 August 2014	CHEUNG Kin On	RD	NDH
26 August 2014	TSUI Waylon Wai Chung	RD	KWH
26 August 2014	WONG Ho Ching Amy	RD	PYNEH
19 September 2014	CHAN Tak Kwong	NM	PYNEH
19 September 2014	CHENG Ngan Sum Jean	CO	TMH
19 September 2014	CHOW Chun Kei Boris	RD	QEH
19 September 2014	CHOW Denise Long Yin	RD	TMH
19 September 2014	CHU Yin Lun Edward	RD	QMH
19 September 2014	CHUK Yuen Hing Elizabeth	CO	QEH
19 September 2014	KO Wei Sum Koel	RD	PWH
19 September 2014	LENG Yong Mei	RD	TMH
19 September 2014	∐ Yan Lin	RD	QMH
19 September 2014	LUI Kam Ho	RD	PYNEH

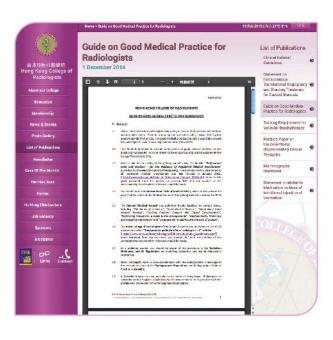
MEMBERSHIP STATUS

Admission date	Name	Specialty	Training Center
19 September 2014	MO Kwun Man Cyrus	RD	PYNEH
19 September 2014	NG Koon Kiu	NM	QEH
19 September 2014	TSAI Siu Chun	RD	PWH
19 September 2014	TSUI Hoi Ling	RD	UCH
19 September 2014	TSUI Yue Man Therese	CO	QEH
19 September 2014	WONG Ho Yuen Frank	RD	QMH
19 September 2014	YU Chun Hung Kevin	RD	TMH
19 September 2014	YU Man Leung	RD	QMH
25 November 2014	CHIN Wing Tsung Anthony	RD	UCH
25 November 2014	LO Sheung Yan	RD	UCH
25 November 2014	WU King Hung	NM	QMH
27 January 2015	SO Tsz Him	CO	QMH

Announcement

The latest version of the Guide on Good Medical Practice for Radiologists is now available at the College website. This document provides important information on the professional role and responsibilities of radiologists. These guidelines were updated by the College in December 2014 and again demonstrated the continuing commitment of the College towards improving standards in radiology.

For further details, please visit the website: http://www.hkcr.org/lop.php/ggmpr



Forthcoming Meetings in 2015

Date	Event	Venue	Website
4-8 March 2015	European Congress of Radiology (ECR 2015)	Vienna, Austria	http://www.myesr.org/cms/ website.php?id=/en/ ESR_ECR_news.htm
22-27 March 2015	Society of Abdominal Radiology (SAR) 2015 Annual Scientific Meeting	California, USA	http://www. abdominalradiology.org/
27-28 March 2015	EORTC-EANO-ESMO 2015	Istanbul, Turkey	http://www.ecco-org.eu/ EEE2015
28-29 March 2015	Hong Kong Cardiac MRI Teaching Course and Workshop (includes mentored cases for SCMR Level 1)	Hong Kong SAR, China	http://www.hkcchk.com
17-20 April 2015	45 th Annual Scientific Meeting of the Australian and New Zealand Society of Nuclear Medicine (ANZSNM)	Brisbane, Australia	http://www. anzsnm2015.com.au
22-25 April 2015	German Society Of Nuclear Medicine Annual Congress 2015 (DGN 2015)	Hannover, Germany	www. nuklearmedizin2015.de
24-28 April 2015	3 rd ESTRO Forum	Barcelona, Spain	http://www.estro.org/ congresses-meetings/ items/3rd-estro-forum
8-9 May 2015	Hong Kong Musculoskeletal Ultrasound Course 2015	Hong Kong SAR, China	http://www.mskushk.org/
14-16 May 2015	RadiologyAsia 2015	Singapore	http://www.radiologyasia. com/events/radiologyasia- 2015/event-summary-39374 af0d4bd4704890e5 dd8d104a27f.aspx
29 May – 2 June 2015	American Society of Clinical Oncology Annual meeting 2014 (ASCO 2015)	Chicago, USA	http://am.asco.org/
6-8 June 2015	5 th IDKD Intensive Course in Asia	Beijing, China	www.idkd.org
6-10 June 2015	The Society of Nuclear Medicine & Molecular Imaging (SNMMI) 2015 Annual Meeting	Maryland, USA	www.snm.org
11-13 June 2015	9 th Congress of Asian Society of Cardiovascular Imaging	Kuala Lumpur, Malaysia	http://www.nham- conference.com/?event =6&cmd=home
1-4 July 2015	17 th World Congress of Gastrointestinal Cancer	Barcelona, Spain	www.worldgicancer.com

Date	Event	Venue	Website
31 July –	13 th Asian Breast Disease Association	Kuala Lumpur,	www.abda-breast.org/
2 August 2015	Teaching Course	Malaysia	12th-TC2014.html
21-23	Malaysian Congress of Radiology	Putrajaya,	http://www.
August 2015	(MCOR 2015)	Malaysia	radiologymalaysia.org
9-12	71 st Korean Congress of Radiology	Seoul,	www.kcr4u.org
September 2015	(KCR 2015)	Korea	
25-29 September 2015	18 th ECCO & 40th ESMO European Cancer Congress	Vienna, Austria	http://www.esmo.org/ Conferences/European- Cancer-Congress-2015
29 October –	66 th Annual Scientific Meeting	Adelaide,	http://www.
1 November 2015	of RANZCR	Australia	ranzcr2015.com/
8-11	47 th Congress of the International Society of Paediatric Oncology (SIOP 2015)	Cape Town,	http://siop-online.org/
October 2015		South Africa	page/congresses
10-14	EANM'15 - 27 th Annual Congress of the	Hamburg,	www.eanm.org
October 2015	European Association of Nuclear Medicine	Germany	
18-21 October 2015	57 th Annual Meeting of American Society for Radiation Oncology (ASTRO)	San Antonio, USA	https://www.astro.org/ Meetings-and-Events/2015- Annual-Meeting/Index.aspx
5-7	10 th Asian Oceanian Congress	Fukuoka,	http://aocnr2015.umin.jp/
November 2015	of Neuroradiology (AOCNR 2015)	Japan	index.html
29 November – 4 December 2015	Radiological Society of North America Annual Meeting 2015 (RSNA 2015)	USA	http://www.rsna.org

HKCR Council Meeting Dates in 2015

 27 January 2015
 28 April 2015
 28 July 2015
 27 October 2015

 24 February 2015
 26 May 2015
 25 August 2015
 24 November 2015

 31 March 2015
 30 June 2015
 18 September 2015
 15 December 2015

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