



香港中文大學

矯形外科及創傷學進修培訓中心

Orthopaedic Learning Centre

The Chinese University of Hong Kong

NEWSLETTER



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Learn and Practice to Serve Better

Editor's Notes

Year 2005 marks a new milestone of our Centre. Not only does our Centre has equipped advanced surgical instruments/equipments for hands-on training but also we will start to produce educational materials for orthopaedic surgeons and medical institutes as self-study educational programs.

Our Audio-Visual (AV) Centre has started running on April, 2005. It is equipped with a digitizer for 3-D animation, and the latest softwares and hardwares for AV production. With experts from our clinical team and ITAV-ACAOS team, we have confident to produce professional educational materials.

We hope that our new step can create the dynamic impact of surgical education.

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Program Report

Musculoskeletal Oncology Course: Radiology, Pathology and Principles of Management (A course for advanced trainees) - 16th May 2005

Dr Kwok Chuen WONG

There are only three hospitals in Hong Kong having quaternary services on musculoskeletal oncology. In view of lack of comprehensive training in this field, a musculoskeletal oncology course was held for our orthopaedic trainees at the Orthopaedic Learning Centre in Prince of Wales Hospital on May 16, 2005. We had invited speakers from different specialties, namely radiologists, oncologists and orthopaedic tumor surgeons. The international orthopaedic tumor surgeon was Prof FJ FRASSICA, who is the chair professor of Orthopaedic Oncology in Johns Hopkins University, United States. Prof FRASSICA is the world leading expert of the field and he is also an excellent teacher. There were a total of 23 participants.

The course was an one day course which covered the essential principles in managing musculoskeletal tumor. Three main areas were discussed. They were the management of primary bone tumor, soft tissue sarcoma and metastatic bone diseases. Management of musculoskeletal oncology depended much on team work. Participants appreciated much about this after attending the talks given by various specialties. They had a better understanding of different imaging modalities, how to make a biopsy, adjuvant therapy (chemotherapy and radiation therapy) which were essential in overall success of the treatment. Common cases in our daily clinical practice were discussed in between lectures to make the course more interactive. Quiz cases were also posted up during the time of tea break and lunch and they were discussed under the guidance of Prof FRASSICA at the end of the lectures.

Prof FRASSICA was kind enough to give another tutorial to our trainees on May 17, 2005. The tutorials were examination oriented and included many interesting and common examination cases. All trainees enjoyed much and learnt a lot from the one and a half hours' tutorial. At the end of the tutorial, many trainees got his signature because he was one of the authors in the Miller textbook of "Review of Orthopaedics".

The course ended with great success and excellent feedback from the participants as it was the first comprehensive musculoskeletal oncology course with invitation of the world leading expert to Hong Kong. We shall continue to organize similar course with different themes each year in the future.



Group Photo

8th Advanced Trauma Course 2005 (New Technology in Fracture Fixation - Locked Plate Fixation) - 11th – 12th June 2005

Dr Tze Ping LAM

The theme of AADO's 8th Advanced Trauma Course 2005 was "New Technology in Fracture Fixations - Locked Plate Fixation". It was held on 11-12th of June, 2005 at the Orthopaedic Learning Center of Prince of Wales Hospital, The Chinese University of Hong Kong.

The invited faculty comprised the world experts in the field. They included Mr. R FRIGG from USA, Mr. C LUTZ from Germany, Professor REGAZZONI and Dr. P PROCTER from Switzerland, Dr. G TAGLANG from France, Professor BF ZENG from China and Professor T MATSUSHITA from Japan. The local speakers included Professor KS LEUNG, Dr. WY SHEN and Dr. F LEUNG.

Professor KS LEUNG and Dr. N TANG were the main architects to make all these happen within a compact and seamless one-and-a-half-day program.

With the presence of world-renowned orthopaedic surgeons and pioneers in basic science research and engineering, a multi-dimensional presentation of the locked plate fixation system was delivered.

Professor MATSUSHITA first gave an account of the history of operative techniques for fracture fixation. Professor KS LEUNG then introduced the problems of fixation in osteoporotic bones which will be one of the main orthopaedic challenges for the next few decades.

Mr. R FRIGG and Mr. C LUTZ, the representative engineers from two leading industries in the field, enlightened the audience on the mechanical principles and design of the new locked plate fixation systems which were developed with the view to solve the problems mentioned in Professor LEUNG's lecture.

Equipped with the background knowledge behind the development of the locked plate fixation system, the audience then received a comprehensive account of the indications and surgical techniques of this powerful system from Dr. G TAGLANG and Professor P REGAZZONI.

Afterwards, Professor BF ZENG, Professor P REGAZZONI, Dr. F LEUNG, Dr. G TAGLANG and Dr. WY SHEN delivered their clinical experiences on locked plate fixation for fractures in different regions namely the proximal humerus, distal radius, distal femur, proximal tibia and metaphyseal regions in general.

The highlight of the program was the "Case Discussion" session when the invited speakers presented their personal difficult cases and their preferred method of treatment. Once again, the science of fracture healing, philosophy of fracture treatment, scientific and clinical rationale of the locked plate fixation system were shared between the world experts and the participants.

The post-symposium workshop took place on the second day. It was actually a joint activity in which the participants gained a hands-on experience of working with both Stryker and AO's locked plate fixation systems at the same spot. The artificial bones enhanced with soft tissue components included the proximal and distal humerus, distal radius, distal femur and proximal and distal tibia.

At this juncture, the participants have gone through all elements of learning required for getting a thorough understanding of the locked plate fixation system :- starting from 1886 when Hansmann invented his first plate for fracture fixation..., to the analysis of forces acting at the screw-plate interface and bone-screw interface..., to the detailed review of difficult clinical cases..., and to the participant's hands-on attempt of inserting screws through the specially designed locking mechanism on the plate.

After going through this well-designed symposium and workshop, the participants should be ready to treat their patients so as to make them benefit from this new technology in fracture fixations – *The Locked Plate Fixation*.



Demonstration of locked plate technique by Dr. TAGLANG and Dr. SHEN.



Hands-on Workshop

Research Day - 12th March 2005

Prof. Wing Hoi CHEUNG

Research Day was held on the 12th of March in 1/F Postgraduate Education Center. There were about 150 participants, with 84 from local institutions, 45 from China, 1 from overseas and 20 from our Department staff. Research Day was started with a laboratory visit of Orthopaedic Learning Center, Lee Hysan Laboratories and JOCOC. Afterwards, the participants joined the podium and poster sessions, with demonstration of clinical (Navigation, Mechanical arm, SmartWard, Virtual Surgery) and basic science (Low intensity pulsed ultrasound, shockwave, electrical stimulation, vibration platform, balance master and hip protector) deliverables.

The response of participants was very keen. They knew more on our Department research and discussed with

Professors for further collaboration during the collaborative discussion tea break hour



Poster Exhibition



Demonstration of clinical and basic science deliverables

Program Summary January – June 2005

Course Name	Date	Invited Speakers	Participants	
			Target	Number
Research Day 科研日	12 March	Local Faculty	Orthopaedic Surgeons, Research Scientists	150
CUHK - AADO Comprehensive Bioskill Course in Fracture Fixation (XIII) 第十三屆骨折固定技術綜合課程	9-11 April	Local Faculty	Orthopaedic Surgeons in Asia Pacific	35
Wound Management Workshop 傷口處理工作坊	24 April	Local Faculty	Orthopaedic Nurses	15
Poly Trauma Workshop 多發性創傷護理工作坊	15 May	Local Faculty	Orthopaedic Nurses	30
Musculoskeletal Oncology Course – Radiology, Pathology and Principle of Management	16 May	Prof. FJ FRASSICA, USA Local Faculty	Orthopaedic Surgeons	23
Advanced Trauma Course (VIII) – Locked Plate Workshop 第八屆高級創傷學進修班 - 固定板工作坊	11-12 June	Mr. R FRIGG, USA MR. C LUTZ, Germany Prof. T MATSUSHITA, Japan Dr. P PROCTER, Switzerland Prof. P REGAZZONI, Switzerland Dr. G TAGLANG, France Prof. BF ZENG, China Local Faculty	Orthopaedic Surgeons	31
Shoulder Arthroscopy Workshop 肩關節內窺鏡工作坊	18 June	Prof. SH KIM, Korea Local Faculty	Orthopaedic Surgeons	34

Announcement

We regret to announce that our Audio-Visual technician, Hamburg Mak, has had to resign his position. We wish Hamburg the best as he strives on with a busy work.

Thank you for his hard work and support of Orthopaedic Learning Centre in the past 5 years.

Coming Programs

Prevention of Fall and Fracture Symposium - 17th September 2005

預防長者跌倒及骨折國際會議

Aim: To introduce the concept and importance of fall prevention program in avoiding fall-related fractures and to consolidated the practical skill in running fall prevention activities in community.

Program Structure: Lecture & poster presentation

Invited Overseas Speakers: Prof. A John CAMPBELL from University of Otago, New Zealand
Prof. DAI Kerong from Ninth Hospital School of Medicine, Shanghai, China
Prof. PEI Fu Xing from West China Hospital, Sichuan University, China
Prof. Laurence RUBENSTEIN from University of California, Los Angeles, USA

Target Participant: Clinicians, Nurses, Social Workers and Community Workers

Number of Place Available: 300

Website: <http://www.no-fall.hk/eng/>

Accreditation: Hong Kong College of Community Medicine (6 CME points)
Hong Kong College of Family Physicians (4 CME points Cat 5.2)
Hong Kong College of Orthopaedic Surgeons (3 Cat A credit points)
Hong Kong College of Physicians (7 CME points)
Hong Kong Occupational Therapy Association (6 CPE points)
Hong Kong Physiotherapy Association (5 CPE points)
Institute of Advanced Nursing Studies, Hospital Authority (7HACNE points)

2005 International Symposium on Quality of Bone and Scaffold Biomaterials - evaluated by microCT, pQCT, QCT and MRI - 17th – 18th October 2005

2005國際微焦點CT，肢體定量CT，軀幹定量CT，磁共振成像技術 - 評價骨骼與生物材料支架品質的高級學術研討會

Aim: To introduce state-of the Art peripheral quantitative computed tomography (pQCT) microCT, and high- resolution MRI and their evaluation strategies in evaluation of medicine and biomaterials developed for prevention and treatment of osteoporosis, osteoporotic fractures, and osteonecrosis

Program Structure: Lecture and poster presentation

Invited Overseas Speakers: Over 20 overseas speakers (Please refer to website <http://www.ort.cuhk.edu.hk/isq2005>)

Target Participant: Clinicians, Radiographers, Biomedical Engineers and Research Scientists

Number of Place Available: 300

Website: <http://www.ort.cuhk.edu.hk/isq2005>

Accreditation: Hong Kong College of Anaesthesiologists: 9.5 CME points
Hong Kong College of Emergency Medicine: 4.5 CME points
Hong Kong College of Ophthalmologists: 4.5 CME points (CME category: passive)
Hong Kong College of Otorhinolaryngologists: 2 CME points (CME category: Cat2.2)
Hong Kong College of Orthopaedics: 5 CME Cat. A/ 2 Rehab
Hong Kong College of Pathologists: 9.5 CME points (CME category: passive)
Hong Kong College of Paediatricians: 9 (CME category: Cat E)
Hong Kong College of Radiologists: 10 (CME category: Cat B)
Hong Kong College of Surgeons: 10 (CME category: passive)

9th Advanced Trauma Course - Navigation Workshop in Orthopaedic Trauma - 20th November 2005

第九屆高級創傷學進修班 - 創傷骨科導航手術工作坊

Aim: To introduce the principle of navigation system and to enhance practical skills for orthopaedic surgeons on using Navigation System on Trauma Surgery

Program Structure: Lecture, OT Relay, Case Discussion and Hands-on practice

Invited Guest Speaker: Dr. Frank LANGLOTZ from University of Bern, Switzerland

Target Participant: Orthopaedic Surgeons

Number of Place Available: 30

Website: <http://www.olc-cuhk.org>

Accreditation: To be confirmed

*For updated course information please visit our web site: www.olc-cuhk.org
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