



Learn and Practice to Serve Better

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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Editor's Notes

In this issue, we have covered the reports of International Symposium on Comprehensive Care of Fragility Fracture and the Workshop on Limb Salvage Surgery in Musculoskeletal Oncology and we have also introduces the on-line orthopaedic learning resource – Orthopedics Hyperguide (www.ortho.hyperguides.com). These 3 different aspects were targeting on different audience including orthopaedic surgeons, nurses, occupational therapists, physiotherapists, research scientists and social workers. We hope that with time, our centre can develop more variety of training for all healthcare professionals and will be an indispensable companion to their professional care of patients.

Happy New Year in 2008!

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Program Report

International Symposium on Comprehensive Care of Fragility Fracture - from Hospital to Community (21-22 September 2007)

Mr Patrick Sze

The Department of Orthopaedics and Traumatology (O&T) of the Chinese University of Hong Kong (CUHK) organized the "International Symposium on Comprehensive Care of Fragility Fracture – from Hospital to Community" on 21-22 September 2007. The symposium included a one-day pre-symposium workshop on 21st September 2007 at the Orthopaedic Learning Centre of Prince of Wales Hospital and a one-day international symposium on 22nd September 2007 at the Shaw Auditorium of Post-graduate Education Centre.

Fragility fracture is a common name for bone fracture when an elderly, who has osteoporosis, falls and results in bone fracture. Bone density in elderly will dramatically decrease due to aging, while the risks of fall and fracture increase. In accordance, there is more than 40,000 elderly with fragility fracture in a year in Hong Kong and the government contributes HK\$1,300 millions into medical expenses each year. More than half trauma elderly patients admitted into the hospital are due to fragility fracture and their mobility level and quality of life are seriously affected. The concept of multidisciplinary approach and extended community care in the management of fragility fracture was highlighted in the symposium.

In the pre-symposium workshop, we had invited eight local speakers and one foreign speaker from various hospitals and community centers. They included orthopaedic surgeons, nurses, physiotherapists, occupation therapists and social workers to share the updated knowledge and practical skills in implementation of the comprehensive care program for fragility fractures in their settings. The content of the workshop includes: (1) epidemiology of fragility fracture, (2) causes and risk factors of fragility fracture, (3) clinical management and evaluation of fragility fracture, (4) planning and implementation of comprehensive care programs in the community and (5) development of fragility fracture database and progress documentation. There were totally 53 participants taking part in the workshop.



Pre-Symposium Workshop

In the international symposium, sixteen local medical professionals from various fields, including orthopaedic surgeons, anesthetist, geriatrician, psychiatrists, family physicians, physiotherapists, occupation therapists, nurses and social workers, and two foreign orthopaedics surgeons, were invited to provide more sophisticated information for intervention and nursing care with expertise. A compendium on management of fragility fractures, providing information on clinical guidelines, outcome assessments, evaluation methods and other recommendations in the caring of the fragility fracture, was produced. The compendium provides valuable reference for development of clinical guidelines and protocols for the management of fragility fracture patients in different settings. The symposium also included an opening ceremony of the Community Healthcare and Fall Prevention Scheme, which involves the collaboration of hospitals, community centers and general practitioners to provide professional expertise and medical service to patients very close from their homes. The symposium attracted 350 participants including healthcare professionals, research scientists and colleagues working in social welfare settings.



Prof. Cameron SWIFT (left) and Prof. David MARSH (right) was sharing their experience with the participants

Workshop on Limb Salvage Surgery in Musculoskeletal Oncology (November 15) Dr. KC Wong

With the advances of imaging technology, chemotherapy and surgical techniques, limb salvage surgery could be performed over 80% of patients with primary bone sarcoma. Biological and prosthetic means had been advocated for the skeletal defect reconstruction after tumor resection. The latest design of tumor prosthesis was more durable and could achieve excellent functional result. As compared with the biological methods, the short term complications of prosthetic reconstruction were minimal and functional recovery was faster. The prosthesis could also be custom made to fit individual need.

Computer navigation was commonly applied in joint arthroplasty, spine and trauma surgery in recent 10 years. The oncological and functional outcomes depended much on the ability of surgeons to achieve good resection margin and reconstruction. In 2006, our unit developed the technique of using computer navigation to plan and guide bone tumor surgery.

In view of an increasing role and interest of using prosthesis and computer navigation assisted tumor surgery, we organized the first workshop on Limb Salvage Surgery in Musculoskeletal Oncology in Hong Kong on 15 Nov, 07.

We have invited overseas speakers Dr. Keith Hosking (consultant orthopaedic tumor surgeon, Vincent Pallotti Hospital, Cape Town, South Africa), Dr Niu Xiao Hui (Director, Dept of Orthopaedic Oncology, Beijing Ji Shui Tan Hospital, China) and Dr Paul Unwin (Bioengineer, Director of Stanmore Implants Worldwide Limited, Stanmore, United Kingdom).

This one day practical workshop consisted of lectures, interactive case discussion, corners for different prosthetic design and hand-on practice on the latest advances on computer assisted tumor surgery. It presented a unique opportunity to learn the reconstructive aspect of limb salvage surgery and the latest advances of computer assisted surgery in musculoskeletal oncology.



Prof. SM KUMTA (right) was sharing the basic philosophies of reconstructive methods in limb salvage in the practical workshop.

There were 22 participants attending the workshop. We had participants coming from Mainland China and Philippines.

The workshop started with Prof Kumta sharing the basic philosophies of reconstructive methods in limb salvage surgery. Dr Hosking talked about the practical consideration of preoperative planning in limb salvage operation. Dr Niu, who was an excellent speaker and had encountered many "extraordinary" procedures in China, gave his vast experience of managing patients with failed limb salvage operation. Dr Unwin explained the design consideration of modern tumor prosthesis and latest advances of prosthetic design. The morning session was ended with the session of "prosthesis corners" at which tumor prostheses with good track record (from Stanmore Implant Worldwide Company and Stryker GMRS) were available. All participants had a real hand-on study of various tumor prostheses.

The fascinating afternoon session was focused on the latest advances in musculoskeletal tumor surgery, computer assisted tumor surgery (CATS). CATS was a new concept to orthopaedic tumor surgeons. Based on preoperative image datasets and tracking navigation system, tumor surgeons could visualize the intraosseous tumor extent and have an instant real-time visual feedback of their operative procedures. Dr. KC Wong illustrated the new techniques with cases demonstration. Sawbones were also setup to allow participants to have actual hand-on experience of navigation environment in bone tumor surgery. Participants enjoyed this session much as the technique opened a new dimension in musculoskeletal tumor surgery. This novel concept of computer assisted precision tumor resection and reconstruction would be particularly useful in region with complex anatomy (pelvis), revision surgery with severe scarring and joint saving resection. Difficult cases were discussed thoroughly at the workshop. Various opinions from the faculties and participants were well received.

The course ended with great success and excellent feedback from the participants after a fantastic seafood dinner at SaiKung.

Orthopedics Hyperguide

The Orthopedics Hyperguide is an on-line education tool provides with free, unlimited access that allows you to explore material at your own pace and convenience. This interactive education resource is featuring with on-line lectures, tutorials, surgical and lecture videos, customized self-assessment tests and CME credit endorsed by 19 society including HKCOS.

In order to assure the information is accurate and relevant, all materials in this website have been authored and edited by more than 200 internationally recognized experts. New content is added frequently to reflect the latest topics of interest to orthopedic professionals and will announce by e-mail through the registered e-mail account.



Please go to this website www.ortho.hyperguides.com or contact Candy Chan at 2632 3074 for more information about this website.

For updated course information please visit our web site: www.olecuhk.org

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Program Summary - July to December 2007

Course Name	Date	Invited Speakers (Overseas)	Participants	
			Target	Number
Pre-Symposium Workshop of International Symposium on Comprehensive Care of Fragility	21 Sept 07	Prof. David MARSH (UK)	Nurse, Social Workers, Physiotherapists, Occupational Therapists	53
International Symposium on Comprehensive Care of Fragility	22 Sept 07	Prof. Cameron SWIFT (UK), Prof. David MARSH (UK)	Surgeons, Nurses, Social Workers, Physiotherapists, Occupational Therapists	350
Endoscopic Spine Workshop	12 Oct 07	Mr. Martin KNIGHT (UK)	Orthopaedic Surgeons	19
2007 ICHTS Translational Research Symposium on 'New Directions for Research and clinical Practice for Osteoporosis and Fracture Repair'	15-16 Oct 07	Prof. Webster JEE (USA), Dr. David KE (USA), Prof. YI Xian Qin (USA), Prof. Lawrence RAISZ (USA), Prof. Agnes VIGNERY (USA)	Students, Technicians, Physicians, Orthopaedics Surgeons	40
Workshop on Limb Salvage Surgery in Musculoskeletal Oncology	15 Nov 07	Dr. X H HIU (China), Dr. M MERCURI (Italy), Dr. K HOSKING (South Africa), Dr. P UNWIN (UK), Prof. RM WILKINS (USA)	Orthopaedic Surgeons	22
Hip Arthroscopy Workshop	16 Nov 07	Dr. Jon BARE (Australia), Dr. David A YOUNG (Australia), Dr. Marc J PHILIPPON (USA)	Orthopaedic Surgeons	29
Comprehensive Bioskill Course in Fracture Fixation	8-10 Dec 07	Prof. Kenneth KOVAL (USA)	Orthopaedic Surgeons from Asia Pacific Region	30

Program Announcement

Hong Kong International Wrist Arthroscopy Workshop & Seminar (February 11-13, 2008)

Aims:

- Basic of Wrist Arthroscopy
- Understanding approaches to management of chronic wrist pain
- Advanced techniques in therapeutic wrist arthroscopy

Program structure: Lectures, discussion and hands-on workshop

Invited guest speakers: Gregory BAIN (Australia), Riccardo LUCHETTI (Italy), Yukio ABE (Japan), Toshiyasu NAKAMURA (Japan), Loris PERGOLI (Italy), Alejandro BADIA (USA), Joseph SLADE (USA), Michel LEVADOUX (France)

Target participants: Hand Surgeons

Capacity: Seminar: 100 Workshops: Basic – 16/ Advance - 16

Duration: Seminar: 1 day Workshop: 1 day

Accreditation: 5 Cat A CME or training points for Seminar / 8 Cat A CME or training points for Workshops (Accredited by HKCOS)

Tuition fee: Seminar – US\$100 for Physician & Specialist / US\$65 for Resident & Trainee
Workshop – US\$3,200 for Basic Course/ US\$3,900 for Advance Course

Website: www.olecuhk.org

18th Comprehensive Bioskill Course on Fracture Fixation (April 18-21, 2008)

Aims:

- To set the standards of operative treatment of fractures
- To introduce the principles and recent advances in operative treatment of fractures
- To provide hands-on experience with the standard operative instruments in fracture fixation
- To provide changes for exchange of clinical experience in fracture management through interactive discussion on clinical cases and to cultivate fraternity among those who are interest in orthopaedic trauma

Program structure: Lectures, discussions and hands-on workshop

Invited guest speakers: TBC

Target participants: Orthopaedic Surgeons from Asia Pacific Region

Capacity: 30

Duration: 3 days

Accreditation: 8 Cat A CME or training points (Accredited by HKCOS)

Tuition fee: HK\$6,500

Website: www.olecuhk.org

8th Annual meeting of International Society for Computer Assisted Orthopaedic Surgery (Asia meeting on June 4, 2008/ International meeting June 5-7, 2008)

Aims:

- To bring together those individuals throughout the world, who, by their contributions and activities in the areas of research, clinical study, and clinical use, have indicated or are indicating interest in computer assisted orthopaedic surgery.
- To serve as a forum for the exchange of information of both an investigative and clinical nature which relates to preoperative planning, execution and postoperative follow up by means of computer assistance.
- To promote a new partnership between orthopaedic surgeons and technologists as a necessary basis for the successful integration of computer assisted surgical tools and techniques into the daily clinical routine.

Program structure: Lectures, surgical relay, workshops

Invited guest speakers: Please refer to the webpage

Target participants: Orthopaedic Surgeons, Engineers, Technologists

Capacity: 600

Duration: Asia meeting – 1 day / International meeting – 2.5 days

Website: <http://www.caos-international.org/2008>

For updated course information, please visit our website: www.olecuhk.org