



## SHEKHAR KUMTA

### PROFESSOR

ORTHOPAEDICS & TRAUMATOLOGY,  
THE PRINCE OF WALES HOSPITAL.  
THE CHINESE UNIVERSITY OF HONG KONG.

### CONCURRENT APPOINTMENTS :

- Assistant Dean, Medical Education.
- Director, Education Resources (Formerly name Learning Resources Centre), Faculty of Medicine
- Executive Director, The CUHK Bioethics Centre.

### QUALIFICATIONS

M.B.B.S.                      **1979** Bombay University, Mumbai, INDIA  
MASTER OF SURGERY (ORTHOPAEDICS) **1983** Bombay University, Mumbai INDIA  
Ph.D.                         **1998** The Chinese University of Hong Kong  
FRCS                         **2015** The Royal College of Surgeons, Edinburgh

### AWARDS

THE <b>HONG KONG UGC</b> AWARD FOR TEACHING EXCELLENCE	2012
UNIVERSITY EDUCATION AWARD	2011
VICE CHANCELLORS EXEMPLARY TEACHER AWARD	2008
OUTSTANDING TEACHER AWARD	2008
OUTSTANDING INTERN TUTOR	2003
OUTSTANDING TEACHER AWARD	2001

### PROFESSORIAL ORATIONS

THE KT DHOLAKIA MEMORIAL ORATION	<b>2005 WIROC India.</b>
THE ROSEN-DANIELS FELLOWSHIP	<b>2012 University of Toronto</b>
THE RJ KATRAK MEMORIAL ORATION	<b>2015 WIROC India.</b>

### VISITING PROFESSORSHIPS

THE JI SHUI TAN HOSPITAL BEIJING  
THE SHANTAO MEDICAL UNIVERSITY  
THE LAUD CLINIC MUMBAI

**CONTACT:** Room 103-E, Block A, The Prince of Wales Hospital, Shatin NT, Hong Kong SAR.  
Telephone: +852-62041636 (Mobile), 3505 1279, 3505 1280, 3505 3947 (Office).  
Email : [kumta@cuhk.edu.hk](mailto:kumta@cuhk.edu.hk); [shekharkumta@gmail.com](mailto:shekharkumta@gmail.com)  
WEB: [www.ort.cuhk.edu.hk](http://www.ort.cuhk.edu.hk); <http://fac.s.med.cuhk.edu.hk> ; <http://bioethics.med.cuhk.edu.hk>

# 1. TEACHING & LEARNING

## FACULTY-WIDE ACTIVITIES

As ASSISTANT DEAN Medical Education and DIRECTOR of the TEACHING & LEARNING RESOURCE CENTRE I am involved in establishing educational policies and in the curriculum development cycle.

I lead the following committees within the Faculty of Medicine –

- **Curriculum Design** – Including Pedagogy and Instructional Design
  - ✓ *Responsibility and oversight for Curriculum Development*
  - ✓ *Designing & optimizing Learning Experiences*
- **Assessments and Outcome Evaluations**
  - ✓ *Defining and Evaluating Learning Outcomes*
  - ✓ *Professional and Graduating Examinations*
  - ✓ *Setting Standards and maintaining Quality*
- **Communication Skills**
  - ✓ *Training modules for Clinical and Inter-professional communication*
  - ✓ *Training Teachers to Communicate effectively*
- **The Central Internship Committee**
  - ✓ *Established under the Hospital Authority HK. Responsible for Internship training, monitoring, evaluation and mentorship during obligatory 1-year period of Internship.*
- **Teacher Evaluation - Support and Faculty Development**
  - ✓ *Develop metrics for Teaching Performance appraisal*
  - ✓ *Provide support and mentoring for junior staff.*
  - ✓ *Active Faculty Development – we nurture and support talent*

## LEARNING RESOURCES CENTRE

I established the Learning Resources Centre through a UGC Competitive grant in 2005. Over the years we have cultivated leadership through a network of teachers and staff, and are responsible for a variety of staff development activities and pedagogic innovation.

- **WORKSHOPS RELATED TO PEDAGOGY & EDUCATIONAL METHODOLOGY**
  - ✓ *Developing Quality Assessments – Matched to Learning Objectives & Outcomes*
  - ✓ *Item Writing and Item analysis*
  - ✓ *Standard Setting*
- **INNOVATION AND TECHNOLOGY**
  - ✓ *E-Learning & Novel Apps (<http://facs.med.cuhk.edu.hk> )*

## DEPARTMENT LEVEL ACTIVITIES

The Department of Orthopaedics & Traumatology provides clinical teaching modules of 4 weeks each, in **Year-4** and **Year-6** of the Chinese University's current medical studies program. I am deeply involved in bedside teaching and out-patient based clinical teaching with at least 3 sessions each week

**TEACHING COORDINATOR** : I have been the Department's teaching coordinator for our undergraduate program since 1992. My responsibilities included the smooth organization of teaching activities for this group of approximately 300 students and 45 clinical teachers. I organize the collection of student performance data, solicit their feedback, and developed clear and explicit learning outcome statements as well as web-based teaching resources. I am responsible for coordinating assessments and for curricular alignment after evaluation of assessments, end-of-module and final examinations.

## 2. CLINICAL SERVICE

I have been in Clinical Service at the PRINCE OF WALES Hospital, Shatin, since 1989. This University affiliated teaching hospital is tertiary level referral centre and the flagship hospital in the New Territories East Cluster of hospitals in Hong Kong.

My clinical service is about 40-60% of my responsibility as an academic. I have 1 Day of Surgical OT and 1 Clinic a week; a Multi-disciplinary meeting every 2 weeks, and a specialty Sarcoma Clinic –Meeting every month.

I am also involved in general orthopaedic on-call and emergency cover duties – at least 8 times a month.

### MSK ONCOLOGY

I lead the clinical management and research development in Pediatric and Adult Musculoskeletal Oncology and Reconstruction. My unit is part of the multidisciplinary Oncology care in the Prince of Wales Hospital and we take care of 90% of the Pediatric Sarcomas in Hong Kong along with Adult Sarcoma's – including Metastatic and advanced Sarcomas.

### LIMB SALVAGE SURGERY

We are at the forefront of clinical research and advances in LIMB SALVAGE SURGERY , particularly in the pediatric sarcoma population. Pioneering work in **Computer Assisted Surgery** has enabled us to implement joint-sparing surgeries and perform intercalary prosthetic reconstruction in children – resulting in much better restoration of function than with conventional joint ablating surgery. I have been able to utilize my background in Microvascular surgery towards complex Limb Reconstructions- particularly for failed prosthetic reconstructions .

### PALLIATIVE SURGERY

I have established a niche in Palliative Surgery, particularly for advanced sarcomas and metastatic disease. Our unit is perhaps the only such dedicated unit in the territory and we have become a quaternary referral unit for advanced sarcoma case (particularly fungating tumors).

### SURGICAL RESIDENCY TRAINING

As a trainer for the Hong Kong College of Orthopaedic Surgery, I am also involved in the training of Basic and Higher Surgical Trainees. I am particularly involved in helping trainees develop Ethical values and a strong sense of duty through mentorship, case discussions and decision support.

### SKILLS TRAINING & SIMULATION

I am involved in Simulation training for Basic and Higher Surgical trainees. Simulation includes multi-team events and procedures, critical incident care and management and surgical procedures. In addition I have developed training modules for Complex Oncology Planning and Navigation ( Computer Assisted Surgery ) for Pelvis and extremity sarcomas.

### Further Information

[http://www.ort.cuhk.edu.hk/flagship\\_programmes-caosns.html](http://www.ort.cuhk.edu.hk/flagship_programmes-caosns.html)

<http://www.ort.cuhk.edu.hk/clinical-oncology.html>

### 3. RESEARCH

Research Laboratory Location:

The Y.K.Pao, Centre for Cancer, 4th Floor, Cancer Centre Laboratories, Room 415 A.

I head the Musculoskeletal Tumor Research programme in our department. My research team comprises an Associate Professor, a Research Associate, 2 Research Assistants, and a Research Fellow.

I have successfully established a comprehensive Molecular Laboratory in Musculoskeletal Tumor Biology and have established the workflow and protocols for some core but critical molecular techniques - these include Flow Cytometry, Real-Time PCR, Western-Blots, Transfection techniques, In-situ hybridization, HPLC, Cell Culture, Confocal Microscopy, Image Analysis, fluorescence spectrometry.

Our research:

My research interests include primary and secondary bone neoplasms and musculoskeletal tissue banking, and recently we have pioneered the use of computer based navigation in bone tumor surgery.

My work on Giant Cell Tumor of Bone is well recognized and has enabled me to establish niche area in musculoskeletal tumor research.

- **Primary Neoplasms:** Being 4 times as common in oriental populations as compared to our Western counterparts, GCT of Bone is by far the commonest primary tumor seen in young adults in Hong Kong and China. Aggressive local recurrence and extensive bone destruction are the characteristic features of this tumor. Our research aims to understand the histogenesis, behaviour and possible prognostic determinants of this neoplasm. We also aim to develop effective adjuvant strategies that will minimize the chances of recurrence and mitigate against major ablative surgery. We have successfully shown that GCT is a stromal cell driven neoplasms and Bisphosphonates may reduce the aggressive behaviour and minimize osteoclast induced destruction that is the hallmark of this lesion.

- **Tissue Banking and Bone Allografts:** Allografts have been a major source of reconstructive material following massive bone resection. Spontaneous revascularization of allografts is a slow process that takes years, as a result such grafts do not incorporate into the host and are prone to failure. Our research has shown that implantation of a vascularized tissue facilitates allograft revascularization and improves their biological behaviour. This combined reconstruction has now become the norm for most clinical applications where massive bone allografts are used. Indeed I completed my Ph.D. studies in 1998, and my dissertation on Biology of Bone Allografts was the culmination of a 10-year observational study on the behaviour of bone allografts in experimental animals and following clinical implantation in human subjects.

- **Graft Extenders:** Bone allografts are always in short supply as donor supply falls far short of recipient demand. We have shown that synthetic Hyaluronan (a mucopolysaccharide) may be successfully used as an extender to enhance the volume and effective size of cancellous allografts. Our research continues to refine the exact molecular dimensions of cross-linked and non-cross-linked Hyaluronans. I have been awarded a prestigious grant from the National Science Foundation, China, for continuing collaborative work in this field.

- **Computer Assisted Surgery:** We have pioneered the workflow and performed perhaps the first series of complex Computer-Navigation assisted surgeries for difficult bone tumors affecting the pelvis and extremities. Our work in this area is not only novel but is likely to have a significant impact on limb salvage surgery especially in children. Our technique makes joint sparing surgery feasible in young patients with primary tumors of bone.

## 4. KEY PUBLICATIONS

1. Chen SH, Lau PY, Lei M; Peng J, Tang T, Wang XH, Qin L, **Kumta SM**. Segmental Composite Porous Scaffolds with Either Osteogenesis or Anti-bone Resorption Properties Tested in a Rabbit Ulna Defect Model. *J Tissue Eng Regen Med* (**published on-line 6 Nov 2013**)
2. KC Wong, **SM Kumta**. Use of Computer Navigation in Orthopedic Oncology. *Curr Surg Rep* 2014;2(7):1-8.
3. Wong KC, Lee C, Shing MM, **Kumta S**. Surgical Resection of Relapse May Improve Postrelapse Survival of Patients with Localized Osteosarcoma. *Clin Orthop Relat Res*. 2013 Mar;471(3):814-9.
4. Wong KC, **Kumta SM**. Joint-preserving Tumor Resection and Reconstruction Using Image-guided Computer Navigation. [Clin Orthop Relat Res](#). 2013 Mar;471(3):762-3.
5. Wong KC, **Kumta SM**. Computer-assisted Tumor Surgery in Malignant Bone Tumors. *Clin Orthop Relat Res*. 2013 Mar;471(3):750-61.
6. Wong KC, **Kumta SM**, Tse LF, Ng EW, Lee KS. Navigation Endoscopic Assisted Tumor (NEAT) surgery for benign bone tumors of the extremities. *Comput Aided Surg*. 2010;15(1-3):32-9.
7. Wong KC, **Kumta SM**, Leung KS, Ng KW, Ng EW, Lee KS Integration of CAD/CAM planning into computer assisted orthopaedic surgery. *Comput Aided Surg*. 2010;15(4-6):65-74.
8. Wong KC, **Kumta SM**, Cheung KW, Chiu KH, Tse LF, Shing MK, Li CK. Tumour Prosthetic Replacement in Paediatric Bone Cancer. *HK J Paediatr (new series)* 2010;15(2):104-10.
9. Yang JY, Cheng FW, Wong KC, Lee V, Leung WK, Shing MM, **Kumta SM**, Li CK. Initial Presentation and Management of Osteosarcoma and its impact on Disease outcome. *Hong Kong Medical J*. 2009 Dec;15(6):434-9.
10. Wong KC, **Kumta SM**, Antonio GE; Tse LF. Image Fusion for Computer-assisted Bone Tumor Surgery. *Clin Orthop Relat Res*. 2008 Oct;466(10):2533-41.

## 5. TRAINING & BACKGROUND

### Place of Birth & Early School History

I was born and raised in the city of Mumbai (formerly Bombay), where I attended the **St Mary's School**, Mazgaon, from 1962-1973. The St Mary's School was founded and managed By the Jesuit Society and enabled me to obtain a very liberal yet broad based education. I finished school in 1973 and was awarded the Indian Schools Certificate (Equivalent of Senior Cambridge Certificate) in 1973.

After leaving school I was granted entry to the Intermediate Science level of the University of Bombay, and enrolled at the Ramnarain Ruia College, Matunga Bombay 400014, for my premedical studies, in 1974.

### Undergraduate Medical Education

My undergraduate medical studies were completed at the **Lokmanya Tilak Municipal Medical College**, located at Sion, Bombay. This was one of 4 medical colleges in the city at the time of my entry into medical studies in 1975.

Undergraduate study : 1975 July – 1979 November

Internship period : 1980 January – 1981 February

### Postgraduate Medical Studies

I underwent my undergraduate education and completed my medical studies at the Lokmanya Tilak Municipal Medical College and Municipal General Hospital in Bombay India. I enrolled in the year of 1975 and completed my internship in the year of 1980, following which I was accepted into Orthopaedic Residency Training in February of 1981.

The Lokmanya Tilak Municipal Medical College and the Lokmanya Tilak Municipal General Hospital is a busy 1200 bed public general hospital, one of the busiest of 4 public medical colleges and institutions. The orthopaedic annual outpatient load was in excess of 50,000 patients with almost 14,000 annual admissions, mostly trauma. I had the opportunity to acquire an all-round grooming in orthopaedics principally under the influence of Prof N.S. Laud and Prof V.T. Ingalthalikar. I acquired the degree of M.S. Orthopaedics in 1983 (was placed 2<sup>nd</sup> in the University).

#### a) Traumatology

The Lokmanya Tilak Hospital has been a leading trauma care centre. During my training and during the years of my practice as a lecturer I have had a major grounding in traumatology.

This included not only orthopaedic trauma but multisystem trauma as well. My role involved the primary care, resuscitation and stabilization of multitrauma victims at a dedicated Emergency trauma Care ward in the hospital. I developed an interest in pelvi-acetabular trauma notably, open pelvic injuries and run over/crush pelvic injuries. I have played a leading role in the systematic development of treatment algorithms for complex and open pelvic injuries in the city of Mumbai.

I have also developed and contributed to the planning of mass casualty care. I wrote a manual on disaster management that was accepted by the state authorities, given my experience in dealing with a number of major civil crises such as large scale riots, mega-train accidents and environmental disasters.

I also developed a leading interest in the management of mutilated extremities. This was a precursor to my move towards reconstructive microvascular surgery. I was well trained and am well versed in the AO concepts of skeletal stabilization – in extremity and pelvic trauma and have served as an instructor in numerous basic and advanced AO courses organized in Mumbai and Delhi.

## 5. TRAINING & BACKGROUND

### Place of Birth & Early School History

I was born and raised in the city of Mumbai (formerly Bombay), where I attended the **St Mary's School**, Mazgaon, from 1962-1973. The St Mary's School was founded and managed By the Jesuit Society and enabled me to obtain a very liberal yet broad based education. I finished school in 1973 and was awarded the Indian Schools Certificate (Equivalent of Senior Cambridge Certificate) in 1973.

After leaving school I was granted entry to the Intermediate Science level of the University of Bombay, and enrolled at the Ramnarain Ruia College, Matunga Bombay 400014, for my premedical studies, in 1974.

### Undergraduate Medical Education

My undergraduate medical studies were completed at the **Lokmanya Tilak Municipal Medical College**, located at Sion, Bombay. This was one of 4 medical colleges in the city at the time of my entry into medical studies in 1975.

Undergraduate study : 1975 July – 1979 November

Internship period : 1980 January – 1981 February

### Postgraduate Medical Studies

I underwent my undergraduate education and completed my medical studies at the Lokmanya Tilak Municipal Medical College and Municipal General Hospital in Bombay India. I enrolled in the year of 1975 and completed my internship in the year of 1980, following which I was accepted into Orthopaedic Residency Training in February of 1981.

The Lokmanya Tilak Municipal Medical College and the Lokmanya Tilak Municipal General Hospital is a busy 1200 bed public general hospital, one of the busiest of 4 public medical colleges and institutions. The orthopaedic annual outpatient load was in excess of 50,000 patients with almost 14,000 annual admissions, mostly trauma. I had the opportunity to acquire an all-round grooming in orthopaedics principally under the influence of Prof N.S. Laud and Prof V.T. Ingalkhalkar. I acquired the degree of M.S. Orthopaedics in 1983 (was placed 2<sup>nd</sup> in the University).

#### a) Traumatology

The Lokmanya Tilak Hospital has been a leading trauma care centre. During my training and during the years of my practice as a lecturer I have had a major grounding in traumatology.

This included not only orthopaedic trauma but multisystem trauma as well. My role involved the primary care, resuscitation and stabilization of multitrauma victims at a dedicated Emergency trauma Care ward in the hospital. I developed an interest in pelvi-acetabular trauma notably, open pelvic injuries and run over/crush pelvic injuries. I have played a leading role in the systematic development of treatment algorithms for complex and open pelvic injuries in the city of Mumbai.

I have also developed and contributed to the planning of mass casualty care. I wrote a manual on disaster management that was accepted by the state authorities, given my experience in dealing with a number of major civil crises such as large scale riots, mega-train accidents and environmental disasters.

I also developed a leading interest in the management of mutilated extremities. This was a precursor to my move towards reconstructive microvascular surgery. I was well trained and am well versed in the AO concepts of skeletal stabilization – in extremity and pelvic trauma and have served as an instructor in numerous basic and advanced AO courses organized in Mumbai and Delhi.

#### b) Hand Fellowships

After completing my M.S. in orthopaedics enrolled for a 6 month fellowship between October 1984 to February 1985 with Dr B.B.Joshi, one of the doyens of hand surgery in India. My main interests were the reconstruction of mutilated extremities. I was also awarded a fellowship to visit the Chinese University Hand Department from October to December 1984.

## 5. TRAINING & BACKGROUND

### **c) Microvascular Hand and Reconstructive Surgery**

I was appointed as lecturer in the Orthopaedics Department of the Lokmanya Tilak Municipal General Hospital from February 1985. I was primarily responsible for the management of major extremity and pelvic trauma as well as hand injuries.

In order to concentrate on further specialty development I relocated to Pune city, in 1987 and took up assignment as a consultant Orthopaedic Surgeon in the Sancheti Institute for Orthopaedics and Rehabilitation, where I continued to develop my sub-specialty interests in Hand and Reconstructive microvascular surgery.

In February of 1989, I was offered a position as a visiting lecturer with the Chinese University of Hong Kong, primarily as a Hand and Microvascular Surgeon. I was working under close association with Professor P.C Leung, who has since become my mentor, not only in the field of hand and microvascular surgery but in the expanded applications of reconstructive microsurgery, with particular emphasis on musculoskeletal oncology. From 1989 to 1992, I was de-facto in charge of the hand unit, looking after major trauma requiring vascular/microvascular reconstruction. I was also responsible for the oncologic reconstruction using bone allografts or vascularized bone grafts. My close association with Prof Leung gave me the opportunity to master the techniques of microvascular reconstruction with particular emphasis on vascularised iliac and fibular bone graft reconstruction for a variety of conditions.

### **d) Musculoskeletal Oncology and Reconstruction**

Towards the later half of 1992, a re-organization of the department took place. I saw this as an opportunity to further specialize and focus my interests. I took upon myself to develop further training, skills and knowledge in the management of musculoskeletal tumors, particularly with the aim of applying reconstructive microvascular techniques in limb salvage surgery. I applied for a short fellowship with the Istituto Ortopedici Rizzoli, in Bologna and under the superb guidance of Prof Campanacci, Dr Rudolfo Capann and Dr Pierro Picci was able to establish a Musculoskeletal Oncology Unit under the auspices of our Department.



## 6. REFEREES

- Prof Francis Chan, Dean, Faculty of Medicine, The Chinese University of HK.  
e-mail: [fkchan@cuhk.edu.hk](mailto:fkchan@cuhk.edu.hk)
- Prof JCY Cheng, Chairman, Dept of O&T, The Chinese University of HK.  
e-mail [jackcheng@cuhk.edu.hk](mailto:jackcheng@cuhk.edu.hk)
- Prof Andrew Van Hasselt, Dept of Otorhinolaryngology, Head and Neck Surgery, The Chinese University of HK.  
E-mail [andrewvan@ent.cuhk.edu.hk](mailto:andrewvan@ent.cuhk.edu.hk)
- Prof CB Hazlett, University of Alberta.  
[shazlett@shaw.uwa](mailto:shazlett@shaw.uwa)
- Prof N.S. Laud, The Laud Clinic, Dadar, Mumbai, India 400014.

## 7. EXTERNAL GRANTS OBTAINED

I have been successful in obtaining several competitive grants, as a principle investigator (PI) and as a co-investigator (Co-I) as well.

Grants have been used not only to generate research outputs but also to develop expert areas (example GCT Primary cultures, Traditional Chinese Medicine Assays) and to support Postgraduate students, research infrastructure and novel but key facilities.

### 7.1 Teaching Grants

1. Computer Adaptive Testing Promotes Mastery Learning (PI)

UGC Teaching Development Grant for 2016-19 Triennium

Period: 1-2-2017 to 30-6-2019

Amount: HKD 500,000

2. Developing an E-course to Facilitate Clinical Communication Skills and Inter-professional Communication. (Co-PI)

UGC Teaching Development Grant for 2015-16 Roll-over year

Period: 1-07-2015 to 31 June 2016

Amount awarded: HKD 500,000

3. Implementing MEDLOG & E-portfolio to Improve Student Engagements in Self-initiated Clinical Encounters and Participation in Practical Procedures.

UGC Teaching Development Grant 2012-2015

Period: 12-01-2013 to 30-11- 2015

Amount awarded: HK\$800,000

4. E&M-based Video Vignettes for Upper Extremity Neurological Examination.

Courseware Development Grant 2012-13

Period: 4/2013 to 3/2014

Amount awarded: HK\$50,000

5. A Strategic plan to implement Pedagogically Sound Mobile Learning Resources in the Delivery of Healthcare and Health Sciences Education.

UGC Teaching Award 2012

Period: 2012-2014

Amount awarded: HK\$450,000

7. An innovative SLO mapping Platform for Enhancement of Outcome-based learning.

UGC Teaching Development Grant 2009/2012

Period: 1-10-2009 to 31-09- 2012

Amount awarded: HK\$750,000

8. Bringing anatomy to life: Using 3-D projection on human body to teach living anatomy in the context of clinical examinations and diagnoses.

UGC Teaching Development Grant 2009-2012 Triennium

Period: 1-9-2009 to 31-8-2012

Amount awarded: HK\$1,000,000.00

7. Training graduating medical students to develop the non-technical domains necessary for holistic competence in practical procedural skills, using patient-focused simulation and practice.

UGC Teaching Development Grant 2009-12 Triennium

Period: 1-9-2009 to 31-8-2012

Amount awarded: HK\$1,000,000.00

8. Developing Templates for Mobile Learning Applications.

CUHK Medical Education Supplementary Fund

Period: 11-2010 to 31-1-2012

Amount awarded: HK\$152,000

## 7. EXTERNAL GRANTS OBTAINED

9. Developing Self-study learning packages to replace Didactic lectures

CUHK Medical Education Supplementary fund

Period: 11-2010 to 31-1-2012

Amount Awarded: HK\$161,000

10. Developing Pattern Recognition Skills: Training Medical Students to read Spinal and Chest Radiographs in a Systematic Manner.

Courseware Development Grant (2008-2009) (Completed)

Period: 1-1-2009 to 31-12-2009

Amount awarded: HK\$80,000.00

11. A multi-dimensional virtual patient model to improve learning outcomes in an integrated medical curriculum.

UGC Teaching Development Grant (Completed)

Period: 1-1-2009 to 31-12-2009

Amount awarded: HK\$466,537.00

12. Teaching, learning and assessment of Medical Imaging Prioritization and Interpretation using Virtual On-call.

UGC Teaching Development Grant 2005-08 Triennium

Period: 1-2007 to 12-2008 (Completed)

Amount awarded: HK\$250,000.00

13. Development of a Virtual Patient Environment to Facilitate Teaching of Medical Students.

UGC Teaching Development Grant 2005-08 Triennium (Second Allocation Exercise)

Period: 1-1-2007 to 31-12-2008 (Completed)

Amount awarded: HK\$386,000.00

14. To Review and Refine a Repository of Case Simulations Developed by the Faculty of Medicine and to Enable Their Use in Faculty-wide Summative Assessments of Undergraduate Medical Students.

UGC Teaching Development Grant 2005-08 Triennium (Second Allocation Exercise)

Period: 1 Jan 2007 – 30 Apr 2009 (Completed)

Amount awarded: HK\$496,341.00

15. Developing Appropriate Student Learning Outcomes: Balancing Pedagogical Attitude & Accountability in Educating Medical Students.

UGC Teaching Development Grant 2005-08 Triennium

Period: 10-2006 – 09-2008 (Completed)

Amount awarded: HK\$1,000,000.00

16. Use of a Wizard Template to Facilitate Construction of Quality Extended Matching Questions.

UGC Teaching Development Grant 2005-08 Triennium

Period: 1-10-2005 - 31 Sept 2007 (Completed)

Amount awarded: HK\$220,530.00

17. The Learning Objects Initiative.

UGC Teaching Development Grant 2001/2004

Period: Completed

Amount awarded: HK\$4,800,000.00

## 7. EXTERNAL GRANTS OBTAINED

18. Promotion of Experience Sharing and Sharing of Good Teaching and Learning Practices – Teaching focused workshops to enable the development of interactive web-based strategies designed to foster critical thinking in students.

UGC Teaching Development Grant 2001/2002 – 1st Tranche

Period: 2001-2002 (Completed)

Amount awarded: HK\$250,000.00

19. A Web-based Self Assessment Programme for Final Year Orthopaedic Students

Courseware Development Grant (Special Grant)

Period: 2001-2002 (Completed)

Amount awarded: HK\$43,000.00

20. Development of a curriculum in Clinical Orthopaedics and the Musculoskeletal System designed to promote critical thinking skills and evidence based reasoning for undergraduate students

UGC Teaching Development Grant

Period: 1999-2001 (Completed)

Amount awarded: HK\$1,307,687.00

### 7.2 Research Grants

1. Differentiation therapy of Giant Cell Tumor of Bone using the U.S. Food and Drug Administration (FDA)-approved drugs, Parathyroid Hormone, Rapamycin and Simvastatin

Project Reference: 2014.1.046

Project code: 4054189

**Direct grant for Research 2014/15 (Round 1)**

Amount awarded: HK\$30,000

Period: 1/6/2015 to 31/5/2016

2. Design Automation of Customized Jigs for Bone Tumor Surgery. (CO-I)

Innovation and Technology Support Programme (Completed)

Investigator: WANG Chang Ling (MAE, CUHK), Prof SM Kumta, Dr KC Wong

Project Ref: ITS/060/13

Period: 1/10/2013 – 31/3/2015

Amount awarded: \$1,000,000

3. Determining the Precision and Accuracy of Computer Assisted Bone Tumor Surgery: A Study Comparing Computer Navigation with Patient Specific Cutting Guides in Cadavers. (Completed)

**GRF Grant 2012-13**

Period: 1/11/2012 to 31/10/2014

Amount awarded: \$1,200,000

Top up fund : \$ 20,000

4. The Investigation of potential anti-tumor effects of Denosumab on GCT of bone.

**Direct Grant for Research 2012/2103 (Round 1)**

Period: 1/4/2013 to 31/3/2014

Amount Award: HK\$37,000

5. Treatment of GCT of Bone by the Combination of Nitrogen-bisphosphates and Phenyl Transferase Inhibitors: An in Vivo study.

**GRF grant 2011-12**

Period: 1/1/2012 to 31/12/2013

Amount awarded: HK\$677,000

## 7. EXTERNAL GRANTS OBTAINED

6. P63 Regulates Cell Cycle Progression Genes and Promotes Neoplastic Stromal Cells Proliferation in Human Giant Cell Tumor of Bone.

**Direct Grant for Research 2010-11**

Period: 2011-12 (Completed)

Amount awarded: HK\$45,000

7. Joint Collaborative Research in Fabrication and Application of Functional Gradient Tumor Bone Repair Materials Based on Rapid Prototyping Techniques.

**NSFC/RGC Joint Research Scheme 2007-2008**

Period: 1 April 2008 – 31 Mar 2011

Amount Awarded: HK\$703,000

8. Transcriptional Regulation of RANKL Promoter in Giant Cell Tumor of Bone.

RGC Earmarked Grant 2007-08.

Period: 1 Jan 2008 - 31 Dec 2009

Amount awarded: HK\$659,893

9. Potential Anti-tumor Effects of Aminobisphosphonates and Prenyl Transferase Inhibitors on Giant Cell Tumor of Bone.

**RGC Earmarked Grant CUHK4508/05M**

Period: 1 Nov 2005 – 30 Apr 2008 (Completed)

Amount awarded: HK\$922,914.00

10. Prosthetic Device in Children with Bone Cancer.

**Children Cancer Foundation**

Period: Dec 2002 – on going

Amount awarded: HK\$350,000.00

11. Aminobisphosphonates & Farneyl Transferase Inhibitors as Adjuvants in the Treatment of GCT of Bone.

**CUHK Direct Grant for Research**

Period: Dec 2003 – Dec 2005 (Completed)

Amount awarded: HK\$80,000.00

12. Bisphosphonates Induce the Healing and Consolidation of Osteolytic Secondary Bone Tumors.

**CUHK Direct Grant for Research**

Period: Dec 2001 – Dec 2002 (Completed)

Amount awarded: HK\$80,000.00

13. Anti-angiogenic & Antiresortive Actions of Bisphosphonates & COX-2 Inhibitors on Osteosarcoma Cells (Surrogate Osteoblasts).

**CUHK Direct Grant for Research**

Period: 2000-01 (Completed)

*Amount awarded:* HK\$60,000.00

14. Towards Understanding the Molecular Events of Histogenesis and Biological Behaviour of GCT of Bone – The Significance of Urokinase Type Plasminogen Activating System and Osteoclast Regulatory Factors.

RGC Earmarked Grant

Period: Sept 2000 – 31 Aug 2002 (Completed)

Amount awarded: HK\$584,000.00

## 7. EXTERNAL GRANTS OBTAINED

15. MRI signal changes in processed and fresh Bone Allografts : An in vitro study. (CO-I)

**CUHK Direct Grant For Research**

Period: 1997-1998 (Completed)

Amount awarded: HK\$ 35,000.00

16. Quantitative Studies of P-glycoprotein Related Biochemical Markers to Monitor Drug Resistance in malignant musculoskeletal tumours.

**CUHK Direct Grant 1997/98**

Period: Oct 1997 – 30.06.1999 (Completed)

Amount awarded: HK\$125,000.00

17. Risk Factors for Primary Osteoarthritis of the Hip and Knee in Chinese – a case control.

Health Services Research Fund, Hospital Authority

Period: 1996-98 (Completed)

Amount awarded: HK\$614,700.00

18. Tumor Specific Alkaline Phosphatase in Osteosarcoma.

**RGC Grant CUHK430/95M**

Project code: 2140119

Period: 1 Oct 1995 – 30 Sept 1997 (Completed)

Amount awarded: HK\$ 310,000.00

19. Investigating the Mechanical and Biochemical Barrier Effect of the Physéal Growth Plate Towards Osteosarcoma Extension.

CUHK Direct Grant (Ref. 95.49, a/c 2040458)

Period: 1995-1996 (Completed)

Amount awarded: HK\$46,000.00

20. The Development of Riboprobe for Hybridisation of mRNA Expression of Human Bone / Liver / Kidney Alkaline Phosphatase Gene.

Departmental Funding

Period: 1995-1996 (Completed)

21. Oncogene Expression in Giant Cell Tumors. (PI)

CUHK Direct Grant for Research 1994/95 – Small Project no. 94.58, a/c 220403920

Period: 1.10.1994 – 30.06.1996 (Completed)

Amount awarded: HK\$36,000.00

22. The Study of Tumour Suppressor Genes in Osteosarcoma in a Chinese Population.

CUHK Direct Grant

Period: 1994-95 (Completed)

Amount awarded: HK\$72,000.00

23. The Use of Adriamycin Binding Assay as a Test to Determine the Chemosensitivity of Patients with Osteogenic Sarcoma. (PI)

CUHK Mainline Research Scheme MR 94/010, Project code: 44M4007

Period: 1994 (Completed)

Amount awarded: HK\$130,000.00

## 7. EXTERNAL GRANTS OBTAINED

24. Vascular Island Flaps Based on the Peroneal Artery: An Anatomical Study.

CUHK Direct Grant for Research 1993/94

Period: 1.7.1993 - 10.10.1996 (Completed)

Amount awarded: HK\$33,000.00

25. The Use of Vascularized Bone as an Aid to Enhance the Incorporation of Bone Allografts in a Rabbit Model.(PI)

CUHK Direct Grant for Research 1993/94 – Small Project SP-61, Project code: 2040313

Period: 1.12.1993 – 1.12.1995 (Completed)

Amount awarded: HK\$39,700.00

26. Imaging of Massive Bone Allografts.

Departmental Funding

Period: 1993-1994 (Completed)

27. Studies on the Revascularisation of Cryopreserved and Fresh Femoral Allografts

Following Vascular Bundle Implantation in Rats.

CUHK Direct Grant for Research 1992/1993 – Small Project SP-92/88

Period: 1.10.1992 to 30.10.1993 (Completed)

Amount awarded: HK\$25,700.00

28. Studies on fracture healing during lengthening of Bone: An Experimental Study in Rabbit Femora. (PI)

CUHK Direct Grant for Research 1991/92 – Small Project A/c 220401580

Period: 1.7.1991 – 31.12.1994 (Completed)

Amount awarded: HK\$24,000.00

29. Degradation Characteristic of a Biodegradable Implant in Rabbit Bone.

CUHK Direct Grant

Period: 1990-91 (Completed)

Amount awarded: HK\$17,218.00

30. Fixation of Osteochondral Fractures with Absorbable Implants.

Departmental Funding

Period: 1990-1991 Completed)

31. The Use of Serum and Tissue Bone Specific Alkaline Phosphatase in Monitoring the clinical Course of Osteosarcoma.

Departmental Funding

Period: 1990-1994 (Completed)

32. Effect and Biocompatibility of Polyglycolic Composite Implants in Growing Epiphyses of Skeletally Immature Rabbits.

Private Fund

Period: 1990-1991 (Completed)

Amount awarded: HK\$10,000.00

33. Characteristics of a Biodegradable Implant in Rabbit Bone.

Direct Grant For Research 1990/91 – Small Project SP42/90, A/c 220400820

Period: 1.07.1990 to 30.06.1993

Amount awarded: HK\$17,218.00

## 8. ASSISTANT DEAN OF EDUCATION

Since July 2008, I have been appointed the Assistant Dean of Education. In this capacity I report directly to the Dean (Education) and to the Dean, Faculty of Medicine. The scope of my duties is wide and I am closely involved in aligning teaching with learning needs.

### **a. Chairman of Student Learning Outcomes Task Force**

I chair this task force with the aim of developing clear and unambiguous outcome statements that enables students and teachers to attain expected capabilities.

I have helped develop broad generic outcome statements that reflect societal expectations of what a Medical Graduate is expected to be upon graduating from our Medical School. In addition I have helped several divisions (Surgery, Medicine, ITU, A&E, Anaesthesia) develop Learning Outcome Statements and Guides for their students.

### **b. Internship Activities & related teaching**

I am a member of the Central Internship Committee that looks after Intern placement, intern training and intern support. I am closely involved with the supervision of intern education and am able to engage and provide mentorship, counseling and guidance so that interns are able to make the best of their training and in-service opportunity.

### **c. Coordination of Assessments**

I am also involved in the supervision of the Office of Educational Services and their staff in matters related to assessments for various examinations held year-wise and by various panels. My task is to oversee whether assessments satisfy criteria such as validity, reliability and help in standard setting and evaluations.



## 9. MEMBERSHIP OF PROFESSIONAL BODIES & RELATED ACTIVITIES.

I am either a founder-member or an ex-officio member of the following organizations.

APMSTS – Asia Pacific Musculoskeletal Society, Vice President, founder member

APASTB – Asia Pacific Association of Surgical Tissue Banking, ex President, member.

EAMOG – East Asia Musculoskeletal Oncology Group, member

ISOLS – International Society of limb Salvage Surgery, member.

I serve on the editorial board or am a reviewing editor for the following Journals.

Journal of Orthopaedic Surgery – Editorial Board

Journal of Musculoskeletal Research – Reviewing Editor

Journal of Plastic and Reconstructive Surgery – Reviewing Editor

Clinical Orthopaedic & Related Research – Reviewing Editor

# 10. INVITED LECTURES.

## 10.1 Overseas Lectures

1. Invited as Oration to give talk at the “Trinity 2017” hosted by Lokmanya Tilak Municipal Medical College and General Hospital Sion, Mumbai, India on 2-4 March 2017

Title: The Humanitarian Basis of Leadership

2. Invited speaker to give talks in The 11<sup>th</sup> International Congress of Chinese Orthopaedic Association held on 17-20 Nov 2016 in Beijing China.

### Topics:

- a. The Treatment of Denosumab and Bisphosphates in Giant Cell Tumors of Bone: The Similarities and the Differences.
- b. The Orthopaedic Oncology Educating System and the Qualification Certificates System in Hong Kong: from a FRCS to an Orthopedic Oncologist.

3. Appointment as Programme External Examiner - Bachelor of Medicine and Bachelor of Surgery Stage 1 and Stage 2 Examination - 2015/2016 session, University of Malaya on **Jul 27 to Aug 1 2016** in Malaysia.

4. As invited speaker to present at the 6<sup>th</sup> Istanbul Meeting of Orthopaedics and Traumatology held on **May 12-15, 2016** in Wyndham Grand Istanbul Levent Hotel, Istanbul, Turkey.

### Topics:

- a. Computer Assisted Navigation in Pelvic Tumors
- b. Computer Assisted Navigation in Long Bones and Other Applications

5. Invited as International Faculty and guest speaker for 34<sup>th</sup> Annual Conference of Gujarat Orthopaedic Association held on **Feb 5-7, 2016** in Vadodara, India.

### Topics:

- a. Giant Cell Tumour – Current Concept in Management
- b. AVN - Vascular fibular graft

6. Invited to serve as Judge for Free Communication Session 2 for 13<sup>th</sup> Asia Pacific Medical Education Conference (APMEC) on 15 Jan 2016.

7. As invited Orator (speaker) to present at the WIROC 2015 held in Mumbai, India on **24-26 Dec 2015**. Topic: The Changing Paradigm of Limb Salvage Surgery

[http://www.wirocgrande.com/confo\\_new.php](http://www.wirocgrande.com/confo_new.php)

8. As invited speaker to present at the COA 2015 held in Chongqing, China on **19 Nov 2015**. Topic: Joint Sparing Surgery in Pediatric Bone Tumors – New Technology makes a paradigm shift possible.

<http://www.coachina.org/2015/uploadfiles/img/image/20151103/20151103205368816881.jpg>

9. As invited speaker to present at the Joint Conference of ISMPO (Indian Society of Medical & Paediatric Oncology) & ISO (Indian Society of Oncology) held in Mumbai, India on **6-9 Nov 2015**. Topic: Surgical advances in Sarcomas

<http://www.ismpocon15.in/wp-content/uploads/2015/11/Saturday-7th-November-Hall-A.pdf>

# 10. INVITED LECTURES.

## 10.1 Overseas Lectures

10. As invited speaker to present at the Annual Scientific meeting 2015 of Australian Orthopaedic Association (AOA) and Australian Sarcoma Group (ASG) Meeting 2015 held on **12-15 Oct and 16-18 Oct 2015** in Brisbane, Australia.

- a. Invited lecture on AOA: Palliative Surgery for advanced sarcomas: futility or ethical duty
- b. Plenary lecture on ASG: Computer guided surgery in sarcoma treatments
- c. CATs workshop on 16<sup>th</sup>:

11. As invited speaker to present at the 2nd International Association of Student Surgical Societies' (**IASSS**) 2015 Surgical Symposium - Inspiration, Innovation, Action held in Brisbane, Australia on **23-26 July 2015**.

Topic: Computer-aided Surgery; Making a Paradigm Shift

<http://program.iasss2015.org/timetable/sunday>

12. As invited to be the faculty member of "meet the Experts Panel" on 17 October for the 2<sup>nd</sup> bi-annual meeting of the Extreme Orthopaedics Symposium held in London, United Kingdom.

13. As keynote and invited speaker to give talk on "The 4<sup>th</sup> International Symposium on Musculoskeletal System and Pain" to be held from July 11-12 and Post-symposium in Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences in Okayama on July 2014 in Japan.

Topic: Pain and Palliation in Patients with Advanced Musculoskeletal Sarcomas

14. As invited speaker to give talk on the 26<sup>th</sup> Forum of the Surgical Society for Musculoskeletal Sarcoma (SSMS) in Tokyo, Japan on 8 March 2014.

Topic: Joint Sparing Resections and Reconstruction: The Changing Paradigm of Limb Salvage

15. As invited keynote speaker to give talk at the 2013 Materialise North East Asia Conference held on Sept 3, 2013 in Tokyo, Japan.

16. As invited guest speaker to give talks at the Senior Symposium of Shanghai Third Osteosarcoma Limb-Salvage organized by The Sixth People's Hospital of Jiao Tong University on 23-24 August 2013 in Shanghai China.

**Topics:**

- a. Current state of art of Limb Salvage Surgery
- b. Management of Distant Relapse in Osteosarcoma – A Long term perspective.

17. As invited keynote speaker on the session of "Surgical Training in Evolving Countries" at the 2<sup>nd</sup> World Congress on Surgical Training, held on June 17-19, 2013 in Gothenburg Sweden.

Topic: Challenges of an Opportunities for Surgical Training in Evolving Countries

18. As invited Guest speaker at 26<sup>th</sup> European Musculo Skeletal Tumor Society meeting, held on May 29-31, 2013, Gothenburg, Sweden.

- Topics:
- a. Molecular Biology of Neoplasms
  - b. Computer aided precision surgery in orthopaedic oncology
  - c. Computer Assisted Tumor Surgery (CATS) in orthopaedic oncology: how far have we come ?

19. Invited as Faculty Member and give talk in the WIROC 2012 held on 28-30 Dec 2012 in Mumbai, India.

Topic: Bone Remodeling Revisited Making Sense of Molecular Mechanisms and Their Practical Applications.

# 10. INVITED LECTURES.

## 10.1 Overseas Lectures

20. As invited as International Faculty for panel discussion & presentation at the MOACON 2012 held on 2-4 Nov 2012 in Pune, India.

Topic: Elephant and The Dragon

21. As invited speaker to give talks on the APOA 2012, held on 3-6 Oct 2012 in New Delhi, India.

**Topics:**

- a) The Management of Distant Relapse in Osteosarcoma
- b) Minimally Invasive Curretage for Treatment of Giant Cell Tumors
- c) Non Operative Treatment of Giant Cell Tumor of Bone
- d) Understanding Mechanism that regulate Osteolysis in GCT of Bone and other Resorbing Conditions

22. As invited speaker to give talks on the 9<sup>th</sup> Asia Pacific Musculoskeletal Tumour Society Meeting held on 6-9/9/2012 in Malaysia.

Topics: a. The Role of PET Scan in Tumour Resection and Outcome

- b. Future Trends in Inter Calary Resections and Reconstruction.: The Changing Paradigm of the Limb Salvage.

23. As invited speaker to give talk on the 45<sup>th</sup> Annual Musculoskeletal Tumor Meeting of the Japanese Orthopaedic Association on 14-15 July 2012 in Tokyo, Japan.

Topic: Joint Sparing Resections: The Changing Paradigm of the Limb Salvage

24. As Invited speaker to give talk on the MIMICS World Conference held on 18-20 April 2012 in Belgium.

Topic: Extended Segmental Resection and Reconstruction of Bone: The Use of MIMICS engineers a Paradigm shift in Limb Salvage Surgery.

25. As invited speaker to give talk on Materialise Visionary Summit on 24 March 2012 in Shanghai, China

Topic: MIMICS has enabled a paradigm shift in Limb Salvage Surgery

26. As invited speaker and main organizer to give talk on the 16<sup>th</sup> ISOLS meeting in Beijing China on 15-18 Sept 2011.

Topic: Biological Reconstruction

27. As invited speaker to give talk on the First Mimics User Summit held in Shanghai, China on 9 April 2011.

28. As invited guest to visit and give talk to Wu Han No. 1 Hospital, Wuhan, China on 25 June 2011.

29. As invited speaker to give talk at the 2011 East and West Annual Conference in Shantou University, China on 28-29 May 2011

Topic: Developing Self-study Resources in Medical Education

30. As Invited guest to chair an academic session and present a case at the National Disciplines symposium on Sarcoma in Sun Yat Sen University on 13 May 2011.

# 10. INVITED LECTURES.

## 10.1 Overseas Lectures

29. As invited speaker to give talk on First Mimics User Summit held in Shanghai, China on 9 April 2011

**Title:** MIMICS as a critical link in the workflow required for the planning, simulation and execution of complex limb-salvage cases in Musculoskeletal Reconstruction.

31. As invited speaker to give lecture on the 40<sup>th</sup> Annual Congress of the Korean Bone and Joint Tumor Society in Korea on 19 November 2010.

**Topic:** Joint Sparing Resections: The Changing Paradigm of Limb Salvage

32. As a Faculty member and give talk on the 44<sup>th</sup> Western India Regional Orthopaedic Conference on 11-13 Nov 2010 in India.

**Topics:** 1) Recurrent Giant Cell Tumor  
2) Bisphosphonates or Denosumab in Giant Cell Tumor

33. As invited speaker to give talk on the 45<sup>th</sup> Annual Conference of Association of Plastic Surgeons of India in Goa, India on 25-29 Oct 2010.

34. As invited speaker to present at the McMaster University Division of Orthopaedic Surgery Grand Rounds on 2 June 2010 in Hamilton, Ontario Canada.

35. As invited speaker to give talk at the 3<sup>rd</sup> Jishuitan Orthopedic Forum (JOF) on 23-25 April 2010 held in Beijing, China.

**Topic:** Current Research in Giant Cell Tumor of Bone

36. As invited speaker to give talks at the XIV Chilean Meeting of Orthopedic & Traumatology on 18-21 November 2009 held in Hotel Del Mar & Convention Center, Vina Del Mar, Chile.

**Topics:**

- a. Prosthetic reconstructions in intercalary excisions in limb sarcomas
- b. Navigation surgery in musculoskeletal tumours
- c. Pelvic Excisions and reconstructions
- d. Palliative surgery in advanced sarcomas

37. As invited speaker to give talk on "Management of advanced Musculoskeletal Tumors" in the 1<sup>st</sup> International Conference of Sudanese Orthopaedic Surgeons Association (SOSA) on 7-8 November 2009 in Khartoum, Sudan.

38. As invited speaker to give talk on "Bone Tumors – A refresher Course" in Tata Memorial Hospital, India on March 20, 2009.

39. As invited visiting professor to give a talk to Division of Orthopaedic Surgery, The University of Toronto, Canada on October 31, 2008.

**Topic:** Improving Outcomes for Giant Cell Tumor of Bone: Novel Therapeutic Targets

40. As invited speaker to the Symposium on Orthopedic Oncology, organized by the Catholic University Cancer Centre, held on 25 Oct 2008 in Seoul, Korea

**Topics:**

- a. Bisphosphonate treatment in Bone Tumors,
- b. Computer assisted tumor resection in precision.

# 10. INVITED LECTURES.

## 10.1 Overseas Lectures

41. As invited speaker to attend The Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region hosted by Tianjin Medical University will be held on October 17-21, 2008 at Tianjin, China.

42. As invited speaker, chairmanship and international advisory board member of The 7th Asia Pacific Musculoskeletal Tumor Society Meeting held on September 26-28, 2008 in Beijing China.  
**Topic:** Precision tumor resection and reconstruction

43. As invited to visit Liu Hua Qiao Hospital for academic exchange and give lecture in Guangzhou, China on July 30, 2008.  
**Topic:** Bisphosphonates in Bone Lesions

44. As Visiting Professor to give talk to the Department of Plastic Surgery and orthopaedics at the Lilavati Hospital & Research Centre, Mumbai, India on 25-27 July 2008.  
**Topic:** Biological Vs Prosthetic Reconstruction following bone Tumor Ablation

45. As invited speaker to give talk on The 2nd Shanghai International Orthopaedic Meeting held on 20-22 June 2008 in Shanghai, China  
**Topic:** Bisphosphonate as adjuvant therapy for benign bone tumours

46. As invited speaker to give talk on the 2nd Jishuitan Orthopedics Forum held on June 5-8, 2008 in Beijing China organized by Beijing Jishuitan Hospital.  
**Topic:** Bisphosphonate in the treatment of bone tumor

47. As invited speaker to present a talk at the Australian Sarcoma Group Meeting held on October 13-14, 2007 in Brisbane, Australia.  
**Topic:** Computer navigation for tumours

48. As invited speaker to give talks at the Shanghai Intl' Congress on Orthopaedics & Intl' Forum on Orthopaedic Science and Public Health held in Shanghai, China on August 24-26, 2007.

**Topics:**

- a. Aggressive Surgery for Palliative Applications in patients with Regionally Advanced Tumors.
- b. Computer Assisted Tumor Surgery Achieving Precision and Reliability in Resection & Reconstruction.

49. As invited speaker to give lecture at the "2007 Symposium on Surgical & Multidisciplinary Treatment for Bone Metastatic Tumor held in Beijing, China on June 16-17, 2007.

50. As invited speaker to give lecture & presentation at the 11th International Conference of the Asia Pacific Association of Surgical Banks (APASTB) held at the Tata Memorial Hospital, Mumbai, India on 24-26th November, 2006.

**Topics:**

- a. Clinical Applications of Bone Allografts in Paediatric Patients
- b. Tumour Tissue Bank

51. As invited speaker to give lectures at the 57th POA Annual Convention held at EDSA Shangri La Hotel, Mandaluyong City, Philippines on November 20 to 24, 2006.

**Topics:**

- a. Musculoskeletal Tumors: Pitfalls in Diagnosis
- b. Bisphosphonates in Giant Cell Tumor & Osteolytic Neoplasms

## 10. INVITED LECTURES.

### 10.1 Overseas Lectures

52. As invited speaker to give lecture at the First International Congress of Chinese Orthopaedic Association held at the Jiahua Spa & Resort in Beijing, China on November 13-15, 2006

**Topic:** Actuality and Problems in Treatment of Bone Tumors on Pelvis

53. As invited speaker to give a scientific Lecture at the 4th Floor Meeting Room of S S Admin. Building, The Hospital Centre of CSJ organized by Department of O & T, CHCSJ on April 1, 2006 in Macau, China.

**Topic:** Malignant Primary Bone Tumors : Management Philosophy Current Concepts and Recent Trends

54. As invited speaker to give guest lecture at the 50th Anniversary of Beijing Ji Shui Tan Hospital held on January 14 to 16, 2006 in Beijing, China.

**Topics:**

- a. Surgical Treatment for Bone Tumor
- b. New Advances of Bone Tumor Treatment in HK

55. As a guest speaker of the 6th Asia Pacific Musculoskeletal Tumor Society Meeting held on January 18 to 20, 2006 at the Imperial Mea Ping Hotel, Chiang Mai, Thailand

**Topic:** Juxta-Physeal Resection

56. As a invited speaker of the 50th Anniversary of Indian Orthopaedic Association and recipient of "Eponymous Distinguished Lecture" at the Tata Memorial Hospital, Mumbai India on December 25 to 30, 2005.

57. As a guest speaker to deliver a talk at the Annual Reconstructive Microsurgery Update organized by the Indian Society for Reconstructive Surgery in India on October 22 to 24, 2005.

**Topic:** The Role of Microsurgery in Limb Sparing Surgery for Musculoskeletal Tumors

58. Invited as a symposiast & panelist and invited speaker to present at the Annual Scientific Meeting of Australian Sarcoma Association in Sydney, Australia on 1-2 October 2005

59. Invited as a symposiast in the 13th International Symposium on Limb Salvage (13th ISOLS) in Seoul, Korea from September 7 to 10, 2005.

**Topic:** Medical management of Bone Metastasis (bisphosphonate)

60. As invited speaker at the 2005 2nd International Symposium on Bone and Soft Tissue Sarcoma" held on May 27-29, 2005 in Beijing, China.

**Topics:**

- a. Limb Salvage Surgery in Children
- b. Managing Pelvic Tumors

61. As an invited speaker at the 4th World Congress on Tissue Banking to present the theme "SARS in China" on May 4-6, 2005 in Rio de Janeiro, Brazil.

**Topic:** "SARS in China"

62. As an ambassador of Hong Kong Orthopaedic Association to give a talk on the 26th Annual Meeting of RCOST on October 13-17, 2004 in Pattaya, Thailand.

**Topic:** Thapsigargin potentiates Trail-induced Apoptosis in Giant Cell Tumor of Bone

63. Invited speaker at the Symposium II on Tissue Banking & Orthopaedics in the Third SICOT/SIROT annual International Conference, 26-29 September 2004, Havana, Cuba.

## 10. INVITED LECTURES.

### 10.1 Overseas Lectures

64. Invited speaker of the 14th Triennial Congress of Asia Pacific Orthopaedic Association on 5-10 September 2004 in Kuala Lumpur, Malaysia.

**Topic:** Managing Pelvic Tumours

65. As invited speaker at the Department of Orthopaedics, The First Municipal People's Hospital in GuangZhou, China on August 12, 2004.

**Topic:** The Therapy for the limb malignant Bone Tumor

66. Invited Lecturer on "Training of Tissue Bank Operators using Distance Learning Package IAEA Curriculum on Tissue Banking" (1st Phase) on 3-5 April 02 in Singapore organized by International Atomic Energy Agency.

67. Invited talk on the Silver Jubilee Conference of the Indian Society for Surgery of the Hand on 24~25th November, 01 in Mumbai, India.

68. Invited talk on the Silver Jubilee Conference of the Indian Society for Surgery of the Hand on 24~25th November, 01 in Mumbai, India.

69. Regional Training Course for Delivery of Distance Learning Curriculum to Tissue Banking Operators (1st Phase), 2-13 April 2001, Singapore.

**Topics:**

- a. Biology of Massive Bone Allografts / New Techniques for Allograft Reconstruction video-conferencing / web casting
- b. Research on Bone Allografts / Development of Tissue Banking in Hong Kong
- c. Tumour Banking

70. Invited talk on the 46th Annual Conference of Indian Orthopaedic Association held at Ahmedabad, India on 2001.

71. Philippine Orthopaedic Association Inc. 51st Annual Convention Dec 6-9, 2000, Manila, Philippine.

**Lecture 1:** Staging and the Fundamentals of Oncologic Surgery"

**Lecture 2:** Giant-cell Tumor and Other Benign Aggressive Tumors: Evolving Concepts and Treatment Options"

**Lecture 3:** Limb Salvage for Bone and Soft Tissue Tumours: An Asian Perspective"

72. Invited talk on "A Comprehensive Course in Musculoskeletal Tumours", 4-6 August, 2000, School of Medical Sciences, Universiti Sains Malaysia.

**Topics:**

- a. Staging Spine Tumours
- b. Radius and Elbow Prosthesis and Endoprosthesis

73. The 30th Annual Scientific Meeting of Malaysian Orthopaedic Association Sponsor by HK Orthopaedic Association, 21 – 23 April 2000, Malaysia.

**Paper 1:** "Exostoses that Present in an Unusual way"

**Paper 2:** "The Scope and Limitation of Limb Sparing Surgery in Childhood Sarcoma"

74. Regional Training Course for Delivery of Distance Learning Curriculum to Tissue Banking Operators (1st Phase), 3-15 April 2000. Singapore.

**Topics:**

- a. Allografts for Bone Tumours
- b. Research on Bone Allografts
- c. Tumour Banking



# 10. INVITED LECTURES.

## 10.2 Local Lectures

1. Invited as symposium speaker and conduct a workshop “**Designing Assessment Questions**” for Medical Education Conference (MEC) 2016 held on 28 May 2016 in Hong Kong Academy of Medicine Jockey Club Bldg., HK.

Topic: Assessment in Postgraduate and Professional Medical Education

2. As invited speaker for HA Convention 2016, held on 3-4 May 2016, organized by Hospital Authority.

Topic: How to Continue Biomedical Ethics Education at the Postgraduate Level

3. As invited speaker for The New Medico-Legal Society of HK, held on 27 November 2015.

Topic: Bioethics and the Faculty Reason

4. As invited speaker for the “2015 Intern Orientation” which is jointly organized by CUHK and HA on 8 June 2015 in PWH.

Topic: Medico-legal responsibility of interns

5. As invited speaker for the “SBS Retreat 2015” which is organized by School of Biomedical Sciences, CUHK on 9 May 2015 at the CUHK.

Topic: Assessment of teaching performance

6. As invited speaker for the “22<sup>nd</sup> Annual Scientific Meeting of HK College of Radiologists” which is organized by HK College of Radiologist, held on 1-2 November 2014 at the HK Academy of Medicine Jockey Club Building, Wong Chuk Hang Rd, Aberdeen, HK.

Topic: Surgery for Sarcoma: What’s New

7. Represent the Faculty to attend the 8<sup>th</sup> Business Meeting on East-West Alliance on 26 Oct 2014 held at HKU. Invited to chair the session for “Technology-accelerated learning in the West” of MOOCs in Postmodern Asia on Oct 27, 2014 (Monday).

8. As invited speaker for the “Teaching and Learning seminar” which is organized by Nethersole School of Nursing, CUHK on 9 Dec 2013.

Topic: Understanding Empathy and Compassion

9. As invited speaker for “Frontier in Medical Sciences Education HKU 2013 – From Classroom to Clinic: Opportunities and Challenges in e-Learning” held in HKU on 6-7 Dec 2013.

Topic: Formative Assessment Using A Technology Enhanced Approach

10. As invited speaker for the “GE Lunch Seminar” which is organized by University General Education, CUHK on 25 Nov 2013.

**Topic:** Can Compassion be Taught ? Engaging students to develop compassionate attitudes

11. As invited speaker for the 45th Congress of the International Society of Paediatric Oncology held in Hong Kong Convention Centre on 26 Sept 2013.

12. As invited speaker for the “2013 Intern Orientation” on 10 June 2013 in Lecture Theatre, 2/F, Clinical Sciences Bldg., PWH

**Topic:** Medico-legal responsibility of interns

# 10. INVITED LECTURES.

## 10.2 Local Lectures

13. As invited speaker to give talks in the panel discussion and open forum on the Poly U's excellent Teachers on Teaching Excellence 2013 Symposium, 13 May 2013 in HK Polytechnic University.

**Topics:**

- a. What is needed at the institutional level to help develop excellence in teaching ?
- b. How can excellent teachers facilitate the development of the teaching skills of other colleagues so they can 'step up to excellence' ?

14. As invited guest speaker of the Diploma Programme in Specialty Nursing by The Nethersole School of Nursing, CUHK on 4 Aug 2012 in Rm 605, 6/F, Esther Lee Building, CUHK

**Topics:**

- a. Musculoskeletal Tumors
- b. Radiotherapy & Chemotherapy in Musculoskeletal Tumors

15. As invited speaker to give talk on the ISSPS2011 held on 19 March 2011 in Shaw Auditorium, Postgraduate Education Center, Prince of Wales Hospital, Hong Kong.

**Topic:** Understanding the Pathophysiology of the Difficult Spine (Scoliosis, Ankylosing, Osteoporosis, Rheumatoid Arthritis and Operated Backs)

16. As invited speaker to give talk on the teaching and learning seminar, organized by School of Nursing, CUHK on 11 March 2011 in Hong Kong

**Topic:** How to avoid item writing flaws

17. As invited speaker and local organising committee member of the SICOT/SIROT 2008 XXIV Triennial World Congress held on 24-28 August 2008 in Hong Kong

**Topic:** Resection Planning for Pelvic and Sacral Tumors Using Computer Navigation

18. As invited speaker & chairman of the organising committee to give lecture to the 2<sup>nd</sup> Hong Kong International Burns & Wound Healing Symposium 2008 held on 17-19 May 2008 in Postgraduate Education Center, Prince of Wales Hospital, Hong Kong

**Topic:** Complex sarcoma's of the extremity & pelvis

19. As invited speaker to give a GE Lunch seminar for promoting outcomes-based approaches (OBA) in student learning on April 17, 2008 in G3, Fung King Hey Building, CUHK

20. As invited speaker and organizing committee member to give a talk on the International Robotic Surgery Symposium 2007 held on 21-22 June 2007 in PEC, Hong Kong

**Topic:** Precision Resection and Reconstruction in Musculoskeletal Tumor Surgery by Image Guided Computer Navigation

21. As Speaker to give talks on the RCSEd and CSHK Conjoint Scientific Congress 2006 on 12 October 2006 in Hong Kong.

**Topics:**

- a. An Overview of Limb Salvage Surgery in Hong Kong
- b. Use of Bisphosphonates in Bone Metastases and Osteolytic Neoplasm

22. Didactic Lecture to the Higher Trainee on HKCOS Musculoskeletal Tumour Teaching programme on Sept 13, 2006.

**Topic:** Management of Bone Secondary

23. Lecture to the Interns on Practice Tips Workshops on Feb 9, 2006.

# 10. INVITED LECTURES.

## 10.2 Local Lectures

24. To give lecture for advance trainees on Musculoskeletal Oncology Course on May 16, 2005 at Orthopaedic Learning Centre, Prince of Wales Hospital.
25. Chinese Medicine teaching programme (BCM2205), School of Chinese Medicine, CUHK on “**Principles of Therapeutics in Western Medicine**” on February 7, 2005.
26. To give lecture on Advanced Trauma Course 2004 held at Orthopaedic Learning Centre, Prince of Wales Hospital on 10-11 July 2004.
27. Clinical Tutorial for Higher trainee in QEH on Nov 27, 2004.
28. Lecture to HK Nursing Staff on “Bone Transplantation” in HAHO on 15 April 2004.
29. Lecture to public on “Atypical Pneumonia “ on April 16, 2003.
30. Clinical Tutorials for Higher trainee on Dec 28, 2002.
31. Lecture on Orthopaedic MRI Workshop – A Tumor surgeon’s perspective: How do I make use of MRI in the management of patients with musculoskeletal tumours? on Dec. 15, 2002
32. Lecture on Transplantation course for nurses “Bone Transplantation” on Oct 25, 02
33. Clinical Tutorials for HKCOS Higher Trainees in OLC, PWH on June 8, 2002.
34. Didactic Lectures to the higher trainees of the Hong Kong College of Orthopaedic Surgeons on “How to make a histological diagnosis of musculoskeletal tumour” on 5 June 2002.
35. Chinese Medicine teaching programme, School of Chinese Medicine, CUHK on “Principles of Therapeutics in Western Medicine” on April 16, 2002.
36. Lecture on the Seminar on Organ Donation and Transplantation in Hospital Authority on 15 April 2002.
37. Lecture on the Joint Scientific Meeting of the Royal College of Surgeons in Ireland and The College of Surgeons of Hong Kong held on 18 March 2002 at the Academy of Medicine in Hong Kong.  
**Topic:** Reconstruction / Limb Salvage in Malignant Bone Tumours
38. Invited talk through Tele-conference on Annual Symposium of Philippine Hip and Knee Society, Manila Philippine on “Local Experiences (CUHK) in Management of AVN” in Hong Kong on 2001.
39. Nominated Speaker on “The Scholarship of Teaching and Learning” conference held at University of Hong Kong in 2001.  
**Topic:** Fostering critical thinking skills through a web-based tutorial programme for final year medical students

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

1. Lau CP, Kwok JS, Tsui JC, Huang L, Yang KY, Tsui SK, **Kumta SM**.  
Genome-Wide Transcriptome Profiling of the Neoplastic Giant Cell Tumor of Bone Stromal Cells by RNA Sequencing.  
*J Cell Biochem*. 2017 Jun;118(6):1349-1360.  
doi: 10.1002/jcb.25792. Epub 2017 Jan 10.
2. Chow TW, Leung WK, Cheng FWT, **Kumta SM**, Chu WCW, Lee V, Shing MMK, Li CK.  
Late outcomes in Children with Langerhans Cell Histiocytosis.  
*Arch Dis Child*. 2017 Apr 25. doi: 10.1136/archdischild-2016-312185. [Epub ahead of print]
3. Chen S, Lau P, Lei M, Peng J, Tang T, Wang X, Qin L, **Kumta SM**  
Segmental composite porous scaffolds with either osteogenesis or anti-bone resorption properties tested in a rabbit ulna defect model.  
*J Tissue Eng Regen Med*. 2017 Jan;11(1):34-43.  
doi: 10.1002/term.1828. Epub 2013 Nov 6.
4. Kumta SM.  
Caring for Terminally Ill Patients: Existential and Spiritual Concerns.  
*Asian Bioethics Review*. 2016 Sept;8(3):258-267
5. Wong KC; **Kumta SM**; Geel NV; Demol J.  
One-step Reconstruction with a 3D-printed, Biomechanically Evaluated Custom Implant After Complex Pelvic Tumor.  
*Comput Aided Surg* 2015;20(1):14-23.
6. Lau PY, Wong KC, Huang L, Li G, Tsui SKW, **Kumta SM**.  
A Mouse Model of Luciferase-transfected Stromal Cells of Giant Cell Tumor of Bone.  
*Connect Tissue Res*. 2015 Sep 1:1-11. [Epub ahead of print]  
**(Published online: 01 Sept 2015)**
7. Wong KC, Sze KY, Wong IO, Wong CM, Kumta SM.  
Patient-specific Instrument can achieve same Accuracy with Less Resection Time Than navigation Assistance in Periacetabular Pelvic Tumor Surgery: A Cadaveric Study.  
*Int J Comput Assist Radiol Surg*. **2015 Jul 7. [Epub ahead of print]**
8. Abraham AA, Chow WC, So HK, Yip BH, Li AM, Kumta SM, Woo J, Chan SM, Lau EY, Nelson EA.  
Lifestyle intervention using an internet-based curriculum with cell phone reminders for obese Chinese teens: a randomized controlled study.  
*PLoS One*. 2015 May 6;10(5):e0125673.
9. Wong KC, **Kumta SM**.  
Use of Computer Navigation in Orthopedic Oncology.  
*Curr Surg Rep* 2014;2(7):1-8.
10. Chen SH, Lau PY, Lei M; Peng J, Tang T, Wang XH, Qin L, **Kumta SM**.  
Segmental Composite Porous Scaffolds with Either Osteogenesis or Anti-bone Resorption Properties Tested in a Rabbit Ulna Defect Model  
*J Tissue Eng Regen Med* **(published on-line 6 Nov 2013)**
11. Wong KC, Lee C, Shing MM, **Kumta S**.  
Surgical Resection of Relapse May Improve Postrelapse Survival of Patients with Localized Osteosarcoma.  
*Clin Orthop Relat Res*. 2013 Mar;471(3):814-9.  
<http://link.springer.com/article/10.1007%2Fs11999-012-2590-2>

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

12. Wong KC, Kumta SM.  
Joint-preserving Tumor Resection and Reconstruction Using Image-guided Computer Navigation.  
*Clin Orthop Relat Res.* 2013 Mar;471(3):762-3  
<http://link.springer.com/article/10.1007%2Fs11999-012-2536-8>
13. Wong KC, Kumta SM.  
Computer-assisted Tumor Surgery in Malignant Bone Tumors  
*Clin Orthop Relat Res.* 2013 Mar;471(3):750-61  
<http://link.springer.com/article/10.1007%2Fs11999-012-2557-3>
14. Lau CP, Ng PK, Li MS, Tsui SK, Huang L, Kumta SM.  
p63 Regulates Cell Proliferation and Cell Cycle Progression-associated genes in stromal cells of giant cell tumor of the bone.  
*International Journal of Oncology.* 2013 Feb;42(2):437-443.
15. Burd A, KC Wong, Kumta SM.  
Aggressive Surgical Palliation for Advanced Girdle Tumours  
*Indian J Plastic Surg* 2012 Apr;45(1):16-21.  
<http://www.ijps.org/article.asp?issn=09700358;year=2012;volume=45;issue=1;spage=16;epage=21;aulast=Burd>
16. Griffith JF, **Kumta SM**, Huang Y.  
Hard arteries, weak bones.  
*Skeletal Radiol.* 2011 Feb 27;40:517-21.  
<http://link.springer.com/article/10.1007%2Fs00256-011-1122-6>
17. Tang T, Zhang G, Lau CP, Zheng LZ, Xie XH, Wang XL, Wang XH, He K, Patrick Y, Qin L, **Kumta SM**.  
Effect of water-soluble P-chitosan and S-chitosan on human primary osteoblasts and Giant Cell Tumor of Bone Stromal cells.  
*Biomed Mater.* 2011 Feb;6(1):015004. Epub 2011, Jan 5.  
<http://iopscience.iop.org/1748-605X/6/1/015004/>
18. Chiu KH, Wong KC, Cheung KW, Tse LF, **Kumta SM**  
Letter to the Editor.  
*J Arthroplasty.* 2011 Apr;26(3):507; author reply 507. Epub 2010 Dec 8. No abstract available.  
<http://www.sciencedirect.com/science/article/pii/S0883540310005929>
19. Lau CP, Huang L, Tsui SK, Ng PK, Leung PY, **Kumta SM**.  
Pamidronate, farnesyl Transferase, and Geranylgeranyl Transferase-I Inhibitors Affects Cells Proliferation, Apoptosis, and OPG/RANKL mRNA Expression in Stromal Cells of Giant Cell Tumor of Bone.  
*J Orthop Res.* 2011 Mar;29(3):403-13. Epub 2010 Sep 30.  
<http://onlinelibrary.wiley.com/doi/10.1002/jor.21249/abstract;jsessionid=D45DBEC256A1B83B9D1A319B0E02C795.d04t04>
20. Paunipagar Bhawan Krishna, Griffith JF, Rasalkar DD, Chow TC, **Kumta SM**, Ahuja AT.  
Ultrasound Features of Deep-seated Lipomas.  
*Insights Imaging* 2010;1:149-153.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3259409/>

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

21. Wong KC, **Kumta SM**, Tse LF, Ng EW, Lee KS  
Navigation Endoscopic Assisted Tumor (NEAT) surgery for benign bone tumors of the extremities.  
*Comput Aided Surg.* 2010;15(1-3):32-9.
22. Wong KC, **Kumta SM**, Leung KS, Ng KW, Ng EW, Lee KS  
Integration of CAD/CAM planning into computer assisted orthopaedic surgery.  
*Comput Aided Surg.* 2010;15(4-6):65-74. Epub 2010 Sep 20.
23. Wong KC, **Kumta SM**, Cheung KW, Chiu KH, Tse LF, Shing MK, Li CK.  
Tumour Prosthetic Replacement in Paediatric Bone Cancer.  
*HK J Paediatr (new series)* 2010;15(2):104-10.
24. Ng PK, Tsui SK, Lau CP, Wong CH, Wong WH, Huang L, **Kumta SM**.  
CCAAT/enhancer binding protein beta is up-regulated in giant cell tumor of bone and regulates RANKL expression.  
*J Cell Biochem.* 2010 May 15;110(2):438-46.  
<http://onlinelibrary.wiley.com/doi/10.1002/jcb.22556/abstract>
25. Yang JY, Cheng FW, Wong KC, Lee V, Leung WK, Shing MM, **Kumta SM**.  
Initial Presentation and management of osteosarcoma, and its impact on disease outcome.  
*Hong Kong Med J.* 2009 Dec; 15(6):434-9.  
<http://www.hkmj.org/abstracts/v15n6/434.htm>
26. Kai Hei, Wang XL, **Kumta SM**, Qin L, Yan YN, Zhang RJ, Wang XH.  
Fabrication of a two-level tumor bone repair biomaterial based on a rapid prototyping technique.  
*Biofabrication* 1 (2009):1-7.  
<http://iopscience.iop.org/1758-5090/1/2/025003/>
27. Wong KC, **Kumta SM**, Antonio GE; Tse LF.  
Image Fusion for Computer-assisted Bone Tumor Surgery.  
*Clin Orthop Relat Res.* 2008 Oct;466(10):2533-41.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2584299/>
28. Tse LF, Wong KC, **Kumta SM**, Huang L, Chow TC, Griffith JF.  
Bisphosphonates Reduce Local Recurrence in Extremity Giant Cell Tumor of Bone: A case-control Study.  
*Bone* 2008 Jan;42(1): 68-73.  
<http://www.sciencedirect.com/science/article/pii/S875632820700662X>
29. Wong KC, **Kumta SM**, Cheung KW, Chiu KH, Tse LF.  
Tumor prosthetic revision in patients with failed biological reconstruction after limb salvage surgery of primary bone tumors.  
骨肿瘤初次保肢手术后生物性重建失败的肿瘤假体翻修术.  
*Chin J Joint Surg, (Electronic version)* 2007;1(5):261-264.
30. KC Wong, **SM Kumta**, KH Chiu, KW Cheung, KS Leung, P Unwin, MCM Wong.  
Computer assisted pelvic tumor resection and reconstruction with a custom-made prosthesis using an innovative adaptation and its validation.  
*Computer aid surgery* 2007 Jul;12(4):225-232.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

31. KC Wong, **SM Kumta**, KH Chiu, GE Antonio, P Unwin, KS Leung.  
Precision Tumour resection and Reconstruction Using Image-guided Computer Navigation.  
*JBJS* 2007 Jul; 89B(7):943-947.  
<http://www.bjj.boneandjoint.org.uk/content/89-B/7/943.long>
32. Young JS, **Kumta SM**, Maffulli N.  
Achilles tendon rupture and tendinopathy: management of complications.  
*Foot Ankle Clin.* 2005 Jun;10(2):371-82.  
<http://www.sciencedirect.com/science/article/pii/S1083751505000057>
33. Partsalis T, Chan Yuen Shan Lisa; Hurworth M; Willers C; Pavlos N; Kumta N; Wood D; Xu J;  
**Kumta SM**; Lo YMD and Zheng MH.  
Evidence of circulating donor genetic material in bone allotransplantation.  
*International Journal of Molecular Medicine* 2006 June;17(6):1151-5.  
<http://www.spandidos-publications.com/ijmm/17/6/1151>
30. Griffith JF, Tong MP, Hung HY, **Kumta SM**.  
Plastic deformation of the femur: crosssectional imaging.  
*AJR Am J Roentgenol.* 2005 May;184(5):1495-8.  
<http://www.ajronline.org/doi/abs/10.2214/ajr.184.5.01841495>
35. Griffiths JF; Antonio GE; **Kumta SM**; Hui DSC; Wong JKT; Joynt GM; Wu AKL; Cheung AYK;  
Chiu KH; Chan KM; Leung PC; Ahuja AT.  
Osteonecrosis of Hip and Knee in Patients with Severe Acute Respiratory Syndrome Treated  
with Steroids.  
*Radiology* 2005 Apr;235(1): 168- 175.  
<http://radiology.rsna.org/content/235/1/168.long>
36. 滕曉英,王連唐,黃琳,**Kumta SM**.  
補腎補骨湯治療絕經後骨質疏鬆症的療效及分子機制.  
中國病理生理雜誌 2004;20(11):2005-2010.
37. Chow LTC, **Kumta SM**.  
Primary osteochondrorhabdomyosarcoma (malignant mesenchymoma) of the fibula: a rare  
tumour in an unusual site – Case report and review of the literature.  
*APMIS* 2004 Sept;112(9);617-23.  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0463.2004.apm1120910.x/abstract>
38. Cheng YY, Hung L, Lee KM, Xu JK, Zheng MH, **Kumta SM**.  
Bisphosphonates Induce Apoptosis of Stromal Tumor Cells in Giant Cell Tumour of Bone.  
*Calcif Tissue Int.* 2004 July;75(1):71-7.  
<http://link.springer.com/article/10.1007%2Fs00223-004-0120-2>
39. Huang L, Xu JK, Li K, Zheng MH, **Kumta SM**.  
Thapsigargin Potentiates Trail-induced Apoptosis in Giant Cell Tumor of Bone.  
*Bone* 2004 June;34(6):971-81.  
<http://www.sciencedirect.com/science/article/pii/S8756328204000699>
40. Cheng YY, Huang L, Lee KM, Li K, **Kumta SM**.  
Alendronate regulates cell invasion and MMP-2 secretion in human osteosarcoma cell lines.  
*Pediatr Blood Cancer* 2004 May;42(5):410-5.  
<http://onlinelibrary.wiley.com/doi/10.1002/pbc.20019/abstract>

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

41. Chow LTC, Ho PC, **Kumta SM**.

Papillary endothelial hyperplasia within synovial haemangioma of the flexor tendon sheath of the wrist.

*APMIS* 2004 Apr-May;112 (4-5): 314-8.

<http://onlinelibrary.wiley.com/doi/10.1111/j.1600-0463.2004.apm11204-0514.x/abstract>

42. Griffith JF, Chan DPN, **Kumta SM**, Chow LTC, Ahuja AT.

Does Doppler Analysis of Musculoskeletal Soft-tissue Tumours Help Predict Tumour Malignancy?

*Clin Radiol* 2004 Apr;59(4):369-75.

<http://www.sciencedirect.com/science/article/pii/S0009926003005014>

43. Ronald Boet, Ng HK, **Kumta SM**, Chan LC, Chiu KW, Poon WS.

Lumbosacral clear-cell meningioma treated with subtotal resection and radiotherapy.

*J Clin Neurosci* 2004 May;11(4):432-436.

<http://www.sciencedirect.com/science/article/pii/S0967586803003941>

44. Huang L, Teng XY, Cheng YY, Lee KM, **Kumta SM**.

Expression of Pre-osteoblast markers and Cbfa-1 and Osterix gene transcripts in stromal tumour cells of giant cell tumour of bone.

*Bone* 2004 Mar;34(3):393-401.

<http://www.sciencedirect.com/science/article/pii/S875632820300396X>

45. LTC Chow, YH Lui, **SM Kumta**, PW Allen.

Primary sclerosing epithelioid fibrosarcoma of the sacrum: a case report and review of the literature.

*J Clin Pathol* 2004 Jan;57(1):90-94.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1770169/>

46. Cheng YY, Huang L, Kumta SM, Lee KM, Lai FM, Tam JSK

Cytochemical and ultrastructural changes in the osteoclast-like giant cells of Giant Cell Tumor of bone following bisphosphonate administration.

*Ultrastruct Pathol* 2003 Nov-Dec;27(6):385-91.

<http://informahealthcare.com/doi/pdf/10.1080/01913120390248629>

47. Huang L, Cheng YY, Koo PL, Lee KM, Qin L, Cheng CY, **Kumta SM**.

The effect of hyaluronan on osteoblast proliferation and differentiation in rat calvarial-derived cell cultures.

*J Biomed Mater Res A*. 2003 Sep 15;66(4):880-4.

<http://onlinelibrary.wiley.com/doi/10.1002/jbm.a.10535/abstract>

48. Andrew IC, Huang L, Xu JK, **Kumta SM**, Wood D, Zheng MH.

Expression and Localization of Extracellular Matrix Metalloproteinase Inducer in the Giant Cell Tumor of Bone.

*J Cell Biochem* 2003 Aug;15;89(6):1154-63..

<http://onlinelibrary.wiley.com/doi/10.1002/jcb.10578/abstract>

49. **Kumta SM**, Huang L, Cheng YY, Chow LT, Lee KM, Zheng MH.

Expression of VEGF and MMP-9 in Giant Cell Tumor of Bone and other osteolytic lesions.

*Life Sci*.2003 Aug; 73(11):1427-36.

<http://www.sciencedirect.com/science/article/pii/S002432050300434X>



# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

50. **Kumta SM**, Griffith JF, Quintos AD, Chow LTC, Leung PC. Metastatic Carcinomas Presenting at the shoulder Girdle. *HK Journal of Ortho Surgery* 2003;7(20):117-121.
51. Huang L, Cheng YY, Chow TC, Zheng MH, **Kumta SM**. Receptor Activator of NF-kB Ligand (RANKL) is expressed in chondroblastoma: Possible involvement in osteoclastic giant cell recruitment. *Mol Pathol.* 2003 Apr;56(2):116-20.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1187303/>
52. Chow LTC, **Kumta SM**. Massive intestinal hemorrhage resulting from a polypoid tumor in the sigmoid colon. *Spine (Phila Pa 1976)* 2003 Mar;15;28(6):E121-4.
53. **Kumta SM**, Maffulli N. Local flap coverage for soft tissue defects following open repair of Achilles tendon rupture. *Acta Orthop Belg* 2003;69(1):59-66.
54. Wong KT, Chu WCW, Griffith JF, Chan YL, **Kumta SM**, Leung PC. Pseudoaneurysm Complicating osteochondromas: Symptom Relief with embolization. *Clin Orthop Relat Res.* 2002 Nov;(404):339-42.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1769799/>
55. Huang L, YY Cheng, LTC Chow, MH Zheng, **SM Kumta**. Tumor Cells Produce Receptor Activator of NF-kappa B Ligand (RANKL) in Skeletal Metastases. *J Clin Pathol.* 2002 Nov;55(11):877-8.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1769799/>
56. Griffith JF, **Kumta SM**, Leung PC, Cheng JC, Chow LT, Metreweli C. Imaging of musculoskeletal tuberculosis: a new look at an old disease. *Clin Orthop Relat Res.* 2002 May;(398):32-9.
57. **Kumta SM**, Cheng JCY, Li CK, Griffith JF, Chow LTC, Quintos AD. Scope and Limitations of Limb-Sparing Surgery in Childhood Sarcomas. *J Pediatr Orthop* 2002 Mar-Apr;22(2):244-48.
58. **Kumta SM**, Tong WC, Yin LC. Defining educational objectives in orthopaedic training: A primer for trainers. *Hong Kong Journal of Orthopaedic surgery* 6(1):6-12, 2002.
59. **Kumta SM**, Quintos AD, Griffith JF, Chow LTC, Wong KC. Closed retrograde nailing of Pathological Humeral Fractures. *Int Orthop* 2002;26(1):17-9.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3620852/>
60. Mac-Moune Lai F, To KF, Choi PCL, Leung PC, **Kumta SM**, Yuen PPM, Lam WY, Cheung NY, Allen PW. Kaposiform Hemangioendothelioma: Five Patients with Cutaneous Lesion and Long Follow-up. *Mod Pathol.* 2001 Nov;14(11):1087-92.  
<http://www.nature.com/modpathol/journal/v14/n11/full/3880441a.html>

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

61. Huang L, Xu J, **Kumta SM**, Zheng MH.  
Gene expression of glucocorticoid receptor alpha and beta in giant cell tumour of bone: evidence of glucocorticoid-stimulated osteoclastogenesis by stromal-like tumour cells.  
*Mol Cell Endocrinol* 2001 Jul;181(1-2):199-206.  
<http://www.sciencedirect.com/science/article/pii/S0303720701004865>
62. Pang LM, Roebuck DJ, Griffith JF, **Kumta SM**, Metreweli C.  
Alveolar soft-part sarcoma: a rare soft-tissue malignancy with distinctive clinical radiological features.  
*Pediatr Radiol.*2001 Mar;31(3):196-9.
63. **Kumta SM**, Zhu QS, Lee KM, Griffith JF, Chow LTC, Leung PC.  
Clinical Significance of Pglycoprotein Immunohistochemistry & Doxorubicin Binding Assay In Osteosarcoma Patients.  
*Int Orthop* 2001;25(5):279-82.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3620808/>
64. Kew J, **Kumta SM**, Leung PC. Case reports.  
Case reports. Giant cell tumour in the scaphoid bone.  
*Clin Radiol* 2000 Sept;55(9):717-8.  
<http://www.sciencedirect.com/science/article/pii/S0009926000901120>
65. Ng WH, Griffith JF, **Kumta SM**, Chow LTC, Metreweli C.  
Sonography versus MRI in detecting local recurrence of malignant sarcomas.  
*Journal of the Hong Kong College of radiologist.* 2000 Aug;3(suppl):259.
66. Chow LTC, Griffith J, Chow WH, **Kumta SM**.  
Monostotic Fibrous Dysplasia of the Spine: Report of a case involving the lumbar transverse process and review of the literature.  
*Arch Orthop Trauma Surg.* 2000;120(7-8):460-4.  
<http://link.springer.com/article/10.1007%2FPL00013774>
67. Zheng MH, Xu Jiake, Robbins P, Pavlos N, Wysocki S, **Kumta SM**, Wood DJ, Paradimitriou JM.  
Gene Expression of Vasucular Endothelial Growth Factor in Giant Cell Tumors of Bone.  
*Hum Pathol* 2000 Jul;31(7):804-12.  
<http://www.sciencedirect.com/science/article/pii/S0046817700908190>
68. **Kumta SM**, Leung PC, Griffith JF, Kew J, Chow LTC.  
Vascularised bone grafting for fibrous dysplasia of the upper limb.  
*J Bone Joint Surg Br* April 2000;82-B(3):409-412  
<http://www.bjj.boneandjoint.org.uk/content/82-B/3/409.long>
69. **Kumta SM**, Panozzo A, Leung PC, Fong SL.  
Repair of muscle and musculotendinous junction injuries with an autogenous fascial patch.  
*Arch Orthop Trauma Surg.* 2000;120(3-4):198-200.  
<http://link.springer.com/article/10.1007%2Fs004020050043>
70. Roebuck DJ, Griffith JF, **Kumta SM**, Leung PC, Metreweli C.  
Imaging following allograft reconstruction in children with malignant bone tumours.  
*Pediatr Radiol* 1999 Oct;29(10):785-93

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

71. **Kumta SM**, Chow TC, Griffith J, Li CK, Kew J, Leung PC.  
Classifying the location of osteosarcoma with reference to the epiphyseal plate helps determine the optimal skeletal resection in limb salvage procedures.  
*Arch Orthop Trauma Surg* 1999;119(5-6):327-31.  
<http://link.springer.com/article/10.1007%2Fs004020050420>
72. Chow LT, Griffith JF, **Kumta SM**, Leung PC.  
Chronic recurrent multifocal osteomyelitis: A great clinical and radiologic mimic in need of recognition by the pathologist.  
*APMIS*. 1999 Apr;107(4):369-79.
73. Fu LK, **Kumta SM**, Leung PC, Chow TC.  
Musculoskeletal tissue banking clinical and research applications.  
*Transplant Proc*. 1998 Nov;30(7):3775.  
<http://www.sciencedirect.com/science/article/pii/S0041134598012317>
74. **Kumta SM**, Leung PC, Griffith JF, Roebuck DJ, Chow LTC, Li CK.  
A Technique for enhancing union of allograft to host bone.  
*J Bone Joint Surg [Br]* 1998 Nov;80(6):994-8.  
<http://www.bjj.boneandjoint.org.uk/content/80-B/6/994.long>
75. **Kumta SM**, Kew J, Fu LK, Leung PC.  
Massive diaphyseal and pelvic bone allograft for skeletal reconstruction.  
*Transplant Proc*. 1998 Nov;30(7):3776.  
<http://www.sciencedirect.com/science/article/pii/S0041134598012329>
76. **Kumta SM**, Griffith JF, Chow LTC, Leung PC.  
Primary juxtacortical chondrosarcoma dedifferentiating after 20 years.  
*Skeletal Radiol* 1998 Oct;27(10):569-73.
77. **Kumta SM**, Leung PC, Chow TC, To SH, Lee KM, Cheng SH.  
Assessment of Chemosensitivity in Patients with Osteogenic Sarcoma Using the Doxorubicin Binding Assay.  
*J Surg Oncol*. 1998 Jul;68(3):169-72.  
[http://onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1096-9098\(199807\)68:3%3C169::AID-JSO7%3E3.0.CO;2-3/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1096-9098(199807)68:3%3C169::AID-JSO7%3E3.0.CO;2-3/abstract)
78. Chow LTC, Allen PW, **Kumta SM**, Griffith J, Li CK, Leung PC.  
Angiomatoid Malignant Fibrous Histiocytoma: Report of an Unusual Case with Highly Aggressive Clinical Course.  
*J Foot Ankle Surg* 1998 May-June;37(3):236-9.
79. **Kumta SM**, Leung PC, Yip K, Hung LK, Panozzo A, Kew J.  
Vascularized bone grafts in the treatment of juxta-articular giant-cell tumors of the bone.  
*J Reconstr Microsurg*. 1998 Apr;14(3):185-90.  
<https://www.thieme-connect.com/DOI/DOI?10.1055/s-2007-1000164>
80. Griffith JF, **Kumta SM**, Chow LTC, Leung PC, Metreweli C.  
Intracortical osteosarcoma.  
*Skeletal Radiol*. 1998 Apr;27(4):228-32.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

81. Chow LTC, **Kumta SM**, King WW.  
Extra-articular pigmented villonodular synovitis of the temporomandibular joint.  
*J Laryngol Otol.* 1998 Feb;112(2):182-5.
82. **Kumta SM**, Leung PC.  
The Technique and Indications for the Use of Biodegradable Implants in Fractures of the Hand.  
*Techniques in Orthopaedics.* 1998;13(2):160-3.
83. **Kumta SM**, Chow TC, Griffith J, Li CK, Leung WT, Leung PC.  
Limb Salvage for Osteosarcoma in Children & Adolescents.  
*Hong Kong Journal of Orthopaedic Surgery* 1998;2(1) 38-46.
84. Griffith JF, **Kumta SM**.  
Clinics in Diagnostic Imaging (25). Aggressive Vertebral Haemangioma.  
*Singapore Med J.* 1997 May;38(5):226-30.
85. **Kumta SM**, Kendal N, Lee YL, Panozzo A, Leung PC, Chow TC.  
Bacterial Colonization of bone allografts related to increased interval between death & procurement: an experimental study in rats.  
*Arch Orthop Trauma Surg* 1997;116(8):496-7.
86. Yip KMH, Yip JL, **Kumta SM**, Leung PC.  
Subcutaneous ("Inverted") Verrucous Carcinoma with Bone Invasion.  
*Am J Dermatopathol.* 1997 Feb;19(1):83-6.
87. **Kumta SM**, Yip KMH, Pannozzo A, Fong SL, Leung PC.  
Resurfacing of thumb-pulp loss with a heterodigital neurovascular island flap using a nerve disconnection/reconnection technique.  
*Reconst Microsurg* 1997 Feb;11(2): 117-23.
88. **Kumta SM**, Chan KM, Lee KM, Leung PC.  
Stabilization of Osteochondral fractures: an experimental study comparing polyglycolic acid degradable pin with K-wire stabilization in rabbits.  
*Arch Orthop Trauma Surg.* 1997;116(8):492-5
89. Griffith JF, **Kumta SM**, Chow LTC, Ann D. King, Leung PC.  
Sclerosis and Swelling of the Clavicle in a 44-Year-Old Woman.  
*Clin Orthop Relat Res* 1998 Jan;(346):279-83, 286-8.
90. Yip KMH, Lee YL, **Kumta SM**, Lin J.  
The Second Case of Paget's disease (Osteitis Deformans) in a Chinese Lady.  
*Singapore Med J* 37(6):665-7, Dec 1996.
91. Chow LTC, Lin J, Yip KMH, **Kumta SM**, Ahuja AT, King WWK, Lee JCK.  
Chondromyxoid fibroma-like osteosarcoma: a distinct variant of low-grade osteosarcoma.  
*Histopathology* 1996 Nov;29(5):429-36.
92. Li CK, **Kumta S**, Chik KW, Shing MK, Lai H, Leung PC, Yuen P.  
Treatment of Paediatric Bone Tumours by Limb Salvage Operation.  
*Med Pediatr Oncol* 1996 Oct;27(4):313.
93. Liu PPL, Leung KS, **Kumta SM**, Lee KM, Fung KP.  
Bone Specific Alkaline Phosphatase in Plasma as Tumor Marker for Osteosarcoma.  
*Oncology* 1996 Jul-Aug;53(4):275-80.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

94. Yip KMH, J Lin, **Kumta SM**.  
A Pelvic Osteosarcoma with Metastasis to The Donor Site of the Bone Graft. A case report.  
*Int Orthop* 20(6):389-91, 1996.
95. **Kumta SM**, Yip K, Roy N, Lee SKM, Leung PC.  
Revascularisation of Bone Allografts following Vascular Bundle Implantation: An experimental study in rats.  
*Arch Orthop Trauma Surg.* 1996;115(3-4):206-10.
96. Yip KMH, Leung PC, **Kumta SM**.  
Osteosarcoma in Hong Kong.  
*Clin Orthop Relat Res* 1996 Feb;(323):49-59.
97. Yip KMH, Leung PC, **Kumta SM**.  
Giant Cell Tumor of Bone.  
*Clin Orthop Relat Res* 1996 Feb;(323):60-4.
98. Stewart IET, Davey I, **Kumta S**, Metrwelli C, Leung PC.  
Bone Scintigraphic Appearances of Massive Allograft and Local recurrence of Osteosarcoma.  
*Clin Nucl Med* 1995 Apr;20(4):376-7.
99. Lin J, Leung WT, Ho SKW, Ho KC, **Kumta SM**, Metreweli C, Johnson PJ.  
Quantitative Evaluation of Thallium-201 Uptake in Predicting chemotherapeutic response of osteosarcoma.  
*Eur J Nucl Med* 1995 Jun;22(6):553-5.
100. **Kumta SM**, Yip KMH, Lee YL, Lin J, Leung PC.  
Limb Salvage Surgery with Microsurgical Reconstruction for the Treatment of Musculoskeletal Tumours Involving the Upper Extremities.  
*Ann Acad med Singapore.* 1995 Jul;24(4 Suppl):8-14.
101. **Kumta SM**, Spinner R, Hung LK, Leung PC.  
Congenital Pseudarthrosis of the Tibia in Adults Treated by a Free Vascularized Iliac Crest Graft.  
*Microsurgery* 1994;15(8):598-603.
102. **Kumta SM**, Davey I, Lin J, Yip KMH, Dremediou S, Chow LTC.  
Percutaneous Image Guided Biopsy of Bone & Soft Tissue Tumors.  
*J Orthop Surg* 1994;2(2): 61-6.
103. **Kumta SM**, Narayan R, Suryanarayan P, Chadda R, Kulkarni SS, Laud NS.  
Impalement Injuries: Experience at a Regional Trauma Centre.  
*Asian Journal of Surgery* 1993;16(4):303-8.
100. **Kumta SM**, Leung PC, Spinner R.  
Effect of Degradable Implants Placed Across the Growing Epiphyses – An Experimental Study in Rabbit Distal Femur.  
*J. Asean Orthopedic Association* 1993;7(2):15-8.
101. Soubber RHm Gubsburg WW, Lie JT, **Kumta SM**, Leung PC.  
Atypical Eosinophilic Fasciitis Localized to the Hands and Feet: A Report of Four Cases.  
*J Rheumatol* 1992 Jul;19(7):1141-6.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.1 Journals

102. **Kumta SM**, Leung PC.

Use of Silastic Sheet in the Treatment of Nail Bed Injuries – Short Term Clinical Results.

*J. Western Pacific Orthopaedic Assn.*, XXIX(1): 83-6, Jun 1992.

103. King Walter WK, **Kumta SM**, Li AKC.

The Pattern of Burn Injuries in Patients Admitted to a Regional Burn Centre of Hong Kong.

*J. Hong Kong Med. Assoc.*, 1992;44(1):35-39.

104. **Kumta SM**, Spinner R, Leung PC.

Absorbable Intramedullary Implants for Hand Fractures – Animal Experiments and Clinical Trial.

*J Bone Joint Surg Br.* 1992 Jul;74(4):563-6.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.2 Books & Chapter

1. Wong KC, Kumta SM, Tse LF, Ng EWK, Lee KS. "A Practical Guide to Computer Assisted Tumor Surgery". Kumta SM ed., Published 2010 (Book).
2. 古明達. 配合個案研習的自動化反饋. 出版於"導向學習的評估". 二零零七年第一版.pp.131-132.
3. **Kumta SM**, Leung PC, Fu LK. "Bone Allotransplantation: Future Directions" in Bone Grafts and Bone Substitutes – Basic Sciences and Clinical Applications. Aziz Nather, Ed., World Scientific Publishing Co. Pte. Ltd. 2005. pp. 243-254.
4. **Kumta SM**, Chow Louis TC, Griffith James, Fu LLK, Leung PC. "The Biology of Massive Bone Allografts: Understanding Allograft Biology and Adapting it Towards Successful Clinical Application" in the Allograft in Bone Healing: Biology and Clinical Applications – Vol. 1, Glyn O Phillips Ed, World Scientific Publishing Co. Pte. Ltd, 2003. p.p. 1-18.
5. **SM Kumta**, PC Leung, Fu LK. "Bone Allograft transplantation – Future Directions" in Research Methodology in Orthopaedics & Reconstruction Surgery. Aziz Nather Ed, World Scientific Publishing Co Pte Ltd, 2002. p.p. 395-407.
6. **Kumta SM**, Chow LTC, YY Cheng. "The Tumor Tissue Bank" in Research Methodology in Orthopaedics & Reconstruction Surgery. Aziz Nather Ed, World Scientific Publishing Co Pte Ltd, 2002, pp. 487-498.
7. **SM Kumta**. Research in Microvascular Surgery-Bone" in Research Methodology in Orthopaedics & Reconstruction Surgery. Aziz Nather Ed, World Scientific Publishing Pte Ltd. (Scheduled – In press)
8. Victoria Y.Y. Cheng, Linda L Huang, **SM Kumta**. "Enzyme Linked Immuno-assay for research studies" in Research Methodology in Orthopaedics & Reconstruction Surgery. Aziz Nather Ed, World Scientific Publishing CO. Pte Ltd. (in press - Scheduled)
9. **Kumta SM**, Chow Louis TC, Griffith James, Fu LLK, Leung PC. "The Biology of Massive Bone Allografts: Understanding Allograft Biology and Adapting it Towards Successful Clinical Application" in The Scientific Basis of Tissue Transplantation. Aziz Nather Ed, World Scientific Publishing Co. Pte. Ltd, 2001. Pages 455-472. (Advances in Tissue Banking Vol. 5.)
10. **SM Kumta**, Fu LLK, Griffith JF, Chow LTC, Leung PC. "The Development of a Regional Musculoskeletal Tissue Bank in Hong Kong: Integration of research and clinical applications" in Advances in Tissue Banking Vol. 3. GO Phillips Ed., World Scientific Publishing Co. Pte. Ltd., 1999. Pages 427-435.
11. Leung PC, **Kumta SM**. "Use of Absorbable Implants in Hand Fractures" in Self Reinforced Biodegradable Polymer Composites in Surgery. P Tormala & P Rokkannen Ed, CRC Press INC, F1 USA. 1996.
12. **Kumta SM**, Spinner R, Hung LK, Leung KS, Mak AFT, Leung PC. "Biodegradable Implants Experimental and Clinical Studies" in Biodegradable Implants For Fracture Fixation. KS Leung & LK Hung Ed, World Scientific, Singapore, 1994. pp 217-224.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

1. **Kumta SM**, Wong KC, Chiu WK, Lugee Lucci Li-yeung.  
Is Acetabular Salvage Possible in Skeletally Immature Patients with Proximal Femoral Tumors? Long Term Results.  
Paper presented in the 19<sup>th</sup> International Society of Limb Salvage General Meeting in Kanazawa, Japan on 10-12 May 2017.
2. Chiu WK, Wong KC, **Kumta SM**.  
Long Term Results on Prosthetic Revision in Patients with Stiff Knees and Shortened Legs after Failed Biological Reconstruction of Limb Salvage Surgery.  
Paper presented in the 19<sup>th</sup> International Society of Limb Salvage General Meeting in Kanazawa, Japan on 10-12 May 2017.
3. Wong KC, **Kumta SM**, Chiu WK.  
The Early Results of 3D Surgical Planning and Patient Specific Instruments (PSI) for Complex Resections in Bone Sarcoma Surgery.  
Paper presented in the 19<sup>th</sup> International Society of Limb Salvage General Meeting in Kanazawa, Japan on 10-12 May 2017.
4. Wong KC, **Kumta SM**, Chiu WK.  
The Mid-term results of Joint-sparing Resection and Custom Prosthetic Reconstruction in Pediatric and Young Adult Patients with Bone Sarcoma of Lower Extremities.  
Paper presented in the 19<sup>th</sup> International Society of Limb Salvage General Meeting in Kanazawa, Japan on 10-12 May 2017.
5. Kumta SM.  
Poster presentation in the IAB 2016 Conference (International Association of Bioethics) held on Jun 14-17 2016 in Edinburgh, Scotland.
6. Kumta SM.  
Joint Sparing Resections and Reconstruction: The Changing Paradigm of Limb Salvage Invited speaker to give talk on the 26<sup>th</sup> Forum of the Surgical Society for Musculoskeletal Sarcoma (SSMS) in Tokyo, Japan on 8 March 2014.
7. Lam TP, Cheng CYJ, Ng KWB, Hung WYV, Kumta SM.  
Outcome-based Orthopaedic Training with an Innovative Web-based Platform".  
Paper presented in the 17th Congress of Asia Pacific Orthopaedic Association (APOA), 1 pgs. New Delhi, India, 2013.10.03.
8. Lau PY, Lee YW, Li G, Tsui KW, Huang L, Kumta SM.  
Treatment of Giant Cell Tumor of Bone by the Combination of Nitrogen-Bisphosphonates and Prenyl Transferase Inhibitors: an in Vivo Study". SBS Research Day 2013, CUHK, Poster. no.P-12 Hong Kong SAR, 2013.06.06.
9. Kumta SM, Wong KC.  
Future Trends in Inter Calary Resections and Reconstruction. The Changing Paradigm of the Limb Salvage.  
Paper presented in the 9<sup>th</sup> Asia Pacific Musculoskeletal Tumour Society Meeting held at Malaysia, on 8 Sept 2012. (P.18)
10. Kumta SM, J F Griffith.  
The Role of PET Imaging in Bone Tumor Resection and Outcome.  
Paper presented in the 9<sup>th</sup> Asia Pacific Musculoskeletal Tumour Society Meeting held at Malaysia, on 8 Sept 2012. (P.17)



# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

11. Tse LF, Wong KC, Kumta SM, Cheung KW, Chiu KH.  
Periprosthetic Infection for Oncological Condition after Tumor Resection and Revision Failed Allograft Reconstruction.  
Paper presented in the 31<sup>st</sup> Annual Congress of the Hong Kong Orthopaedic Association 2011, organized by The HK Orthopaedic Association on Nov 2011.
12. Wong KC, Kumta SM, Tse LF, Ng WK, Lee KS.  
Computer Assisted Tumor Surgery (CATS): An Average of 3 years Follow-up and Technology Update.  
Paper presentation in the 16<sup>th</sup> ISOLS (International Society of Limb Salvage) General Meeting in Beijing China on 16-18 Sept 2011. (19.3)
13. Wong KC, Lee Vincent, Shing MK, Cheng WT, Leung WK, Tse LF, Kumta SM, Li CK.  
Clinical Outcome of Relapsing Patients with Localized High Grade Osteosarcoma: Experience at a Single Paediatric Oncology Center in Hong Kong.  
Paper presentation in the 16<sup>th</sup> ISOLS (International Society of Limb Salvage) General Meeting in Beijing China on 16-18 Sept 2011. (02.2)
14. Wong KC, Tse LF, Kumta SM, Ng WK, Lee KS.  
Minimal Access Surgery in Benign Bone Tumors under Computer Navigation and Endoscopic Assistance.  
Poster presentation in the 16<sup>th</sup> ISOLS (International Society of Limb Salvage) General Meeting in Beijing China on 16-18 Sept 2011. (P2.83)
15. KC Wong, Shekhar Kumta, Tse LF, NG WK, Lee KS.  
Conservative Sarcoma Surgery: Joint Sparing Resection and Reconstruction using Computer Navigation.  
Poster presentation in the 16<sup>th</sup> ISOLS (International Society of Limb Salvage) General Meeting in Beijing China on 16-18 Sept 2011. (P1.55)
16. Chen SH, Tang T, Liu Z, Lau PY, Xie XH, Wang XL, Qin L, Kumta SM.  
The Study on Osteointegrative Properties of a Functional Gradient Tumor Bone Repair Materials in Ulna Bone Defect Model of Rabbits.  
Paper presentation in the Orthopaedics and Traumatology, organized by Orthopaedic Research Society. 1pgs, at the California, USA on 12 Jan 2011.
17. Tse LF, Wong KC, **Kumta S**, Ng Alex, Griffith J, Chow LTC.  
Oncologic Outcome Following Juxta Physeal Resection of Malignant Bone Tumor with Narrow Margins. (P.4.11)  
Paper presentation in the 30<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association in HK on 27-28 Nov, 2010.
18. Tse LF, Wong KC, **Kumta S**, Chiu KH, Cheung KW.  
Proximal Femur Endoprosthesis Recostruction for Musculoskeletal Tumor: A report of Clinical Outcome. (P.410) Paper presentation in the 30<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association in Hong Kong on 27-28 November 2010.
19. **Kumta SM**.  
Joint Sparing Resections: The Changing Paradigm of Limb Salvage  
Paper presentation the 40<sup>th</sup> Annual Congress of the Korean Bone and Joint Tumor Society on Korea on 19 November 2010.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

20. Kumta SM.

- 1) Recurrent Giant Cell Tumor
- 2) Benign Bone Tumors: A closer look

Paper Presentation at the 44<sup>th</sup> Western India Regional Orthopaedic Conference held at Mumbai, India on 11-12 Nov 2010.

21. Qin L, Tang T, Liu Z, Lau PY, Xie XH, Wang XL, Peng J, Zhang G, He K, Wang XH, Chen SH, **Kumta SM.**

The Study on Osteointegrative Properties of a Functional Gradient Tumor Bone Repair Materials in Ulna Bone Defect Model of Rabbits.

Paper presented in the 7<sup>th</sup> Combined Meeting of the Orthopaedic Research Societies, organized by The Japanese Orthopaedic Association and The Chinese Orthopaedic Research Society, 1pgs in Kyoto, Japan on 17 Oct 2010.

22. Zhang G, Tang T, Lau PY, Zheng LZ, Xie XH, Wang XL, Wang XH, He K, Yung PSH, Qin L, **Kumta SM.**

Investigation of the Effect of Water Soluble P-Chitosan and S-Chitosan on Human Primary Osteoblast and Giant Cell Tumor of Bone Stromal Cells.

Paper presented in the 7<sup>th</sup> Combined Meeting of the Orthopaedic Research Societies, organized by The Japanese Orthopaedic Association and The Chinese Orthopaedic Research Society, 1pgs in Kyoto, Japan on 17 Oct 2010.

23. Wong KC, **Kumta SM**, Cheung KW, Chiu KH, Tse LF, Ng WK, Lee KS.

Computer-assisted Tumour Surgery can Achieve Precise Tumour Resection and Precision Fit of Computer-aided Design Custom Tumour Prostheses.

Poster presentation in the 29<sup>th</sup> Annual Congress of the Hong Kong Orthopaedics Association in Hong Kong on 28-29 November 2009. (Poster 37, P.146)

24. Wong KC, Ng EWK, Lee KS, Tang N, Tse LF, **Kumta SM**, Leung KS.

New Application of Computed Tomography-fluoro Matching For Pelvic Bone Registration in Computer-assisted Orthopaedic Surgery.

Poster presentation in the 29<sup>th</sup> Annual Congress of the Hong Kong Orthopaedics Association in Hong Kong on 28-29 November 2009. (Poster, P.141)

25. Cheung KW, Wong KC, Lee KS, Ng EWK, Tam KF, Chiu KH, **Kumta SM**, Chung KY.

Computer Navigation In Revision Total Hip Arthroplasty: A Case Report.

Poster presentation in the 29<sup>th</sup> Annual Congress of the Hong Kong Orthopaedics Association in Hong Kong on 28-29 November 2009. (Poster 23, P.139)

26. Tse LF, Wong KC, **Kumta SM**, Ng WK, Lee KS.

Navigation Endoscopic-assisted Tumour Surgery: a Minimally Invasive Approach for Benign Bone Tumours in Extremities.

Paper presentation in the 29<sup>th</sup> Annual Congress of the Hong Kong Orthopaedics Association in Hong Kong on 28-29 November 2009. (7.13, P-98)

27. Wong KC, Tse LF, **Kumta SM**, Ng Eric, Lee KS.

Navigation Endoscopic-assisted Tumor (NEAT) Surgery in Benign Bone Tumors: Early Experience of a Novel Technique.

Poster presentation in the International Symposium of Limb Salvage (ISOLS) and Musculoskeletal Tumor Society Meeting, Boston, USA on September 23-26, 2009.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

28. Wong KC, **Kumta SM**, Tse LF, Chiu KH, Cheung KW.  
Prosthetic revision in patients with Stiff and Shortened Legs after Failed Biological Reconstruction of Limb Salvage Surgery.  
Poster presentation in the International Symposium of Limb Salvage (ISOLS) and Musculoskeletal Tumor Society Meeting, Boston, USA on September 23-26, 2009.
29. Xie XH, Zhang G; He YX, Sheng H, Wang XH, **Kumta SM**, Lau Carol, Qin L.  
The Growth Properties of Adipose-tissue Derived Stem Cells Seeded on Scaffold Biomaterials Composed of PLGA/TCP/P-chitosan.  
Paper presented in the Third International Congress of Chinese Orthopaedic Association, held in China on 13-16 November 2008.
30. KC Wong, **SM Kumta**, LF Tse, E Ng, KS Lee, P Unwin.  
Computer Assisted Tumor Surgery (CATS) Can Achieve Precision Fit of Computer Aided Design (CAD) Tumor Prostheses.  
Paper Presented in the 7<sup>th</sup> APMSTS in Beijing, China on September 25-28, 2008.
31. KC Wong, **SM Kumta**, LF Tse, E Ng, KS Lee.  
Precision Tumor Resection and Reconstruction by Image Guided Navigation: Computer-assisted Tumor Surgery (CATS).  
Paper Presented in the 7<sup>th</sup> APMSTS in Beijing, China on September 25-28, 2008.
32. YO Lau, KC Wong, **SM Kumta**. Clinical Outcomes and Treatments of Liposarcomas (local experience in Hong Kong Population).  
Poster presented in the 7<sup>th</sup> APMSTS in Beijing, China on September 25-28, 2008. (P1.65)
33. KC Wong, **SM Kumta**, LF Tse, E Ng, KS Lee.  
Image Fusion for Computer-Assisted Surgery in Musculoskeletal Tumors.  
Poster presented in the 7<sup>th</sup> APMSTS in Beijing, China on September 25-28, 2008. (P1.36)
34. KC Wong, **SM Kumta**, LF Tse, KH Chiu, KW Cheung.  
Salvaging Limb Salvage: Tumor Prosthetic Revision can Improve Function in Patients with Stiff Joints and Shortened Legs Following Failed Biological Reconstruction. Poster presented in the 7<sup>th</sup> APMSTS in Beijing, China on September 25-28, 2008. (P1.33)
35. KC Wong, **SM Kumta**, GE Antonio, WK Ng, KS Lee, LF Tse. Computer Assisted Tumor Surgery (CATS): New Application in CAOS.  
Paper presented in the 8<sup>th</sup> Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery in Hong Kong on June 4-7, 2008. (The Award for the Best Clinical Paper Presentation)
36. Wong KC, **Kumta SM**, Ng WK, Lee KS, Unwin P and Tse LF.  
How Does Computer Assisted Tumor Surgery (CATS) Affect Computer Aided Design / Computer Aided Modeling (CAD/CAM) in Tumor Prosthesis? A Preliminary Report.  
Paper presented in the 8<sup>th</sup> Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery in Hong Kong on June 4-7, 2008.
37. Burd DAR, Yu S, Lau YWJ, **Kumta SM**.  
Vascular Lesion Clinic – Hong Kong.  
Paper presented in the Royal Australasian College of Surgeons and the College of Surgeons of Hong Kong, Conjoint Annual Scientific Congress, Organized by the Royal Australian College of Surgeons at Cariton, Australia on 13 May 2008. (p. A98)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

38. Critchley LAH; **Kumta SM**, Wong J.  
Education in Anaesthesia Formative Assessment Case Studies on a Two Week Final MBBS Anaesthesia Module.  
14<sup>th</sup> World Congress of Anaesthesiologists, Held on March 2008 at Cape Town, South Africa.
39. Kumta SM.  
Advances in Surgery of the Brachial Plexus, and Surgery of the Lumbar Plexus. Paper presented in the "Computer Aided Planning of Bone Tumor Surgery for Microsurgery Update on 28<sup>th</sup> November 2007 held at the Bombay Hospital, India.
40. Wong KC, **Kumta SM**, Chiu KH, Cheung KW, Antonio GE, Unwin P, Tse LF. Computer-assisted Surgery in Musculoskeletal Bone Tumour: Is it Feasible? Paper presented in the 27<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, held in Hong Kong on 17-18 November 2007. (p.20) (AR Hodgson paper Award)
41. Lau YYO, Wong KC, **Kumta SM**.  
Clinical Outcomes and Treatments of Liposarcomas (Local Experience in Hong Kong Population). Paper presented in the 27<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, held in Hong Kong on 17-18 November 2007. (p.87)
42. Wong KC, **Kumta SM**, Antonio GE, Tse LF. Musculoskeletal Tumour Surgical Planning and Simulation in a Stereoscopic Three-dimensional Virtual Reality Environment. Poster presented in the 27<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, held in Hong Kong on 17-18 November 2007. (p.109) (Best Poster award)
43. Wong K, **Kumta S**, Cheung K, Chiu K, Tse L.  
Prosthetic Revision in Patients with Stiff and Shortened Legs after failed Biological Reconstruction of Limb Salvage Surgery.  
Paper presented in the 14<sup>th</sup> International Symposium on Limb Salvage held in Hamburg, Germany on 11-4, September 2007.(p.32)
44. Wong K, **Kumta S**, Antonio G, Griffith J, Tse L.  
Musculoskeletal Tumor Surgical Planning and simulation in a Stereoscopic Three-dimensional Virtual Reality Environment.  
Poster presented in the 14<sup>th</sup> International Symposium on Limb Salvage held in Hamburg, Germany on 11-4, September 2007.(p.42)
45. Wong K, **Kumta S**, Chiu K, Cheung K, Unwin P, Wong C, Tse L, Ng W, Lee K.  
Precision Bone Tumor Resection and Reconstruction Using Image Guided Computer Navigation. Poster presented in the 14<sup>th</sup> International Symposium on Limb Salvage held in Hamburg, Germany on 11-4, September 2007. (p.42) **2<sup>nd</sup> poster prize**
46. **Kumta S**, Wong K, Tse LF, Chow L, Antonio G.  
Limb Salvage in Low Grade Tumors of the Skeleton: Margins Local Recurrence and Outcomes. Poster presented in the 14<sup>th</sup> International Symposium on Limb Salvage held in Hamburg, Germany on 11-4, September 2007. (p.49)
47. Tse L, Wong K, **Kumta S**, Chow T, Siu Y, Antonio G, Antonio G, Griffith J. Image-guided closed tissue biopsy is an accurate and safe diagnostic utility for musculoskeletal tumors. Poster presented in the 14<sup>th</sup> International Symposium on Limb Salvage held in Hamburg, Germany on 11-4, September 2007. (p.52)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

48. **S Kumta**, KC Wong.

Computer Assisted Tumor Surgery Achieving Precision and Reliability in Resection & Reconstruction. Paper presented in the Shanghai International Congress on Orthopaedics 2007 held on August 24-26, 2007 at Shanghai, China.

49. **Shekhar Kumta**, Wong KC.

Aggressive Surgery for Palliative Applications in Patients with Regionally Advanced Tumors. Paper presented in the Shanghai International Congress on Orthopaedics 2007 held on August 24-26, 2007 at Shanghai, China.

50. Burd Andrew, Wong KC, **Kumta SM**.

Aggressive Palliative Surgery for Regionally Advanced Girdle Tumours. Paper presented in the British Association of Plastic Reconstructive and Aesthetic Surgeons – Summer Meeting 2007, organized by British Association of Plastic Reconstructive and Aesthetic Surgeons, Deauville, France on 5 July 2007 (pp.45)

51. Wong KC, **Kumta SM**, Leung KS, Unwin P; Cheung KW; Ng WK, Lee KS.

Computer assisted surgery in musculoskeletal bone tumor using CT based navigation spine system.

Paper presented in the 7<sup>th</sup> Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery held in Heidelberg, Germany on 20-23 June 2007. (P.218-221)

52. Wong KC, **Kumta SM**, Griffith JF, Leung KS, Ng WK, Lee KS, Cheung KW.

Computer assisted core decompression of early hip osteonecrosis by using fusion images from Iso-C 3D fluoroscopy and preoperative MRI and navigated endoscopic analysis of bone core tract.

Poster presented in the 7<sup>th</sup> Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery held in Heidelberg, Germany on 20-23 June 2007. (p.533-535)

53. Wong KC, **Kumta SM**, Antonio GE, Griffith JF, Leung KS.

Musculoskeletal tumor surgical planning and simulation in a stereoscopic three-dimensional virtual reality environment.

Poster presented in the 7<sup>th</sup> Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery held in Heidelberg, Germany on 20-23 June 2007. (p.,726-728)

54. **Kumta S**.

Surgical Treatment of Metastases to the Pelvis.

Paper presented at the “2007 Symposium on Surgical & Multidisciplinary Treatment for Bone Metastatic Tumor held in Beijing, China on June 16-17, 2007.

55. **Kumta S**.

Bisphosphonates and Metastatic Bone Tumors.

Paper presented at the “2007 Symposium on Surgical & Multidisciplinary Treatment for Bone Metastatic Tumor held in Beijing, China on June 16-17, 2007.

56. Paunipagar BK, Griffith JF, Antonio G, Chow LTC, Kumta SM, Ahuja AT.

Sonographic Features of Subfascial Lipomas.

Paper presented I the 60<sup>th</sup> Annual Congress Indian Radiological & Imaging Association in Mumbai, India on 2007.01.04.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

57. Lau YO, Wong KC, **Kumta SM**.

The Treatment of Impending and Existing Pathological Femoral Fractures Using Long Gamma Nail.

Paper presented in the 26<sup>th</sup> Annual Congress of the HKOA held in Hong Kong on November 11-12, 2006. (P.38)

58. **Kumta S**.

Tumor Tissue Bank.

Paper presented on the Clinical Applications of Bone Allografts in Paediatric Patients at the 11<sup>th</sup> International Conference of the Asia Pacific Association of Surgical Tissue Banks (APASTB) held at the Tata Memorial Hospital, Mumbai, India on 24-26 November 2006.

59. **Kumta S**.

Pitfalls in Diagnosis of Musculoskeletal Tumors.

Paper presented in the 57<sup>th</sup> Philippine Orthopaedic Association, Inc held at Mandaluyong City, Philippines on 20-24 November 2006.

60. **Kumta S**.

Role of Bisphosphonates in GCT.

Paper presented in the 57<sup>th</sup> Philippine Orthopaedic Association, Inc held at Mandaluyong City, Philippines on 20-24 November 2006.

61. **Kumta SM**.

Actuality and Problems in Treatment of Bone Tumors on Pelvis.

Paper presented in the First International Congress of Chinese Orthopaedic Association held in Beijing, China on 12-15 November 2006.

62. Wong KC, **Kumta SM**, Chiu KH, Cheung KW, Leung KS, Unwin P, Wong IR, Ng WK, Lee KS.

Computer-aided Musculoskeletal Tumour Surgery: Innovative Adaptation Using Existing Navigation Platforms and Its Validation in Pelvis and Extremity Tumours. Paper presented in the 26<sup>th</sup> Annual Congress of the HKOA held in Hong Kong on November 11-12, 2006. (P.51)

63. Ng PC, Chand S, Lio JVH, Lin H, **Kumta SM**. Protein Prenylation and Its Inhibition:

Applications in Musculoskeletal Tumours.

Paper presented in the 26<sup>th</sup> Annual Congress of the HKOA held in Hong Kong on November 11-12, 2006. (P.95)

64. NG PC, Lio JVH, Huang L, Kumta SM.

The Significance of Molecular Markers in Giant Cell Tumour of Bone

Paper presented in the 26<sup>th</sup> Annual Congress of the HKOA held in Hong Kong on November 11-12, 2006.

65. Chow CS, Wong KC, **Kumta SM**.

Reconstruction of the Proximal Femur Following Tumour Resection in Paediatric Patients: Long-Term Follow-up.

Paper presented in the 26<sup>th</sup> Annual Congress of the HKOA held in Hong Kong on November 11-12, 2006. (P.57)

66. **Kumta SM**.

Current Challenge in Practical Wound Healing (The Medical Perspective).

Paper presented in the 1<sup>st</sup> Hong Kong Wound Healing Symposium held in Prince of Wales Hospital, Hong Kong on 21-22 April 2006.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

### 67. Kumta SM.

Malignant Primary Bone Tumors: Management Philosophy Current Concepts and Recent Trends.

Paper presented in the 1<sup>st</sup> Macau International Orthopaedic Forum and Open Ceremony of the Macau Orthopaedic Association in Macau on 1 April 2006.

### 68. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Tse LF.

A New Technique of Preserving Knee Extensor Apparatus in Extraarticular Resection of Distal Femoral Tumor with Intraarticular Involvement.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.68)

### 69. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Tse LF.

Is modular Tumor Endoprosthesis Fitting Well in Chinese Patients With Small Body Built?

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.93)

### 70. SM Kumta, KC Wong, Ganesh G.

Design Considerations for Pelvic Prosthesis.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.95)

### 71. SM Kumta, KC Wong, A Burd, Peter Pang.

Planning for Pelvic Tumors.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.116)

### 72. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Tse LF. Custom-made Joint Sparing Endoprosthesis in Extremity Bone Sarcoma: An Early Report of Five Cases.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.148)

### 73. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LT, Tse LF.

Use of Massive Endoprosthesis in Revision of Failed Biological Reconstruction After Limb Salvage Surgery of Primary Bone Sarcoma.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.149)

### 74. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Wong A, Chan W, Ho Y.

Pelvic Prosthetic Reconstruction of Peri-acetabular Bone Defect: A Report of Four Cases. Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.161)

### 75. Tse LF, Wong KC, Huang L, Zheng MH, Kumta N, Kumta SM. Bisphosphonates Reduce Recurrence in Giant Cell Tumor of Bone.

Paper presented on the 6<sup>th</sup> Meeting of Asia Pacific Musculoskeletal Tumour Society Meeting in Chiang Mai, Thailand on January 18-20, 2006. (p.186)

### 76. Kumta SM.

New Advances of Bone Tumor Treatment in Hong Kong. Paper presented in the New Evolvement Seminar of Orthopaedics in 2006 held in Beijing, China on 14-15 Jan 2006.

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

### 77. Kumta SM.

Surgical Treatment for Bone Tumor.

Paper presented in the 50<sup>th</sup> Anniversary of Beijing Ji Shui Tan Hospital Meeting held in Beijing, China on 14 Jan 2006.

### 78. Tse LF, Wong KC, Huang L, Zheng MH, Kumta N, Kumta SM.

Bisphosphonates Reduce Recurrence in Giant-cell Tumour of Bone.

Paper presentation on the 25<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association on 19-20 November 2005, p25.

### 79. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Tse LF.

Use of Massive Endoprosthesis in Revision of Failed Biological Reconstruction after Limb Salvage Surgery of Primary Bone Sarcoma.

Paper presentation on the 25<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association on 19-20 November 2005, p57.

### 80. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Wong A, Chan W.

Prosthetic Reconstruction of Periacetabular Bone Defect: a Report of 3 Cases.

Paper presentation on the 25<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association on 19-20 November 2005, p99.

### 81. Wong KC, Kumta SM, Chiu KH, Cheung KW, Griffith JF, Chow LTC, Tse LF.

Is Modular Tumour Endoprosthesis Fitting Well in Chinese Patients With a Small Body Build?

Paper presentation on the 25<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association on 19-20 November 2005, p100.

### 82. Tse LF, Wong KC, Kumta SM, Chow LTC, Antonio G.

Fibrosarcoma of Proximal Femur: Case Report of a Rare Malignant Bone Tumour Presented as Common Geriatric Hip Pain. Paper presentation on the 25<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association on 19-20 November 2005, p100.

### 83. S Kumta, KC Wong, A Burd, P Pang, T Tse.

Aggressive Surgery for Palliative Applications in Patients with Regionally Advanced Malignancy Around the Pelvis and Shoulder Girdle.

Presented at the 13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (p.55)

### 84. LF Tse, KC Wong, MH Zheng, L Huang N Kumta, S Kumta.

Bisphosphonates Reduce the Recurrence in Giant Cell Tumor of Bone. Paper presentation on the 13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (p.86)

### 85. KC Wong, S Kumta, KH Chiu, KW Cheung, J Griffith, L Chow, T Tse.

Use of Massive Endoprosthesis in Revision of Failed Biological Reconstruction After Limb Salvage Surgery of Primary Bone Sarcoma.

13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (p.129)

### 86. S Kumta, K Wong, L Huang, N Kumta, MH Zheng, P Leung.

Studies to Support the Use of Adjuvants in GCT of Bone.

13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (p.203)



# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

87. KC Wong, **S Kumta**, KH Chiu, KW Cheung, J Griffith, L Chow, T Tse.  
Saddle Prosthetic Replacement After Periacetabular Tumor Resection: How to make the Supraacetabular Osteotomy? What Range Can The Saddle Joint Allow? A case Report with Investigation in a Sawbone Model.  
Poster presentation on the 13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (p. 290)
88. KC Wong, **S Kumta**, KH Chiu, KW Cheung, J Griffith, L Chow, T Tse.  
Is Modular Tumor Endoprosthesis Fitting Well in Chinese Patients With Small Body Built?  
Poster presentation on the 13<sup>th</sup> International Symposium on Limb Salvage in Seoul, Korea on September 7~10, 2005. (P.300)
89. **Kumta SM**, Wong KC, Fu LK, Cheng PL.  
Allograft Failure Modes.  
Paper presentation on the 10<sup>th</sup> International Conference, Asia Pacific Association of Surgical Tissue Banking in Hong Kong on Dec 6-8, 2004 pp.74.
90. Fu LLK, Cheng JCY, Ng BKW, **Kumta SM**, Lam TP.  
Allograft used in Posterior Spinal Fusion Surgery for 116 scoliosis patients.  
Paper presentation on the 10<sup>th</sup> International Conference, Asia Pacific Association of Surgical Tissue Banking in Hong Kong on Dec 6-8, 2004, pp.30.
91. **Kumta SM**, Huang L, Wong KC, Cheng PL.  
Hyaluronans as Graft Extenders.  
Paper presentation on the 10<sup>th</sup> International Conference, Asia Pacific Association of Surgical Tissue Banking in Hong Kong on Dec 6-8, 2004, pp.12.
92. Wu K, Wen SF, Huang L, **Kumta SM**.  
In Vitro Effect of a Traditional Chinese Medicine Formula-Bying on Breast Cancer Cell Line 4T1 for Prevention of Bone Metastasis. Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. (S77, Vol. 8 Supplement, 2004)
93. Tse LF, Wong KC, Chow TC, **Kumta SM**.  
Malignant Melanoma in Hong Kong Chinese – 16 years' Experience.  
Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. (S51, Vol. 8 Supplement, 2004)
94. Wong KC, **Kumta SM**, Chiu KH, Cheung KW, Griffith JF, Chow TC.  
Custom Made Versus Modular Tumor Endoprosthesis for Musculoskeletal Tumor Reconstruction – An Initial Comparison.  
Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. (S.50, Vol. 8 Suppl, 2004)
95. Wong KC, **Kumta SM**, Chiu KH, Cheung KW.  
Technical Consideration for Saddle Prosthetic Reconstruction after Periacetabular Tumor Resection – A Case Report and an Anatomical Study in a Sawbone Model. Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. (p.83, Vol. 8 Supplement, 2004)
96. Huang L, Li K, Lee KM, Xu J, Zheng MH, **Kumta SM**.  
Synergism of Bisphosphonates and Prenyl Trnsferase Inhibitors in Induction of Apoptosis of the Stromal Tumor Cells of Giant Cell Tumor of Bone.  
Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. Poster #20 (S84, Vol. 8 Suppl, 2004) **(Best Poster Award)**

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

97. Huang L, Kumta NH, Xu J, Zheng MH, **Kumta SM**.  
Mutation Screening of The Ubiquitin-Associated Domain of P62/A170 Gene in Giant Cell Tumor of Bone.  
Poster presentation of the 24<sup>th</sup> Annual Congress of the HK Orthopaedics Association held on Nov 11, 2004 in Hong Kong. Poster #19 (S84, Vol. 8 Suppl, 2004)
98. Huang L, Xu J, Cheng YY, Zheng MH, **Kumta SM**.  
Thapsigargin Potentiates TRAIL-induced Apoptosis in Giant Cell Tumour of Bone. Poster presentation of the 50<sup>th</sup> Annual Meeting of the Orthopaedic Research Society on March 7-10, 2004. (Poster #957)
99. Huang L, Xu J, Cheng YY, Zheng MH, **Kumta SM**.  
Thapsigargin Potentiates TRAIL-induced Apoptosis in Giant Cell Tumour of Bone. Paper presentation of the 23<sup>rd</sup> of Hong Kong Orthopaedic Association Annual Congress on 8-9 November 2003, S17. (Vol 7 Supplement, Nov 2003)
100. **Kumta SM**, Teng XY, Huang L, Wang LT.  
In Vivo and In Vitro Study of the Effect of a Traditional Chinese Medicine Formula on Postmenopausal Osteoporosis Rat Model.  
Poster presentation on Transactions of the 49<sup>th</sup> Annual Meeting Volume 28 Orthopaedic Research Society on February 2-5, 2003. (Poster#1045)
101. Teng XY, Huang L, **Kumta SM**, Wang LT.  
The effect of a traditional Chinese medicine formula on postmenopausal osteoporosis in a rat model.  
Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S11. (Vol. 6 Supplement, November 2002)
102. Huang L, Teng XY, Cheng YY, Lee KM, **Kumta SM**.  
Preosteoblast nature of stromal tumor cells in giant cell tumor of bone --- frequent activity for early osteoblast markers and expression of Cbfa-1 and Osterix gene transcripts.  
Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S28. (Vol. 6 Supplement, November 2002)
103. Cheng YY, Huang L, Lee KM, Li KHK, **Kumta SM**.  
Bisphosphonates induce apoptosis of stromal cell in giant cell tumor of bone. Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S28. (Vol. 6 Supplement, November 2002)
104. **Kumta SM**, Akol JVM, Leung PC, Ho CL.  
Reconstruction with vascularised bone grafts for aggressive benign bone tumours of the proximal humerus.  
Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S41. (Vol. 6 Supplement, Nov. 2002)
105. **Kumta SM**, Akol JVM, Leung PC.  
Vascularised iliac crest graft for juxta-articular tumours of the proximal femur. Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S42. (Vol. 6 Supplement, November 2002)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

106. Cheng YY, Huang L, Lee KM, Lai FM, Tam JSK, **Kumta SM**.  
A study of the morphological changes in osteoclast-like giant cells following bisphosphonates treatment.  
Abstracts of The 22<sup>nd</sup> Hong Kong Orthopaedic Association Annual Congress on November 15-17, S91. (Vol. 6 Supplement, November 2002)
107. Cheng YY, Huang L, Lai FM, Zheng MH, **Kumta SM**.  
Bisphosphonate Induce Apoptosis in Stromal Tumor Cells of Giant Cell Tumor of Bone.  
Abstracts of the 24<sup>th</sup> Annual Meeting of the American Society for Bone and Mineral Research on September 20-24, 2002. (SA076).
108. **Kumta SM**, Fu L, Akol J, Leung PC.  
Tissue Banking in Hong Kong: Prospects & Limitations. Proceeding of the 26<sup>th</sup> Annual Meeting of American Association of Tissue Banks on Aug 23-27, 2002 (Proceeding P.109)
109. Fu LLK, Cheng JCY, Ng BKW, **Kumta SM**, Lam TP.  
The Use of Allograft in Posterior Spinal Fusion in Scoliosis Surgery.  
Proceeding of the 26<sup>th</sup> Annual Meeting of American Association of Tissue Banks on Aug 23-27, 2002 (Proceeding P.91)
110. **SM Kumta**, Lin Huang, YY Cheng, MH Zheng.  
Expression of Rankl in Giant Cell Tumor of Bone and Other Osteolytic Lesions: A Paradigm That Explains the molecular Basis of Tumor Osteolysis.  
Proceeding of the SICOT/SIROT 2002 XXII World Congress, San Diego, California, USA on August 23-30, 2002. (Proceeding P.85-030-G)
111. Cheng YY, Huang Lin, Koo PPL, Cheng CY, Qin L, **Kumta SM**.  
Low Molecular Weight Hyaluronans Induce Bone Colony Formation in Rat Mesenchymal Cell Cultures.  
Proceedings of GRIBOI 2002 (12<sup>th</sup> Interdisciplinary Research Conference on Biomaterials) p.66. Shanghai, China: East China University of Science and Technology, China, 2002.3.14.
112. **Kumta SM**, Nicola Maffulli.  
Local Flap Coverage for Soft-Tissue Defects Following Open Repair of Achilles Tendon Rupture.  
Proceeding of the American Academy of Orthopaedic Surgeons 69<sup>th</sup> Annual Meeting, February 13-17, 2002.
113. Huang L, Xu JK, Zheng MH, **Kumta SM**.  
Identification of new candidate genes in giant cell tumour of bone. Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11, pp.75 (Vol. 5 Suppl, Nov 2001)
114. Huang L, Cheng YY, Chow LTC, Zheng MH, **Kumta SM**.  
Expression of receptor activator of NF- $\kappa$ B Ligand in chondroblastoma – possible involvement in tumour cell-induced osteolytic bone destruction.  
Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11, pp.74 (Vol. 5 Supplement, November 2001)
115. Cheng YY, Huang L, **Kumta SM**.  
Alendronate regulates cell migration and matrix metalloproteinase-2 secretion in human osteosarcoma cell lines.  
Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11, pp.38. (Vol. 5 Supplement, November 2001)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

116. Quintos A, **Kumta SM**, Chow TC, Griffith JF, Cheng JCY.  
Common and uncommon presentations of exostosis.  
Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11,  
pp.77 (Vol. 5 Supplement, November 2001)
117. **Kumta SM**, Quintos A, Griffith JF, Chow LTC.  
Outcome following surgery for nerve sheath tumours in the lower limb.  
Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11,  
pp.76 (Vol. 5 Supplement, November 2001)
118. Huang L, Cheng YY, Chow LTC, Zheng MH, **Kumta SM**.  
Expression of receptor activator of NF- $\kappa$ B ligand in bone metastatic tumours.  
Abstracts of The 21<sup>st</sup> Hong Kong Orthopaedic Association Annual Congress on November 10-11,  
pp.75 (Vol. 5 Supplement, November 2001)
119. Cheng YY, Huang L, **Kumta SM**.  
Alendronate regulates cell migration and MMP-2 Secretion in human osteosarcoma cell lines.  
Proceeding of the 7<sup>th</sup> Annual Scientific Meeting, organized by Australian & New Zealand  
Orthopaedic Research Society.8pgs. Australia, 2001.10.5.
120. Griffith JF, **Kumta SM**, Li CK, Choi PHK, Chow Louis TC, Leung PC, Metreweli C.  
Effect of Osteosarcoma on Regional and Systemic Blood Flow.  
Proceeding of the Royal Australian and New Zealand College of Radiologists Annual Scientific  
Meeting. October 27-30, 2000.
121. **Kumta SM**, Fu LK, Griffith JW, Chow LTC, Leung PC.  
Allografts for Proximal Femoral reconstruction.  
Proceeding of the 8<sup>th</sup> International Conference on Tissue Banking. October 22-24, 2000.  
(Proceeding P.58)
122. Griffith JF, **Kumta SM**, Ho SY, Li CK, Leung T, Choi P, Chow LTC, Leung PC, Metreweli C.  
Effect of osteosarcoma on systemic blood flow. Proceeding of the Radiology 2000 – Imaging,  
Oncology & Science. May 22-24, 2000.
123. **Kumta SM**, Zhu QS, Li M, Leung PC, Dong H.  
Anti-angiogenic effects of novel extracts from the herb amomum Tsao-ko.  
Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.  
May 3-4, 2000. (Poster #3)
124. Chik KW, Li CK, **Kumta SM**, Shing MMK, Yuen PMP. Treatment of childhood osteosarcoma  
in Hong Kong.  
Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.  
May 3-4, 2000. (Proceeding P.8)
125. **Kumta SM**, Li CK, Griffith J, Leung PC, Fu LK.  
Juxta Epiphyseal Resections in Children.  
Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.  
May 3-4, 2000. (Proceeding P.13)
126. **Kumta SM**, Chow LTC, Griffith JF, Leung PC.  
Unusual Variants of Osteosarcoma.  
Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.  
May 3-4, 2000. (Proceeding P.22)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

127. Qiu Jushi, Zhu Quansheng, Wang Liantang, Li Yang, Huang Lin, Chen Ping Sheng, Tian Wei, Liu Wei, Zhang Jing, Zhang Meng, **Kumta SM**.

Molecular Cytogenetics of bone tumors.

Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.

May 3-4, 2000. (Proceeding Poster 36)

128. Zhu QS, Qiu JS, **Kumta SM**.

Exogeneous Wild-type p53 Plasmid Transfected into Osteosarcoma Cell Line to Induce Growth Inhibition.

Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.

May 3-4, 2000. (Proceeding Poster 39)

129. **Kumta SM**, Wong KC, Griffith JF, Leung PC.

Difficulties in Achieving Optimum Resection Margins for Extremity Soft Tissue Sarcomas.

Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.

May 3-4, 2000. (Proceeding P.42)

130. Fu LK, **Kumta SM**, Leung PC.

Optimizing Allograft Reconstruction in Children & Adults.

Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.

May 3-4, 2000. (Proceeding P.53)

131. Wong KC, **Kumta SM**, Leung PC.

Flexible Intramedullary Fixation of Pathological Humeral Fracture. Proceeding of the 3<sup>rd</sup>

Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong. May 3-4, 2000.

(Proceeding P.72)

132. **Kumta SM**, Zhu QS, Lee KM, Griffith JF, Chow TC, Leung PC.

Clinical significance of P-glycoprotein immunohistochemistry and doxorubicin binding assay in osteosarcoma patients.

Proceeding of the 3<sup>rd</sup> Meeting of the Asia Pacific Musculoskeletal Tumor Society, Hong Kong.

May 3-4, 2000. (Proceeding P.80)

133. **Kumta SM**, Chow LTC, J Griffith, Leung PC, Lo WN.

Exostoses that present in an unusual way.

Proceeding of the 30<sup>th</sup> Annual General Meeting & Annual Scientific Meeting, Malaysia. April 21-

23, 2000. (Proceeding, P36)

134. **Kumta SM**, Cheng JCY, Li CK, JF Griffith, Chow LTC, Leung PC. The Scope and Limitations of

Limb Sparing Surgery in Childhood Sarcomas. Proceeding of the 30<sup>th</sup> Annual General Meeting &

Annual Scientific Meeting, Malaysia. April 21-23, 2000. (Proceeding, P34)

135. **Kumta SM**, J Cheng, Li CK, Griffith J.

The Scope and Limitations of Limb Sparing Surgery in Childhood Sarcomas.

Proceeding of the 19<sup>th</sup> Annual Congress of the HKOA Hong Kong on 13-14 November 1999.

(Proceeding P.33-34)

136. **Kumta SM**, Cheng J, Li CK, Griffith J.

The scope and Limitations of limb sparing surgery in childhood sarcoma.

Proceeding of the 4<sup>th</sup> Combined Meeting of Spinal and Paediatric Sections of WPOA

Thailand. 20-23 October, 1999. (Proceeding, P.221)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

137. **Kumta SM**, Cheng CYJ, Li CK, Griffith J.  
Osteosarcoma Resection is guided by an MRI classification.  
Proceeding of the 4<sup>th</sup> Combined Meeting of Spinal and Paediatric Sections of WPOA Thailand.  
20-23 October, 1999. (Proceeding, P.222)
138. Leung PC, **Kumta SM**, Fu LK, Liu PL.  
A technique to Enhance Allograft – Host Bone Union.  
Proceedings of the 10<sup>th</sup> International Symposium on Limb Salvage, Cairns, Australia, 11-14 April  
1999 (Proceeding, P. 23)
139. **Kumta SM**, Leung PC, Chow TC, Kew J.  
Biological Reconstruction for Locally Aggressive Lesions Affecting the Proximal Femur.  
Proceedings of the 10<sup>th</sup> International Symposium on Limb Salvage, Cairns, Australia, 11-14 April  
1999  
(Proceeding, P. 37-38)
140. Kew J, **Kumta SM**, Griffith JF, Meterweli C, Leung PC.  
Magnetic Susceptibility Artefacts Found in –Vitro Bone Allografts.  
Proceedings of the 10<sup>th</sup> International Symposium on Limb Salvage, Cairns, Australia, 11-14 April  
1999 (Proceeding, P. 115)
141. Griffith JF, Roebuck DJ, **Kumta SM**, Leung PC, Metreweli C.  
Imaging Complications of Allograft Bone Reconstruction.  
Proceedings of the 49<sup>th</sup> Annual Scientific Meeting of the Royal Australasian College of  
Radiologists. 16-18 October 1998. (Proceedings, P184)
142. **Kumta SM**, Griffith JF, Chow LTC, Leung PC.  
Juxtacortical Chondrosarcoma Masquerading as a Juxtacortical Chondroma and Involving the  
Medullary Canal. Proceedings of the 2<sup>nd</sup> Meeting of The Asia Pacific Musculoskeletal Tumor  
Society, Seoul, Korea. June 19-20, 1998 (Proceeding, P.81)
143. **Kumta SM**, Griffith JF, Chow LTC, Leung PC.  
Dedifferentiation of a Juxtacortical Chondrosarcoma after 20 years.  
Proceedings of the 2<sup>nd</sup> Meeting of The Asia Pacific Musculoskeletal Tumor Society, Seoul, Korea.  
June 19-20, 1998 (Proceeding, P.80)
144. Roebuck DJ, Griffith JF, **Kumta SM**, Leung PC, Metreweli C.  
Imaging Findings Following Allograft Reconstruction in Children with Malignant Bone Tumors.  
35<sup>th</sup> Congress of the European Society of Pediatric Radiology and 21<sup>st</sup> Post Graduate Course,  
Rhodes Greece. 18-23 May 1998. (Proceedings, P107)
145. Roebuck DJ, Griffith JF, **Kumta SM**, Leung PC, Metreweli C.  
Imaging Findings Following Limb Salvage Surgery with Allograft Reconstruction for Malignant  
Bone Tumors of Childhood.  
41<sup>st</sup> Annual Meeting of the Society for Pediatric Radiology, Arizona. May 7, 1998 (Proceeding,  
P55)
146. Fu LKL, **Kumta SM**, Leung PC, Chow TC.  
Musculoskeletal Tissue Banking Clinical & Research Applications.  
Proceedings of the 5<sup>th</sup> Congress of the Asian Society of Transplantation, Manila, Philippines.  
Dec. 4-7, 1997 (Proceeding, P.31)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

147. **Kumta SM**, Kew J, Fu LK, Leung PC.  
Massive Diaphyseal and Pelvic Bone Allograft for Skeletal Reconstruction. Proceedings of the 5<sup>th</sup> Congress of the Asian Society of Transplantation, Manila, Philippines. Dec. 4-7, 1997 (Proceeding, P.33)
148. **Kumta SM**, Kew J, Fu LK, Leung PC.  
Massive Diaphyseal and Pelvic Bone Allograft for Skeletal Reconstruction. Proceedings of the 5<sup>th</sup> Congress of the Asian Society of Transplantation, Manila, Philippines. Dec. 4-7, 1997 (Proceeding, P.33)
149. **Kumta SM**, Leung PC, Chow TC, Louis, Griffith J, Fu L.  
Biology and Biomechanics of Osteoarticular Allografts for Tumor Reconstruction. Proceedings of the 9<sup>th</sup> International Conference on Biomedical Engineering. Dec. 3-6, 1997, Singapore (Proceeding, P.102-105)
150. **Kumta SM**, Leung PC, Fu LK.  
The development of a Regional Musculoskeletal Tissue and Tumor Tissue Bank: An Audit Report. Proceedings of the 6<sup>th</sup> International Conference on Tissue Banking, Edinburgh, Scotland, United Kingdom, Nov. 28-31, 1997. (P.2)
151. **Kumta SM**, Fu LK, Leung PC, Chow TC.  
Analysis and Management of Diaphyseal Allograft Fractures.  
Proceedings of the 6<sup>th</sup> International Conference on Tissue Banking, Edinburgh, Scotland, United Kingdom, Nov. 28-31, 1997. (P.59)
152. **Kumta SM**, To SH, Choi P, Chow TC, Leung WT, Leung PC.  
Clinical Significance of the Adriamycin Binding Assay in patients Osteogenic Sarcoma.  
Proceedings of the 14<sup>th</sup> Asia Pacific Cancer Conference, Hong Kong. Nov. 16-19, 1997.(P.76.11)
153. **Kumta SM**, Kew J, Griffiths J, Leung PC.  
Juxta Physeal Tumours: MRI Classification helps plan appropriate resection & reconstruction.  
Proceedings of the 14<sup>th</sup> Asia Pacific Cancer Conference, Hong Kong. Nov 16-19, 1997. (P.21)
154. **Kumta SM**, Tong WC, Chow TC, Griffiths J, Kew J, Leung PC.  
Juxta-physeal resections in children with osteosarcoma.  
Proceedings of the 9<sup>th</sup> International symposium on Limb Salvage, New York, USA. Sept. 10-12, 1997.
155. Leung PC, **Kumta SM**, Yurianto H, Kew J, Griffiths J, Chow TC.  
Pelvic Tumors: Problems with resection and innovative techniques of reconstruction.  
Proceedings of the 9<sup>th</sup> International Symposium on Limb Salvage, New York, USA. Sept. 10-12, 1997.
156. Au SK, Leung KS, Fung KP, Fu LK, Lee KM, Leung PC, **Kumta SM**.  
Use of Bone-specific Alkaline Phosphatase in Monitoring of Osteosarcoma.  
Proceedings of the 2<sup>nd</sup> Osteosarcoma Research Conference, Bologna, Italy. Nov 19-21, 1996 (P. 38)
157. **Kumta SM**, Lee KM, Kwok L, Leung WT, Leung KS, Leung PC.  
Adriamycin Binding Assay: A test to determine the chemosensitivity of Osteosarcoma patients.  
Proceedings of the 2<sup>nd</sup> Osteosarcoma Research Conference, Bologna, Italy. Nov 19-21, 1996 (P. 114)

# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

158. **Kumta SM**, Yip K, Tseng HC, Cheng JCY, Leung PC.  
Massive Bone Allografts in Paediatric Patients. Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.62)
159. Liu PPL, **Kumta SM**, Leung KS.  
Use of Serum & Tissue Bone Specific Alkaline Phosphatase in Monitoring the Clinical Course of Osteosarcoma. Proceedings the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.46)
160. **Kumta SM**, Roy N, Lee KH, Leung KS, Leung PC.  
Revascularisation of Cryopreserved Allografts following Vascular Bundle Implantation: An Experimental Study.  
Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.44)
161. Stewart I, Davey I, **Kumta SM**, Ho KC, Leung PC, Metreweli C.  
Allograft Fate: Nuclear Medicine Evaluation and Appearances.  
Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.118)
162. Lin J, Yip K, Choi P, **Kumta SM**, Tao M, Leung T, Leung PC.  
Osteogenic Sarcoma: A Review of 80 Chinese Patients. Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.119)
163. **Kumta SM**, Tseng HC, Yip K, Leung PC.  
Joint Saving Reconstruction of the Proximal Humerus following Excision of a Giant Cell Tumor. An Innovative Technique. Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.127)
164. Yip K, Lin-Yip J, **Kumta SM**, Leung PC.  
Subcutaneous Verrucous Carcinoma Invading the Iliac Bone – A Case Report. Proceedings of the 13<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1993 (Proceedings, P.128)
165. **Kumta SM**, Hung LK, Leung KS, Leung PC.  
Biodegradable Implants: Experimental and Clinical Studies. Proceedings of the ISFR Symposium on Biodegradable Implants in Fracture Fixation, Hong Kong, September 1993 (Proceedings, P.42)
166. Lam TP, **Kumta SM**, Cheng JCY, Leung PC.  
Limb Salvage using Cryopreserved Allografts for Osteogenic Sarcoma in the Paediatric Age Group – A Preliminary Report.  
Proceedings of the International Seminar on Pediatric Orthopaedics, Taiwan, April 1993 (Proceedings, P55-6)
167. **Kumta SM**, Hung LK, Yip K, Leung KS, Leung PC.  
Primary Bone Tumors: A Review of Cases Presented at the Prince of Wales Hospital.  
Proceedings of the 10<sup>th</sup> Western Pacific Orthopaedic Association Meeting, Jakarta, Indonesia, Nov. 1992 (Proceedings, P.80)
168. **Kumta SM**, Yip K, Leung KS, Leung PC.  
Limb Salvage Surgery for Bone Tumors using Cryopreserved Allografts & Intramedullary Nailing.  
Proceedings of the International Symposium on Recent Advances in Locking Nails, Hong Kong, Sept. 1992 (Proceedings, P121)



# 11. RESEARCH RELATED PUBLICATIONS.

## 11.3 Conference & Proceedings

169. **Kumta SM**, Hung LK, Leung PC, Lam TP.  
Non-Operative Versus Operative Treatment of Scaphoid Fractures: A Clinical and Radiological Assessment.  
Proceedings of the International Hand Congress, Bangkok, Thailand, Nov. 1991 (Proceedings, P.36)
170. **Kumta SM**, Hung LK, Leung PC, Lam TP, Leung KS.  
Management of Scaphoid Fractures: A Clinical and Radiological Assessment & Review of Our Results.  
Proceedings of the 11<sup>th</sup> Annual Congress of the HKOA, Hong Kong, Nov. 1991 (Proceedings, P.51)
171. **Kumta SM**, Leung PC, Spinner R.  
Absorbable Intramedullary implants: An Experimental Study in Rabbits and a Clinical Study in Fractures of the Human Hand.  
Proceedings of the 5<sup>th</sup> International Congress of Hand Surgery – European Medical Bibliography, Paris, France. May 1991 (Proceedings, Vol. 1 suppl.)
172. **Kumta SM**, Leung PC, Chien P, Chan PS.  
Use of Bio-absorbable Implants in Hand Fractures.  
Proceedings of the Wilson T.S. Wang International Surgical Symposium, Hong Kong. Dec.1990 (Proceedings, P.77)
173. **Kumta SM**, Leung PC, Mak A, Wong TH.  
Degradation of Polyglycollic Acid Composites: An in-vivo Study in Rabbit Bone.  
Proceedings of the 10<sup>th</sup> Annual Congress of the Hong Kong Orthopaedic Association, Hong Kong, Nov. 1990 (Proceedings, P.36)
174. **Kumta SM**.  
Experience in the Management of Open & Crushed Pelvic Fractures – The Indian Experience.  
Proceedings of the 10<sup>th</sup> Annual Congress of the HKOA, Hong Kong, Nov. 1990 (Proceedings, P.65)
175. **Kumta SM**, Leung PC.  
Sacral Reconstruction after Tumor Resection.  
Proceedings of the 10<sup>th</sup> Annual Congress of the HKOA, HK, Nov. 1990 (Proceedings, P.32)

## 12. TEACHING RELATED PUBLICATIONS.

### 12.1 Journals

1. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Evidence of virtual patients as a facilitative learning tool on an anesthesia course.  
*Adv Health Sci Educ Theory Pract*. 2015 Oct;20(4):885-901.
2. Leung JYC, Kumta SM, Jin Y, Yung ALK.  
Short Review of the Flipped Classroom Approach.  
*Med Edu* 2014 Nov;48(11):1104-1132. (**ASME Henry Walton Prize 2015**)
3. Abraham A, Chow CW, So HK, Yip HK, Li MC, Kumta SM, Woo J, Chan Sm, Lau YY, Nelson EAS.  
Lifestyle Intervention Using an Intern-based Curriculum with Cell Phone Reminders for Obese Chinese Teens: A Randomized Controlled Study.  
*PLoS ONE* 2015 ;10 (5):e0125673, 16 pages.
4. Leung YCJ, Critchley LAH, Yung LKA, Kumta SM.  
Identifying the Value of Interactive E-learning through Responses from Final Year Medical Students.  
*Medical Education* 2011 Nov;45(Suppl 3):2.
5. **Kumta S**, Burd A, Lam TP, Yung A, Lo WM.  
Does Realism Add to Authenticity of Assessments in OSCE?  
*Medical Education* 2011 Oct;45(Suppl 3):3.  
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2923.2011.04089.x/pdf>
6. Joseph YC Leung, Lester AH Critchley, Alex LK Yung, **Kumta SM**.  
Introduction of virtual patients onto a final year anesthesia course: Hong Kong experience.  
*Advances in Medical Education and Practice* 2011 Feb;2;71-83.
7. **SM Kumta**, Ware J, Wong MWN.  
Teaching in the clinical environment: Guide supplement 34.3 – Practical Application  
*Medical Teacher* 2010;32(2):167-8.
8. Critchley LA, **Kumta SM**, Ware J, Wong JW.  
Web-based Formative Assessment Case Studies: role in a final year medicine two-week anaesthesia course.  
*Anaesthesia Intensive Care* 2009 Jul;37(4):637-45.
9. **Kumta SM**, Leung KS, Qin L, Hung LK, Wong MWN, Chan KM, Leung PC, Cheng CY.  
The development and reform of an undergraduate curriculum in orthopaedic surgery at the Chinese University of Hong Kong.  
*Chin J Orthop. Trauma* 2004 Jan;6(1):95-8.
10. **Kumta SM**, Tsang PL, Hung LK, Cheng JCY.  
Fostering Critical Thinking Skills Through a Web-based Tutorial Programme for Final Year Medical Students – A Randomized Controlled study. *J of Educational Multimedia and Hypermedia*. 2003;12(3):267-273.

# 12. TEACHING RELATED PUBLICATIONS.

## 12.2. Conference presentation (Oral)

1. Leung YCJ, **Kumta S**, Yung LKA, Jin Y.  
Testing The Level of Knowledge Transfer Via an Open-book Versus Closed-book Examination.  
Paper presentation in the 11<sup>th</sup> Asia Pacific Medical Education Conference (APMEC) held in Singapore on 15-19 Jan 2014.
  
2. Kumta SM.  
Formative Assessment Using A Technology Enhanced Approach.  
Paper presentation in the Frontier in Medical Sciences Education HKU 2013 – From Classroom to Clinic: Opportunities and Challenges in e-Learning held in HKU on 6-7 Dec 2013.
  
3. Kumta SM.  
Developing Leadership in Clinical Teaching.  
Paper presented in 2013 Joint Conference on the 7<sup>th</sup> East-West Alliance (EWA) Conference and the 14<sup>th</sup> Mainland-Taiwan-Hong Kong (MTH) Medical Education Conference, organized by East-west Alliance, held in Shantou University, China on 19-20 October, 2013
  
4. **Kumta SM**  
Challenges of and Opportunities for Surgical Training in Evolving Countries.  
Keynote lecture presented in the 2<sup>nd</sup> World Congress on Surgical Training, organized by Surgicon Foundation, held on 17-19 Jun 2013, Gothenburg Sweden.
  
5. **Kumta SM**, Chan SO.  
Helping Students to Develop a Better Understanding of Spatial Anatomy in the Context of Clinical and Radiographic Investigations.  
Paper presented in the 10<sup>th</sup> Asia Pacific Medical Education Conference (APMEC), organized by Medical Education Unit (MEU) NUS Yong Loo Lin School of Medicine, Singapore on 16-20 Jan 2013. (P.113)
  
6. Kumta SM.  
Empathy: The Distressed Patients and the Junior Doctor in Difficulty.  
Paper presented in 2012 East-west Alliance Conference, organized by East-west Alliance, held in China on 28 May 2012.
  
7. **Kumta SM**, Leung JYC, Yung ALK, Critchley LAH, Jin Y.  
AppMaster: the application that Facilitates Educators to move towards Mobile Education.  
Paper presentation in the 15<sup>th</sup> Ottawa Conference held in Malaysia on 9-13 Mar 2012.
  
8. Critchley L, Leung J, Yung ALK, **Kumta SM**.  
A Follow up Study to Reconfirm Findings that the Introduction of Virtual Patient Teaching Materials Can Improve Learning of a Topic by Final Year Medical Students on a Short Course.  
Paper presentation in the 9<sup>th</sup> Asia Pacific Medical Education Conference (APMEC) held in Singapore on 11-15 Jan 2012
  
9. Leung YCJ, Critchley LAH, Yung LKA, **Kumta SM**  
A Follow-up Study on the Learning Outcomes When Two Types of Virtual Patient is Used on a Two Weeks Clinical Anaesthesia Course.  
Paper presented in the Frontiers in Medical and Health Sciences Education – Holistic Approach in Medical and Health Sciences Education HKU 2011, organized by the Institute of Medical and Health Sciences Education, p.42 on 2 Dec 2011.

## 12. TEACHING RELATED PUBLICATIONS.

### 12.2. Conference presentation (Oral)

10. **Kumta SM**, Leung YCJ, Yung LKA, Critchley LAH, Jin Y.  
AppMaster: The Application that Turns Teaching Materials into a Mobile Application.  
Paper presented in the Frontiers in Medical and Health Sciences Education – Holistic Approach in Medical and Health Sciences Education HKU 2011, organized by the Institute of Medical and Health Sciences Education, p.69-70, on 2 Dec 2011.
11. Lam TP, **Kumta SM**, Cheng CYJ.  
An Innovative Web-based Platform for Enhancement of Outcome-based Learning in Orthopaedics.  
Paper presented in the 31<sup>st</sup> Annual Congress of the Hong Kong Orthopaedic Association, p. 89, Nov 2011.
12. Kumta SM.  
Designing Self study Learning Resources in Medical Education.  
Paper presentation in the 2011 East-West Alliance Conference held at Shantou University, China on 28-29 May 2011.
13. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Identifying the value of interactive E-Learning through responses from final year medical students  
Paper presentation in the 8<sup>th</sup> Asia Pacific Medical Education Conference (APMEC 2011) held on 26-30<sup>th</sup> January 2011 in Singapore.
14. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Analysis of e-Learning Tools for Final Year Medical Students at The Chinese University of Hong Kong.  
Paper presented in the Frontiers in Medical And Health Sciences Education 2010, HK on 10 Dec 2010. (p. 32-33)
15. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Identifying the Value of Interactive e-Learning Through Responses from Final Year Medical Students.  
Paper presented in the Frontiers in Medical And Health Sciences Education 2010, HK on 10 Dec 2010. (p34-35)
16. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Validation of Two elearning Exercises: FACS and VP in Medical Teaching.  
Paper presented in the Teaching and Learning Innovation Expo 2010, CUHK on 22 Oct 2010. (p.15-16)
17. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
An Insight on Final Year Medical Students' View on Interactive elearning.  
Paper presented in the Teaching and Learning Innovation Expo 2010, CUHK on 22 Oct 2010. (P.16)
18. Critchley LAH, LEUNG JYC, **Kumta SM**, Yung ALK.  
FACS An interactive Web-based Clinic Case Study Platform: Illustration of its Use on a Short Undergraduate Perioperative Medicine Course.  
Paper presented in the eLearning: AMEE 2010, on 4-5 Sept 2010, organized by University of Glasgow, United Kingdom, P.30, (2010-9)

## 12. TEACHING RELATED PUBLICATIONS.

### 12.2. Conference presentation (Oral)

19. Kumta SM.

Higher Cognitive Engagement Using Interactive Cases and Virtual Patients in Education.  
Paper presentation at the 2010 East West Alliance Meeting held on 3-4 June 2010 in University of Manitoba, Canada.

20. Leung YCJ, Critchley LAH, Yung LKA, **Kumta SM**.

A Comparison of Two Types of Virtual patient Used to Teach Perioperative Care to Final Year Medical Students: Interactive Case Studies Versus Story Line Scenario.  
Paper presented in the 7<sup>th</sup> Asia Pacific Medical Education Conference, Organized by National University of Singapore, 1 pgs, Singapore, 8 Feb. 2010.

21. Critchley LAH, Leung YCJ, Yung LKA, **Kumta SM**.

Student Opinion of a Virtual Patient Scenario on a 2-week Anaesthesia Course for Final Year Medical Students.  
Paper presented in the 7<sup>th</sup> Asia Pacific Medical Education Conference, organized by National University of Singapore, 1 pgs. Singapore, 2010.2

22. **Kumta S**, Yip G, Yu CM, Yung Alex.

Developing pattern recognition skills.  
Paper presentation at the AMEE 2009 Annual Conference, 29 August to 2 Sept 2009 in Malaga, Spain.

23. Critchley, L, Leung J, **Kumta S**, Yung A.

A perioperative medicine virtual patient.  
Paper presentation at the International Conference on Virtual Patients 2009 held on 5-6 June 2009 at the Krakow, Poland.

24. Kumta SM.

The Use of FACS to Train Medical Students to Develop Pattern Recognition  
As invited speaker to attend The 11<sup>th</sup> Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region hosted by Tianjin Medical University held on October 17-21, 2008 at Tianjin, China.

25. Critchley L, Wong JWY, **Kumta SM**, Ware J.

Evaluation of Formative Assessment Case Studies used to Teach Pre-operative Assessment on a Two Week Final Year Medicine Course.  
Proceeding of the 13<sup>th</sup> Ottawa International Conference on Clinical Competence held at Melbourne Australia on March 5-8, 2008. (p.396)

26. Critchley LAH, Wong Judy, **Kumta SM**.

Education in Anesthesia: Formative Assessment Case Studies on a Two Week Final MBBS Anaesthesia Module.  
Paper presented at the 14th World Congress of Anaesthesiology held at Cape Town, South Africa, 2-7 March 2008.

27. Kumta SM.

*Web-based Medical Case Simulations – What works and What does not the CUHK experience with FACS.*  
Paper presented at the 10<sup>th</sup> Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region in Taiwan on 14-20 September 2007.

## 12. TEACHING RELATED PUBLICATIONS.

### 12.2. Conference presentation (Oral)

28. J Ware, Carol Tse, **Kumta SM** and Cheng JCY.

*Impact of a web-based interactive self directed learning system on student outcomes and study style.*

Paper presented at the AMEE 2006 Conference held at Genova, Italy on September 14-18, 2006.

29. J Ware, **Kumta SM**, JY Cheng.

*Formative Assessment Case Studies (FACS), the value in the final year of student study.*

Paper presentation at the 12<sup>th</sup> International Ottawa Conference on Clinical Competence in New York, USA on May 20-24, 2006.

30. J Ware, **Kumta S**, JY Cheng.

*Formative Assessment Case Studies (FACS), Diagnostic and Support for Learning Modes.*

Paper presented at the 3<sup>rd</sup> Asia Pacific Medical Education Conference held in Singapore on Feb 18-21, 2006. p.77

31. **Kumta SM**, Ware J.

*Comparison of Integrated Musculo-skeletal Teaching and Traditional Study.*

Paper presentation on the 8<sup>th</sup> Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region held on 13-14 December 2005. p.73

32. Ware J, **Kumta SM**, Paul BS Lai.

*What Does an OSCE Station Test?*

Paper presentation on the 8<sup>th</sup> Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region held on 13-14 December 2005. p.79

33. **Kumta SM**, J Ware.

*The Diagnostic Value of Formative Assessment Case Studies.*

Paper presented in AMEE 2005 Conference held in Amsterdam, The Netherlands on Aug 30-Sept 3, 2005. p.89.

## 12. TEACHING RELATED PUBLICATIONS.

### 12.3. Conference presentation (Poster)

1. **Kumta SM**, Ng HK, Lai BSP, AU CL, Jin Y, Kwan SMD.  
CU-Medicine Evaluates the Costs & Efficacy of an Assessment Item Bank Management System.  
E-poster presentation at the 14<sup>th</sup> Asia Pacific Medical Education Conference 2017 held on 11-15 Jan 2017 in Singapore
2. **Kumta SM**, Yung ALK, Jin Y.  
Implementing MEDLOG – An e-portfolio to Improve Student Engagement in Self-Initiated Clinical Encounters and Participation in Practical Procedures.  
E-poster presentation at the 14<sup>th</sup> Asia Pacific Medical Education Conference 2017 held on 11-15 Jan 2017 in Singapore.
3. Hwang I, Jin Y, Yung A, Lee R, **Kumta S**.  
Applying the Flipped Classroom to a Large Heterogeneous Discipline Class.  
E-poster presentation session 6 at the 13<sup>th</sup> Asia Pacific Medical Education Conference 2016 in Singapore.  
(E-poster presentation Merit Award awarded to Hwang I.)
4. Jin Y, **Kumta S**, Yung A, Leung J.  
Paperless Marking for OSCE.  
Poster presentation in 13<sup>th</sup> Asia Pacific Medical Education Conference held at Singapore on 13-17 Jan 2016.
5. Leung YC, **Kumta SM**, Jin Y, Yung LK.  
A Evaluation of Standard Setting Methods on Final Year Examinations.  
Poster presentation in AMEE 2015 held at Glasgow, Scotland, UK on 4-9 Sept 2015.
6. **Kumta SM**, Jin Y, Leung JYC, Yung LK.  
Eliminating Flawed Items in High-stakes Examinations.  
e-Poster presentation in East–West Alliance Global Symposia held at University of HK on 27 Oct 2014.
7. Leung YC, **Kumta SM**, Yung ALK, Jin Y.  
Using Augmented Reality to expand medical teaching.  
e-Poster presentation in East–West Alliance Global Symposia held at University of HK on 27 Oct 2014. (**1<sup>st</sup> Runner-up for e-Poster presentation**)
8. **Kumta SM**, Leung YC, Yung ALK, Jin Y.  
Using Augmented Reality to expand medical teaching.  
Poster presentation in AMEE 2014 held in Milano, Italy on 30 Aug to 3 Sept 2014.  
**(Medical Teacher Poster Prize at AMEE 2014- 3<sup>rd</sup> place)**
9. Jin Y, **Kumta SM**, Leung JYC, Yung ALK.  
Eliminating Flawed Items in High-stakes Examinations – The Chinese University of Hong Kong Experience.  
Poster presentation in AMEE 2014 held in Milano, Italy on 30 Aug to 3 Sept 2014.
10. Kumta SM, Leung YC, Yung ALK, Jin Y.  
Using Augmented Reality to expand medical teaching  
Paper presentation in the AMEE 2014, held in Singapore on 15-19 Jan 2014.
11. Yung A, **Kumta S**, Leung J, Jin Y, Critchley L.  
AppMaster 2.0: Technology Enhanced Delivery of Teaching Materials.  
Poster presented in the 11<sup>th</sup> Asia Pacific Medical Education Conference (APMEC) held on 15-19 January 2014 in Singapore.

## 12. TEACHING RELATED PUBLICATIONS.

### 12.3. Conference presentation (Poster)

12. **Kumta S**, Jin Y, Leung YCJ, Yung LKA, Critchley J.  
The Flipped Classroom: The Chinese University of Hong Kong Experience.  
Poster presented in the 11<sup>th</sup> Asia Pacific Medical Education Conference (APMEC) held on 15-19 January 2014 in Singapore.
13. **Kumta SM**, Yung ALK, Leung JYC, Jin Y, Wong Samuel, Tsang KW Katrina.  
Facilitate your teaching with Apps.  
Poster presented in the Teaching & Learning Innovation Expo 2013 held on Dec 2013 in CUHK.
14. **Kumta SM**, Chan SO, Burd DAR, Vlantis AC, Jin Y, Yung LK, Leung YCJ.  
Helping Students to Develop a Better Understanding of Spatial Anatomy.  
Poster presented in the Teaching & Learning Innovation Expo 2012 held on 13 Dec 2012 in CUHK.
15. Kumta SM, Burd DAR, Ng SM, Vlantis AC, Jin Y, Yung LKA, Leung YCJ.  
Training Graduating Medical Students to Develop the Non-technical Domains Necessary for Holistic Competence in Practical Procedural Skills.  
Poster presented in the Teaching & Learning Innovation Expo 2012 held on 13 Dec 2012 in CUHK.
16. **Kumta SM**, Critchley L, Jin Y, Yung A and Leung J.  
The Mobile Revolution: Are Teachers Missing Out?  
**Poster Award** presentation in the Poster presentation in the Teaching & Learning Innovation Expo 2012 held on 13 Dec 2012 in CUHK.
17. Lam TP, **Kumta SM**, Cheng CYJ.  
An Innovative Web-based Platform for Enhancement of Outcome-based Learning in Orthopaedics.  
Poster presentation in The Sixth International Congress of Chinese Orthopaedics Association (COA), 2 pgs, Beijing, China on 1 Dec 011.
18. Leung JYC, Critchley LAH, Yung ALK, **Kumta SM**.  
Effects on examination performance due to two types of virtual patient: A repeated study.  
Poster presentation in the Teaching & Learning Innovation Expo 2011 held on 11 Nov 2011 in CUHK.
19. Lam TP, **Kumta SM**, Tsang P, Hung LK.  
An innovative web-based platform for enhancement of outcomes-based learning in Orthopaedics.  
Poster presentation in the Teaching & Learning Innovation Expo 2011 held on 11 Nov 2011 in CUHK.
20. Kumta SM.  
AppMaster: The Application that aids educators in mobile education.  
Poster presentation in the Teaching & Learning Innovation Expo 2011 held on 11 Nov 2011 in CUHK.
21. **Kumta SM**, Burd A, Yung A, LO L, Leung J.  
Does Realism add to the Authenticity of assessments in OSCE's ?  
Poster presentation in the AMEE 2011 held on 27-31 Aug 2011 in Vienna, Austria.



## 12. TEACHING RELATED PUBLICATIONS.

### 12.3. Conference presentation (Poster)

22. **Kumta SM**, Burd A, Lo L, Yung A.

Does Realism add to Authenticity of Assessments in OSCE's.

Best Poster presentation in the 8<sup>th</sup> Asia Pacific Medical Education Conference (APMEC 2011) held on 26-30<sup>th</sup> January 2011 in Singapore. **(Poster award)**

23. Joseph YC Leung, Lester AH Critchley, Alex Yung, **Shekhar Kumta**.

Comparison of learning outcomes when using two E-Learning exercises FACS versus VP story on a 2-week final year undergraduate Anaesthesia clinical attachment.

Poster presentation in the 8<sup>th</sup> Asia Pacific Medical Education Conference (APMEC 2011) held on 26-30<sup>th</sup> January 2011 in Singapore.

24. **Kumta SM**, Burd A, Yung A, Lo L.

Quasi-authentic but realistic patient encounters for training and assessment of medical students. Poster presentation in the "Teaching and Learning Innovation Expo 2010" held at CUHK on 22 Oct 2010. (Poster board no. P35) **Poster award**

25. **Kumta SM**.

3-D Anatomy and Body Image Projection. Poster presentation in the "Teaching and Learning Innovation Expo 2010" held at CUHK on 22 Oct 2010. (Poster board no. P34)

26. **Shekhar Kumta**, Lester Critchley Alex Yung, Yan Jin, Joseph Leung

Mapping Virtual Patient Case based on Knowledge Type and Cognitive Depth.

Poster presentation in the AMEE 2010, Glasgow, UK on 4-8 Sept 2010.

27. Critchley L, Leung J, **Kumta S**, Ware J.

E-Learning Formative Assessment Case Studies in Undergraduate Anaesthesia. Poster presentation at the 6<sup>th</sup> Asia Pacific Medical Education Conference APMEC, 19-22 Feb 2009 in Singapore.

28. How create we-based interactive learning materials using FACS.

Poster Commendation at the Teaching and Learning Innovation Expo 2008 in CUHK, HK.

29. James Ware, **Shekhar Kumta**, Paul Lai.

Measuring clinical competence: isn't it mostly about practical skills?

OZZAWA Conference, Melbourne, March 2008.

30. **Kumta SM**.

How to Create Web-based Interactive Learning Materials Using FACS.

Poster presentation at the Expo in the Ester Lee Building, The Chinese University of Hong Kong on October 18, 2007.

31. **Kumta SM**, J Ware, Tommy Tang.

Online formative assessment Case Studies (FACS) and Interactive Learning: A tool for Training, diagnostic Intervention and Predictive Purposes towards graduation level Clinical

Competencies. Paper presented at the 4<sup>th</sup> GCC Medical Education Conference on Nov 28-30, 2004 in AL Ain, UAE.

32. **Kumta S.M**, Hung LK, Cheng JCY.

Fostering critical thinking skills through a Web-based tutorial programme for final year medical students. Abstract in proceedings on the 2<sup>nd</sup> Hong Kong Conference on Quality in Teaching and Learning in Higher Education in Hong Kong, entitled "**The Scholarship of Teaching and Learning: New Challenges for Educational Practice in Higher Education in Hong Kong**" on 24-26 May 2001.

# 13. TEACHING RELATED WORKSHOPS

## 13.1 Workshop for Faculty

1. Conduct a workshop “**Designing Assessment Questions**” for Medical Education Conference (MEC) 2016 held on 28 May 2016 in Hong Kong Academy of Medicine Jockey Club Bldg., HK
2. Invited to conduct 2 workshops as part of the IDEAL Consortium held on March 2016 in Perth, Australia.
3. *Organized a workshop on “Learning Package Authoring with Articulate Storyline held on 8 June 2016 in Education Resource, PWH*
4. *Organized a “OSIRIX Workshop” held on 14 June 2016 in Education Resource, PWH*
5. *Conduct a workshop “Designing assessment questions” at the Medical Education Conference (MEC) organized by HKU on 28 May 2016.*
6. *Organized a Useful apps workshop examination” held on 18 May 2016 in TLRC.*
7. *Organized Item Analysis workshop on 20 April 2016 in TLRC.*
8. *Organized a “Item Writing Workshop on 24 March 2016 in TLRC.*
9. *Organized a “IDEAL Workshop for HKU members on 2 Feb 2016 in TLRC.*
10. *Organized a IDEAL Workshop for CUHK staff” on 27 Jan 2016.*
11. *Host workshop at the 15<sup>th</sup> Medical Education Conference for China Mainland, Taiwan and the Hong Kong Region organized by Peking University on 30 Oct to 1 Nov 2015 in Beijing, China*  
Theme: Using e-assessment bank to facilitate effective student learning  
**(Chaired by Prof Kumta on 1<sup>st</sup> Nov 2015 )**
12. *Conducted a workshop at the AMEE conference held on 10 Sept 2015 in Glasgow, UK. This workshop introduced IDEAL members the re-developed IDEAL system. We showed the new operation environment of IDEAL and help the members to install the new system to their computer system. This workshop took place in the AMEE conference hotel in Glasgow.*
13. **Workshop on Exam Item Quality Analysis** held on 30 May 2012 in Teaching & Learning Resources Centre, PWH
14. Self Study & E-learning Resources workshops at **Shantou University Medical College on 24-25 May 2012. (Invited workshops)**
15. **iExam – another TLRC App for examination** was held on 22 Feb 2012 in Teaching & Learning Resource Centre, PWH.
16. Workshop on **The AppsMaster – TLRC teaching App** was held on 8 Feb 2012 in Teaching & Learning Resources Centre, PWH
17. Workshop on **The Articulate Follow-up workshop** was held on 18 Jan 2012 in Teaching & Learning Resources Centre, PWH
18. **Item Writing Workshop** was held on 11 Jan 2012 in Teaching & Learning Resources Centre PWH.
19. **“Technology in Teaching”** was held on 4 Jan 2012 in Teaching & Learning Resources Centre, PWH

# 13. TEACHING RELATED WORKSHOPS

## 13.1 Workshop for Faculty

20. **“Mobile Learning Workshop”** in the Medical Education Conference for China Mainland, Taiwan & the Hong Kong Region was held on 25-26 Nov 2011 in School of Public Health, Prince of Wales Hospital, Hong Kong. (organized by Faculty)

21. Workshop on **“Exam Item Quality Analysis (morning session)”** was held on 25 May 2011 in Teaching & Learning Resources Centre, PWH

22. Workshop on **“Exam Item Banking (afternoon session)”** was held on 25 May 2011 in Teaching & Learning Resources Centre, PWH

### 23. Curriculum Retreat 2011 - Facilitator & Organizer

22 Oct 2011 in Shaw Auditorium, Postgraduate Education Centre, PWH.

Presentation:

- a. Apps Master
- b. iAssessment
- c. Self-study Package

24. As facilitator for workshops organized by The Teaching & Learning Resource Centre.

#### a. Test Blueprinting for Exams

Date: 19 Jan 2011 from 12:30pm to 2:30m.

#### b. How to Use Articulate for Developing Self-study learning Resources and Guides

Date: 26 Jan 2011 from 12:30pm to 2:30pm

### 25. Curriculum Retreat 2010 - Facilitator & Organizer

Held on 18 September 2010 in Shaw Auditorium, Postgraduate Education Centre, PWH.

**Presentations:**

- a. 3D Anatomy projection for teaching
- b. Simulation make-up for teaching
- c. Self-study package

### 26. OSIRIX workshop – Facilitator & organizer

Held on 24 Mar 2010 Teaching & Learning Resources Centre, PWH

### 27. Workshop on “How to avoid item Writing Flaws in Summative Examinations”

Held on 17 Mar 2010 in Teaching & Learning Resources Centre, PWH

### 28. 2-day workshop:

#### **Virtual patients in Medical Education**

Jointly Organized by Prof Kumta and Prof Critchley

Date: 11-12 February 2010 at 9am to 4:30pm in Teaching & Learning Resource Centre, PWH

### 29. Curriculum Retreat 2009 - Facilitator & Organizer

12 September 2009 in Shaw Auditorium, Postgraduate Education Centre, PWH.

Presentation: Student Learning Outcome

30. **“Virtual Patients – An international Perspective”** held on 5<sup>th</sup> August 2009 in Teaching & Learning Resource Centre, PWH, organized by Prof Kumta, Director of TLRC.

31. **Mini-MEA Conference** held on 17-18 April 2009 in Rm 301, CUHK Li Ka Shing Medical Sciences Building, PWH

Internship Training at the Chinese University of Hong Kong

# 13. TEACHING RELATED WORKSHOPS

## 13.1 Workshop for Faculty

32. **Lunch Seminar - Novel E-Learning Technologies - Part 1& Part 2** on March 11, 2009 & March 25, 2009 respectively in the Teaching & Learning Resource Centre (TLRC), Rm 103, 1/F, Block A, Staff Qtrs, PWH jointly organized by Prof Kumta, Director of TLRC and Prof Lester Critchley, Dept of Anaesthesia.

33. **Workshop on the Preparation for “3+3+4” Curriculum and Outcomes-based Approach held on Wednesday, 10 December 2008 at LT1, 7/F, Mong Man Wai Building, CUHK**  
**Title:** Developing Learning Outcomes for an Integrated Professional Curriculum like Medicine

### 34. **Curriculum Retreat 2008**

Held on 6 September 2008 in Shaw Auditorium, Postgraduate Education Centre, PWH.

#### **Topics:**

Progress report: Student Learning Outcomes (SM Kumta)

Outcome Related, Novel T&L Initiatives (SM Kumta)

### 35. **“IDEAL Train the Trainer Assessment Workshop”**

As a speaker and facilitator to attend this workshop on 25-27 Nov 2007 at Sudan. (Hosted by Dr Amal M Saeed, Director of Educational Development Centre)

**Plenary lecture:** Standard Setting – Determining Pass, Fail, Cutoff points

### 36. **Curriculum Retreat 2007 - Facilitator**

Theme: Specifying & Tracking Student Outcomes

Held on 8 September 2007 in Shaw Auditorium, Postgraduate Education Centre, PWH. (As a facilitator)

### 37. **Curriculum Retreat 2006**

**Theme:** Documenting Our Undergraduate Programmes’ Student Learning Outcomes

### 38. **Curriculum Retreat 2005**

Held on 10 September 2005 in Shaw Auditorium, Postgraduate Education Centre, PWH. (As a facilitator)

### 39. **“IDEAL Item Writing Workshop”**

As a facilitator to attend this workshop on Feb 27- Mar 1, 2005 at Adelaide Australia.

(Hosted by Professor David Prideaux, Flinders University, Adelaide, Australia for the HK International Consortium for Sharing Medical Student Assessment Banks).

### 40. **“Surgical Item Writing Workshop”**

Held on Jan 22 & Jan 29, 2005 at Teaching & Learning Resources Centre, Prince of Wales Hospital, (Facilitator and organizer: Prof. SM Kumta & Prof. James Ware)

### 41. **“Case Making Workshop”**

Held on Nov 6, 2004 at Teaching & Learning Resources Centre, Prince of Wales Hospital, (Facilitator and organizer: Prof. SM Kumta & Prof. James Ware)

### 42. **“Train the Trainer Assessment Workshop” – Facilitator and co-organizer**

Workshop jointly organized with University of Hong Kong held on October 27-31, 2003 in Prince of Wales Hospital & Faculty of Medicine, University of Hong Kong.

### 43. **“THE GREAT (Generating Rich Environments for Active Tutorials) Workshops**

Faculty Curriculum Retreat 2003 meeting on 21 June 2003. Workshop jointly organized with Office of Educational Services, CUHK.

# 13. TEACHING RELATED WORKSHOPS

## 13.1 Workshop for Faculty

### 44. **FACS training workshop – “Scenario Writing”**

Held on 20 June 2003, 5B Seminar Rm, 5/F, Main Block PWH.  
(Facilitator and organizer: Prof. SM Kumta)

### 45. **“First LEARNET conference – Shareable learning resources on-line”**

Held on 27-28 January, 2003 at Wang Gangu Conference Centre, Graduate House, University of Hong Kong organized by Interactive Media Group, CAUT, The University of Hong Kong.  
(Facilitator: Prof SM Kumta)

### 46. **FACS training workshop – “Writing Cases”**

Held on 28 Nov 2002, Seminar Rm, Orthopaedic Learning Centre, 1/F, Li Ka Shing Specialist Clinic, PWH. (Facilitator and organizer: Prof. SM Kumta)

### 47. **“FACS training workshop – Introduction**

Held on October 23, 2002, Seminar Rm, Orthopaedic Learning Centre, 1/F, Li Ka Shing Specialist Clinic, PWH. (Facilitator and organizer: Prof. SM Kumta)

### 48. **“Formative Assessment Templates – Advanced Workshop – On Line Courseware & Its Management”**

Held on 26 June 2002, 3/F Computer Lab., Postgraduate Education Center, School of Public Health, PWH. Prof. SM Kumta, Mr. PL Tsang, Mr. Sam So. Workshop jointly organized with Centre for Learning Enhancement and Research, CUHK.

### 49. **Curriculum Retreat 2002**, held on 22 June 2002.

As a workshop instructor – Topic: Hyper-linking with EBM Guides for Clinical Teachers  
In PC Lab, 3/F, PEC, PWH

### 50. **“FATS – How to Implement FATS in Courseware Development”**,

Held on 29 May 2002, Rm 104, Pi-ch’iu Building, CUHK. Prof. SM Kumta, Mr. PL Tsang, Mr. Sam So. Workshop jointly organized with Centre for Learning Enhancement and Research, CUHK.

### 51. **“FATS – The use of Formative Assessment Templates: A hands-on workshop”**,

Held on 17 April 2002, Rm 104, Pi-ch’iu Building, CUHK. Facilitator. Prof. SM Kumta, Mr. PL Tsang, Mr. Sam So. Workshop jointly organized with Centre for Learning Enhancement and Research, CUHK.

### 52. **“How to Promote Active Learning Using Web Based Teaching Aids – Experience sharing of a TDG Funded research project”**,

Held on 15 January 2002 Computer Laboratory, Post-graduate Education Centre, 3/F School of Public Health, Prince of Wales Hospital, Hong Kong. Facilitator: Prof. SM Kumta, Prof. Roger Yin, Mr. Patrick PL Tsang, Mr. S. So. Workshop jointly organized with Centre for Learning Enhancement and Research, CUHK.

### 53. **“Designing Problem-based, Scenario-oriented, and Web-enhanced Course Activities Based on ALPS (Active Learning and Performance Strategies)”**, Held on 11-12 January 2002, Rm 104,

Pi-ch’iu Building, CUHK, Facilitators Prof. Roger Yin, & Prof. SM Kumta.

54. **“Writing MCQ’s to Measure Clinical Reasoning and Decision Making – A workshop for Teachers in Orthopaedic Surgery”**, Held on 19-20 October 2001, OLC, Prof. CB Hazlett & SM Kumta, Workshop - OES, Faculty of Medicine.

# 13. TEACHING RELATED WORKSHOPS

## 13.2 Workshop for O&T Department

1. **Defining case competencies in orthopaedic education**, 11 Oct 03, Venue PEC

Facilitators : James Ware, S Kumta

2. **Quality questions / scenarios based on defined case competencies / objectives**,

On 13 Dec 03 PEC

Facilitators : James Ware, S Kumta

3. **Developing and linking OSCE's to case competencies**, 14 Feb 04, PEC.

Facilitators : James Ware, S Kumta

## 13.3 Workshop and Seminars for Self-Development

1. Attended CENTRES Workshop "**Nurturing a Culture of Candour: Disclosure and the Role of the CEC**" on Jan 20 and 6<sup>th</sup> Annual CENTRES Conference on Clinical Ethics held on Jan 21-22, 2016 in National University Singapore, Singapore.

Workshop:

2. Workshop on "**The SOLO Framework for assessment**" organized by CLEAR, CUHK on Oct 16, 2008 at 2:30pm to 4:30pm in Rm 405, William MW Mong Engineering Building, CUHK.

3. Symposium on Outcome-based approaches in Student Learning – "**Quality Education, Quality Outcomes: The Way Forward for Hong Kong**" on June 18, 2008 in Hockey Club Auditorium, HKPU organized by UGC.

4. Workshop on **Assessment in an outcomes-based curriculum** on March 8, March 15 & March 29 2007 in Rm 120-121, Pi-Ch'iu Building, CUHK

**Topics:**

March 8: Reducing the subjectivity in grading written assignments (12:30pm-1:30pm)

March 15: Assessing the contribution of individuals to a group project (12:30pm-1:30pm)

March 29: Formative and summative eAssessment (12:30pm-1:30pm)

Venue: Rm 803, William MW Mong Engineering Building, CUHK (For March 8 & March 15)

5. Workshop on "**LAMS@CUHK - A focus on enhancing teaching & learning**" on Jan 24, 2007 at 12:30pm-2pm in Rm 122, Pi Chi'iu Building, CUHK presented by Johnny LY, Macquarie University, Australia.

6. Workshop on "**MCQ Software Beta Release**" on May 25, 2002, organized by Office of Educational Services, CUHK.

7. Workshop on "**Effective Techniques for Teaching EBM during Clinical Rotations in Surgery and Orthopaedics**" on May 21, 2002, organized by Office of Educational Services, CUHK.

8. Workshop on "**Teaching Evidence-based Medicine – Guides for Clinical Teacher**" on November 15-16, 2001, organized by Office of Educational Services, CUHK.

9. Workshop on "**Stimulating Effective Student Interactions**" on October 16, 2001, organized by Center for Learning Enhancement and Research, CUHK.

10. Workshop on "**Active Teaching, Active Learning, IT**" on July 10, 2001, organized by Centre for Learning Enhancement and Research, CUHK.

# 13. TEACHING RELATED WORKSHOPS

## 13.3 Workshop and Seminars for Self-Development

11. **“Development & Administering Quality OSCE Examination”** on March 19-20, 2001, organized by Office of Educational Services, CUHK. Prof Ian Hart.
12. **“Evidence-based Medicine (EBM) Workshop for Clinical Teachers ‘teaching teachers how to each EBM’** on February 13-14, 2001, organized by Office of Educational Services, CUHK. & Dr Rob Hayward.
13. **“How to Learn Clinical Skills in a Lab Setting for Skills Panel”** on November 28-29, 2000 (Organized by Office of Educational Services, CUHK)
14. Workshop on **“Techniques for Achieving Active Learning in a NON-PBL Medical Curriculum”** on November 27, 2000, organized by Office of Educational Services, CUHK.
15. **Advanced Teaching Enhancement Workshop** on November 20-22, 2000, organized by Teaching Development Unit, CUHK. Delivered by Professor David A Cook (University of Alberta). Organised by the Office of Educational Services, CUHK.
16. Briefing Session for Faculty of Medicine on Web-based Teaching and Learning facilities in the University. November 28, 2000 (Organized by Information Technology Services Centre, CUHK).
17. Assessing the Consequences of Information Technology in Education: Issues, Problems and Opportunities. November 29, 2000 (Organized by Information Technology Services Centre, CUHK).
18. Teaching Enhancement Workshop for Surgery (Facilitator) on November 23-25, 2000, Department of Surgery, CUHK
19. Quality in Teaching & Learning in Higher Education on December 10-12, 1998 HK International Trade and Exhibition Centre, Hong Kong. Teaching Improvement Project System’ (TIPS) Workshops Delivered by Professor CB Hazlett, CUHK Organized by the Office of Educational Services, CUHK, 1997.
20. How to Use students’ evaluation to Enhance University Teaching on June 13, 1996, organized by Teaching Development Unit, CUHK.

## 14. SERVICES

### 14.1 Services to Faculty / Department

1. Representative of Faculty of Medicine to serve on the Medical Council of Hong Kong's Task Force on Telemedicine (Nov 2014 ~ present)
2. Representative of the Faculty of Medicine for the IT Steering Committee (Faculty) (1/9/14 to present)
3. Assistant Dean (Education), Faculty of Medicine (Sept 2008 ~ 30 Jun 2018)
4. Member, Curriculum Review Committee (Faculty) (April 2014 to present)
5. Chairman, Curriculum Design Committee (Faculty) (April 2014 – present)
6. Member, Deanery Committee (Faculty) (Oct 2013 to April 2014)
7. Assistant Deans' Committee (Faculty) (May 2014 to present)
8. Coordinator of the Panel of Musculo-skeletal (PMUS) (5 Feb 2013 to present)
9. Member, Medical Curriculum Steering Committee (Faculty) (April 2010 to present)
10. Member, Central Internship Committee (Faculty) (2008 to present)
11. Member, Faculty Board of Faculty of Medicine (Faculty) (2008 to present)
12. Member, Faculty Executive Committee, Faculty of Medicine (Faculty) (Sept 2008 to present)
13. Chairman, Task Force for Student Learning Outcome Committee (Faculty) (2008 to present)
14. Member, Year-5 Committee (Faculty) (2007 to present)
15. Member, Programme Review Committee (Faculty) (2007 to present)
16. Director, Education Resources (July 2007 to present)
17. Member, Faculty CME Program Committee (Faculty) (Nov 2002 to present)
18. Member, QA Committee – Clinical Skills Centre / PCLM (Faculty) (2001 to present)
19. Member, System Panel: PCLM (Faculty) (2001 to present)
20. Convenor, MCQ's Subcommittee (Dept O&T) (Department) (1997 to present)
21. Co-ordinator, MBChB Examination Committee (1997 to present)
22. Co-ordinator, Medical Year 3 Teaching (O&T) (2011 to Dec 2014)
23. Co-ordinator, OSCE development team (1998 to present)
24. Chairman of Teaching Committee (O&T) (2013 to present)
25. Associate Member of Thematic Research Program "Cancer and Inflammation" in School of Biomedical Sciences (Feb 2013 to present)



## 14. SERVICES

### 14.2 Services to College

(2002)

Member of the University Task Force on Teaching & Learning Quality Process Review – in this capacity I actively helped with the University's preparation for the UGC's review, on behalf of the medical faculty as well as other faculties/units through mock reviews and constructive feedback.

### 14.3 External Services (Hong Kong)

(2003)

Voluntary work in Ngau Tau Kok to members of Ethnic minorities - Ngau Tau Kok / Kwun Tong for Counseling & Educating with *The Christian Aid* – a Community organization.

(2003)

Voluntary work during SARS consisting of field work with Medecins Sans Frontiers (MSF).

(2003)

Assisted **Government Information Service** Department - video recording for broadcast / communication with ethnic minorities during SARS crisis.

(1997)

Counsellor – For a bereaved patients and for families of children with cancer.

(1996)

Instructor First aid and basic life support skills to higher secondary school / college students at a local school in Hong Kong

(1996 to present)

#### **Quaternary Centre for the Management of Musculoskeletal Neoplasms – Hospital Authority**

I have made solid contributions to the development of a quaternary referral centre for the management of primary and secondary musculoskeletal neoplasms. This is one of three such centres in Hong Kong. In this area I have successfully developed a multidisciplinary team that has enabled us to expedite the early diagnosis and swift management of malignant neoplasms. We have also developed pioneering reconstructive technologies and have obtained funding from external sources (**Children's Cancer Fund**) to facilitate further service development.

(1995)

#### **Centre of Excellence for Tissue Banking – Hospital Authority**

I have been responsible for the service development and training activities contributing to the development of the Centre of Excellence for Tissue Banking under the auspices of the Hospital Authority. This comprehensive tissue banking programme has been developed and maintained by myself and colleagues and has enabled us to provide an extensive range of allograft tissues for reconstructive applications to all hospitals in the New Territories / Kowloon region. As a result of my involvement and efforts, the International Atomic Energy Agency (IAEA) acknowledged my contributions and nominated me as a trainer for their Tissue Banking training programme.

# 14. SERVICES

## 14.3 External Services (International / Professional Bodies)

1. Appointment as a **Representative** of Faculty of Medicine, CUHK to Internship Subcommittee of the Licentiate Committee of the Medical Council of HK (Jan 2016 to 31 Dec 2018)
2. Regular Member of the HK Medical Association (4 Nov 2014- 30/6/2018)
3. As organization member's representative of CUHK to HK Simulation Alliance (from Oct 2013)
4. As Mr CHU Chun kan Gabriel, External examiner of Polytechnic University, HK (2013 Oct)  
Thesis title: Prosthetic Outcome Evaluation of Young Traumatic Amputees
5. Member of the Hong Kong Regional TNM Cancer Staging Subcommittee (Panel for Musculoskeletal and Skin Neoplasms) (Aug 2010 to present)
  1. Board member in Chinese Musculoskeletal Tumor Society (Nov 2006 – present)
  2. Life member of the Hong Kong Orthopaedic Association (Aug 2003 to present)
  3. Reviewer of the Editorial Board of The Hong Kong Medical Journal
  4. Review, Journal of Musculoskeletal Research (2005 to present)
  5. Review editor - Journal of Plastic and Reconstructive Surgery (2005 to present)
6. International Atomic Energy Agency (IAEA), Vienna Australia (1998-2003)
  - 6.1 Hong Kong representative on Regional programme on the use of Radiation for sterilization
  - 6.2 Trainer for Tissue Banking Programme in Asia
7. HKCOS's Honorary Trainer in Orthopaedics & Traumatology (14 Aug 2007 to 31 Dec 2010)
8. External Examiner of The University of Western Australia (2003-2010)
9. External Examiner of The Melbourne School of Graduate Research, The University of Melbourne (2002-2003, 2007-2008)
10. Review editor of Clinical Orthopaedic & Related Research (2005)
11. Vice President Asia Pacific Association of Surgical Tissue Banking (2002-2006)
12. Secretary of The Asia Pacific Musculoskeletal Tumor Society. (1998-2004)
13. Corresponding Editor of The Editorial Board of the Hong Kong Journal of Orthopaedic Surgery (1997-2007)
14. Frontiers in Surgery. (up to 3<sup>rd</sup> Oct 2014)