

Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong



25th Anniversary of the Orthopaedic Learning Centre: Symposium on Orthopaedic Training, Education and Innovation

Date & time:

16 November 2024 (Saturday)

0830 - 1700 hours

Venue:

9/F Auditorium, CUHK Medical Centre, Shatin, Hong Kong

Invited Speakers:



Professor Philip Wai Yan CHIU
Dean, Faculty of Medicine
The Chinese University of Hong Kong



Professor Hamish SIMPSON
Professor and Head
Department of Orthopaedics and Trauma
University of Edinburgh, United Kingdom



Professor Guoxian PEI
Chair Professor School of Medicine
Southern University of Science
and Technology, China



Dr Yu WANG
Associate Professor and Assistant Dean
School of Biological Science and Medical Engineering
Beihang University, China

Professor Jack Chun Yui CHENG
The Chinese University of Hong Kong

Dr Alec Lik Hang HUNG
Prince of Wales Hospital

Professor Shekhar KUMTA
The University of Medbourne and Northern Hospital
The Chinese University of Hong Kong

Ms Wing Kun LAI
Prince of Wales Hospital

Dr Adam Yiu Chung LAU
The Chinese University of Hong Kong

Dr Samuel Ka Kin LING
The Chinese University of Hong Kong

Professor Ping Chung LEUNG
The Chinese University of Hong Kong

Dr Michael Chu Kay MAK
Prince of Wales Hospital

Dr Michael Tim Yun ONG
The Chinese University of Hong Kong

Dr Raymond Chung Wai WAN
Prince of Wales Hospital

Dr Kwok Chuen WONG
Prince of Wales Hospital

Department Chairman:



Professor Patrick Shu hang YUNG
Clinical Professor and Chairman

Organizing Committee:

Dr Sheung Wai LAW
Director, Orthopaedic Learning Centre

Dr Ronald Man Yeung WONG
Clinical Associate Professor

Dr Elvis Chun Sing CHUI
Research Assistant Professor

Free Attendance & Registration Required



Organizers:



Sponsors:



Program Secretariats:

(852) 3505 3483

Email: olc-ort@cuhk.edu.hk

OLC website: <http://www.olc-cuhk.org>

Organizing Committee



Dr Sheung Wai LAW
Committee Chairman

Director of Orthopaedic Learning Centre
Department of Orthopaedics & Traumatology
The Chinese University of Hong Kong



Dr Ronald Man Yeung WONG
Committee Member

Clinical Associate Professor
Department of Orthopaedics & Traumatology
The Chinese University of Hong Kong



Dr Elvis Chun Sing CHUI
Committee Member

Research Assistant Professor
Department of Orthopaedics & Traumatology
The Chinese University of Hong Kong

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Venue: 9/F Auditorium, CUHK Medical Centre, Shatin, Hong Kong

Registration (08:00 am – 08:30 am)

HKCOS Saturday Inter-hospital Meeting (08:30 am – 10:00 am)

Moderators:

- **Dr Ronald Man Yeung WONG** (Clinical Associate Professor, Department of Orthopaedics & Traumatology, CUHK)
- **Prof Wing Hoi CHEUNG** (Professor, Department of Orthopaedics & Traumatology, CUHK)

Time	Topic	Speaker
08:30 am	Welcome Remarks	Professor Patrick Shu Hang YUNG (Clinical Professor and Chairman, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong) and Dr Sheung Wai LAW (Director of Orthopaedic Learning Centre, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong; President, The Hong Kong College of Orthopaedic Surgeons)
08:35 am	Early Days of the Department of Orthopaedics & Traumatology	Professor Ping Chung LEUNG (Emeritus Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
08:55 am	The Founding of Orthopaedic Learning Centre	Video of Orthopaedic Learning Centre & Recorded Interview with Professor Kwok Sui LEUNG by Dr Ronald Man Yeung WONG and Professor Wing Hoi CHEUNG

Photo Session (09:05 am – 09:10 am)

Theme 1: Educational Excellence and Research Innovations in Training and Healthcare

09:10 am	Innovative Medicine and Robotic Surgery Training in Hong Kong	Professor Philip Wai Yan CHIU (Dean, Faculty of Medicine, The Chinese University of Hong Kong)
09:30 am	Spectroscopy: The New Paradigm in Biomolecular Diagnostics	Professor Shekhar KUMTA (Professor, Department of Surgery, The University of Melbourne and Northern Hospital, Australia; Emeritus Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
09:50 am	Nurturing Elite Athletes: Integrating Education, Research and Specialized Training	Professor Patrick Shu Hang YUNG (Clinical Professor and Chairman, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)

10:10 am	Advancing Paediatric Orthopaedics – From Clinical Services, Research to Education and Training	Professor Jack Chun Yiu CHENG (Emeritus Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
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Coffee/Snack Break (10:30 am – 10:50 am)

Moderators:

- **Dr Sheung Wai LAW** (Clinical Professional Consultant, Department of Orthopaedics & Traumatology, CUHK)
- **Dr Elvis Chun Sing CHUI** (Research Assistant Professor, Department of Orthopaedics & Traumatology, CUHK)

Theme 2: Novel Technologies, Artificial Intelligence, 3D Printing and Computer Assisted Orthopaedic Surgery

10:50 am	Supporting Next Generation Orthopaedic Surgeons with New Technologies and Innovations: Future Scoping T & O	Professor Hamish SIMPSON (Professor and Head, Department of Orthopaedics & Trauma, University of Edinburgh, United Kingdom)
11:10 am	Digital Intelligent Orthopaedics: Opportunities and Challenges	Professor Guoxian PEI (Chair Professor, School of Medicine, Southern University of Science and Technology, China)
11:30 am	Artificial Intelligence Assisted Orthopaedic Software Systems	Dr Elvis Chun Sing CHUI (Research Assistant Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
11:50 am	Application of 3D Printing and Computer Assisted Orthopaedic Surgery in Paediatric Orthopaedics	Dr Alec Lik Hang HUNG (Consultant, Department of Orthopaedics & Traumatology, Prince of Wales Hospital)
12:10 am	Deformity Correction in Upper Limb Surgery	Dr Michael Chu Kay MAK (Consultant, Department of Orthopaedics & Traumatology, Prince of Wales Hospital)

Lunch break (12:30 pm – 2:00 pm)

Moderators:

- **Dr Samuel Ka Kin LING** (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, CUHK)
- **Dr Adam Yiu Chung LAU** (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, CUHK)

Theme 3: Mixed Reality, Robotics and Minimally Invasive Surgery in Orthopaedics

2:00 pm	Digital Application and Development in Minimally Invasive Fracture Surgery	Dr Yu WANG (Associate Professor and Assistant Dean, School of Biological Science and Medical Engineering, Beihang University, China)
2:20 pm	Mixed Reality in Orthopaedic Oncology	Dr Kwok Chuen WONG (Consultant, Department of Orthopaedics & Traumatology, Prince of Wales Hospital)
2:40 pm	Enhancing Surgical Efficiency and Accuracy with the Use of Surgical Robot for Joint Surgery	Dr Michael Tim Yun ONG (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)

3:00 pm	From OLC Workshops to Spine Surgery in Clinical Practice	Dr Raymond Chung Wai WAN (Resident Specialist, Department of Orthopaedics & Traumatology, Prince of Wales Hospital)
Tea Break (3:20 pm – 3:35 pm)		
Moderators:		
<ul style="list-style-type: none"> - Dr Michael Tim Yun ONG (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, CUHK) - Dr Elvis Chun Sing CHUI (Research Assistant Professor, Department of Orthopaedics & Traumatology, CUHK) 		
Theme 4: Bridging Education to Clinical Practice and Community Health		
3:35 pm	Creating a Robust Curriculum: from Training Competent General Practitioners to Nurturing Future Orthopaedic Surgeons	Dr Samuel Ka Kin LING (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
3:55 pm	Promoting Awareness of Bone and Spine Health Among Children and Adolescents in Hong Kong	Dr Adam Yiu Chung LAU (Clinical Assistant Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
4:15 pm	Fracture Workshop for Nurses – from Education to Clinical Service	Ms Wing Kun LAI (Advanced Practice Nurse (Preceptor), Department of Anaesthesia, Pain and Perioperative Medicine, Prince of Wales Hospital)
4:35 pm	Intersection of Technology and Surgical Education – Future of Orthopaedic Learning Centre	Dr Sheung Wai LAW (Director of Orthopaedic Learning Centre, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong; President, The Hong Kong College of Orthopaedic Surgeons)
4:55 pm	Closing Remarks	Dr Ronald Man Yeung WONG (Clinical Associate Professor, Department of Orthopaedics & Traumatology, The Chinese University of Hong Kong)
5:00 pm	End of Conference	



Professor Ping Chung LEUNG

Emeritus Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Professor LEUNG Ping Chung is Emeritus Professor of Orthopaedics & Traumatology, Faculty of Medicine; Director of Centre for Clinical Trials on Chinese Medicine, Institute of Chinese Medicine; Director, The Hong Kong Jockey Club Centre for Osteoporosis Care and Control, The Chinese University of Hong Kong, 1996-2013; Director, State Key Laboratory of Research on Bioactivities and Clinical Applications of Medicinal Plants, The Chinese University of Hong Kong; Hong Kong Ambassador, Metronomics Global Health Initiative since 2016. He is also the Past President of the International Research Society of Orthopaedic Surgery and Traumatology (SIROT), 2002-2013.

Professor LEUNG's research areas including Orthopaedics, Osteoporosis, Microsurgery, Public Health, Traditional Chinese Medicine and General Education. He is also the author of over 800 scientific manuscripts in journals and 27 books. Professor LEUNG has been appointed as editor of 11 International Journals since 1982. He is trying hard to develop a research methodology basing on modern clinical science requirements, to modernize on Traditional Chinese medicine. Currently he is working on projects related to cancer, aging and neurodegeneration, which initiated his enthusiasm searching for wisdom from other well established traditional medicine regions in the Middle East and South Asia.



Professor Philip Wai Yan CHIU

Dean
Faculty of Medicine
The Chinese University of Hong Kong

Professor Philip Wai Yan CHIU is currently the Dean of the Faculty of Medicine, Shun Hing Education and Charity Fund Professor of Robotic Surgery, Professor of Division of Upper GI and Metabolic Surgery, Director of Multi-Scale Medical Robotics Center, Director of Endoscopy Center and Institute of Digestive Disease of The Chinese University of Hong Kong. He is a member of the Steering Committee of Health and Medical Innovation Development of the Health Bureau of HKSAR Government, a member of Hospital Authority Board, and served as the President of Endoscopic and Laparoscopic Surgeons of Asia (ELSA) from 2021-2023.

Professor CHIU graduated from the Faculty of Medicine, The Chinese University of Hong Kong in 1994 with two scholarships. He became a fellow of the Royal College of Surgeons of Edinburgh (General Surgery), Hong Kong Academy of Medicine in 2001, and received his Doctor of Medicine from CUHK in 2009. Professor Chiu was the first to perform endoscopic submucosal dissection (ESD) for treatment of early GI cancers in Hong Kong in 2004. In 2010, he performed the first Per-oral Endoscopic Myotomy (POEM) in Hong Kong. He pioneered the world's first robotic gastric ESD in 2011, followed by the world's first robotic colorectal ESD in 2020. His research interests include esophageal cancer management, minimally invasive and robotic esophagectomy, novel endoscopic technologies for diagnosis of early GI cancers, endoscopic surgery as well as robotics for endoluminal surgery. He has published near 400 peer-reviewed manuscripts and 6 book chapters, and is currently a co-editor of Endoscopy. He has received numerous prestigious awards including State Scientific Technology and Progress Award from the People's Republic of China in 2007, and 2nd class award in Technological Advancement, Ministry of Education of the People's Republic of China 2011. His research on POEM was awarded best of DDW 2011 and first prize of ASGE World Cup of Endoscopy 2012. He was awarded the Asia Pacific Digestive Week JGHF Emerging Leader Lectureship and named a Global Outstanding Chinese Youth in 2016. He received two Gold Medals with Congratulations of Jury at the International Exhibitions of Inventions of Geneva (2019, 2023) and the Spirit of Hong Kong Award on Innovation in 2020. In 2023, he was bestowed Honorary Membership of the European Association of Endoscopic Surgery and the Karl-Storz-Harold Hopkins Golden Telescope Award at the Hamlyn Symposium on Medical Robotics by Imperial College London.



Professor Shekhar KUMTA

Professor
Department of Surgery
The University of Melbourne and Northern Hospital
Australia

Emeritus Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Professor Shekhar KUMTA is currently the Academic Lead and Professor of Surgery at the University of Melbourne, Australia where he is actively pursuing research interests and is involved with helping the reorganization of research activities at the Northern Hospital.

Professor KUMTA completed his MBBS at the Lokmanya Tilak Municipal Medical College, under the auspices of the Bombay University, in Mumbai India, in 1980. He did his Orthopedic training under the leadership of Prof. Nandu Laud, at the Lokmanya Tilak Medical College and Municipal General Hospital, and was awarded the Master of Orthopedic Surgery (M.S.) in 1984. He then developed a niche in Trauma care, with exceptional experiences in major pelvic and extremity trauma.

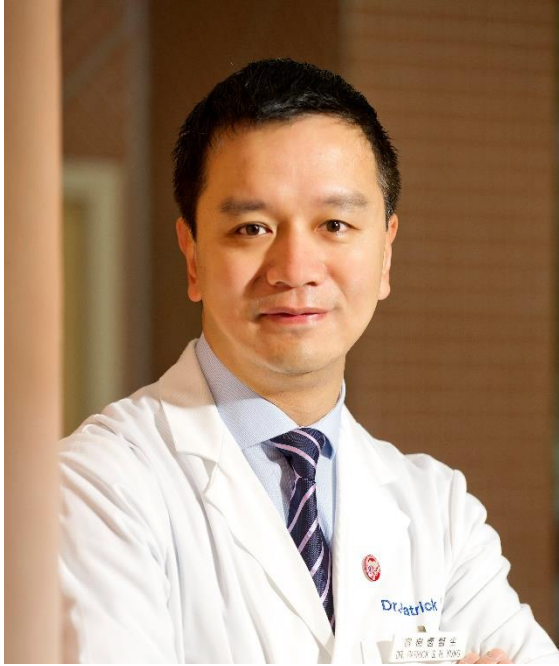
Shekhar was also mentored by the well-known doyen of Hand Surgery in India, Dr BB Joshi. It was Dr Joshi who introduced him to Hong Kong in 1984 following which he was given the opportunity to work with Prof PC Leung as a visiting lecturer in Hand Surgery, at the Prince of Wales Hospital.

Shekhar has contributed extensively towards the development of Oncologic services in Hong Kong. He was also responsible for establishing the Tissue Bank at the Prince of Wales Hospital and developed collaborative research with local, regional and international institutions.

Shekhar's interests in Oncologic reconstructive surgery and the molecular histogenesis of Giant Cell Tumor of Bone have given him a niche area of research – particularly in Giant Cell Tumor of Bone

He has pioneered the techniques of joint-sparing resections in children and opened the pathways for the future development of navigation surgery. Prof Kumta completed his tenure at The Chinese University of Hong Kong after 33 years of service and remains as Professor Emeritus at the university in recognition of his contributions.

Shekhar retains a strong interest in education and in the professionalism of medical students and trainees in surgery. He has received numerous awards and recognition for his contributions towards teaching.



Professor Patrick Shu Hang YUNG

Clinical Professor and Chairman
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Professor Patrick Shu Hang YUNG is the Chairman of the Department of Orthopaedics and Traumatology, Associate Dean (Mainland Affairs), Faculty of Medicine, The Chinese University of Hong Kong (CUHK), focusing on Orthopaedics sport medicine and arthroscopy surgery. He serves as the leader of a lot of international & local centres of sports medicine & health science, including being the Past President of the Asian Federation of Sports Medicine (AFSM), Past President of the Hong Kong Association of Sports Medicine & Sports Science (HKASMSS), also as the Past President of the Hong Kong College of Orthopaedic Surgeons. He is also the Director of the Hong Kong Centre of Sports Medicine and Sports Science, The Hong Kong Jockey Club Sports Medicine and Health Sciences Centre, and the Centre of Neuromusculoskeletal Restorative Medicine (CNRM) of InnoHK cluster research centres.

Professor YUNG leads a team of CUHK researchers devoted to making advances in sports medicine and arthroscopy surgery. He has published over 180 scientific papers in international journals, contributing significantly to the establishment of Hong Kong's leading position in sports medicine. As the head of the first ever Master Course in Sports Medicine & Health Science in Hong Kong & Asia, he has helped train over 1000 medical professionals in the field of sports medicine since 2005. He also conducted hundreds of training courses to teach people ranging from amateur sports lovers to medical professionals about the management of sports injuries, from delivering emergency care on the field to the treatment and rehabilitation of injuries.

Professor YUNG is also committed to delivering medical services in amateur and professional sports communities in Hong Kong, China & overseas. As Medical Consultant for the Hong Kong Sports Institute, he has been volunteering his services for athletes of Hong Kong's elite sports teams and has been holding a weekly clinic at the Hong Kong Sports Institute since 2001. Since 2003, he has been acting as Team Physician for Hong Kong teams competing in several major international tournaments. In his capacity of Chairman of the Community Sports Committee and Chairman of the Student Sports Activities Co-ordinating Sub-committee of The Government of HKSAR as well as in his functions of Member of the Sports Commission of the Government of HKSAR, Professor YUNG advises the Hong Kong government on strategies and initiatives aimed at promoting community participation in sports, particularly in schools. He also works on fostering partnerships between different sectors of the community to promote major community sports programmes, develop territory-wide community sports facilities and improve existing sports facilities.



Professor Jack Chun Yiu CHENG

Emeritus Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong)

Professor Jack Chun Yiu CHENG is the Emeritus Professor and former Choh-Ming Li Professor of the Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong (CUHK). He joined CUHK and Prince of Wales Hospital in 1983 and had served as Chairman of the Department of Orthopaedics and Traumatology for over 10 years (1997-2002, 2013-2018), Sub-Dean (Medical Education) and Associate Dean (Education) of the Faculty of Medicine, University Dean of Students and Pro-Vice-Chancellor (2002-2012) and awarded the prestigious Honorary Fellow of CUHK (2023). He has also appointed as member of University Grants Committee (2008-13) and lately as member of the Research Grant Council (2014-16).

Professionally, Professor CHENG was the Foundation Fellow of the CSHK, HKCOS, HKAM, President of the HKSSH (1990-92), President of the Hong Kong Orthopaedic Association (1995-96), Council Member of the HKCOS (1995-2002), Hon Treasurer of HKCOS (1998-2000) and member of the Board of Examiner since inception of the Exit examination. He was also Fellow and member of over 20 local and prestigious international professional and medical organisations including e.g. the POSNA, SRS, IFPOS, IRSSD, APOA and the IPOTT (International Paediatric Orthopaedic Think Tank).

Professor CHENG is a paediatric orthopaedics specialist with special research interests in the etiopathogenesis of adolescent idiopathic scoliosis, congenital muscular torticollis, bone mineral and bone health research and biomaterial basic science and applied studies. He was the former Co-Director of the Joint Scoliosis Research Centre of CUHK and Nanjing University and has been appointed Honorary Consultant in Paediatric Orthopaedics in HK Hospital Authority since 1992.

Professor CHENG has over 480 publications in peer-reviewed international journals (with an H index of 61 and Scopus total citation of 15,000), 1296 conference presentations, contributed to 22 book chapters and received more than 52 research related awards. He has served on the editorial boards and as reviewer of over 20 international professional journals.



Professor Hamish SIMPSON

Professor and Head
Department of Orthopaedics and Trauma
University of Edinburgh
United Kingdom

Professor Hamish SIMPSON is Professor of Orthopaedics and Trauma, and Consultant Orthopaedic Surgeon in the Department of Orthopaedic Surgery at the University of Edinburgh, specialising in limb reconstruction, musculoskeletal infection and paediatric deformity. He is president of the Combined Services Orthopaedic Society and past president of the Scottish Committee for Orthopaedics and Trauma, the British Limb Reconstruction Society, the Association of Professors of Orthopaedic Surgery, and of the British Orthopaedic Research Society. He has a research interest in stem cells for musculoskeletal repair, musculoskeletal infection, novel cutting methodologies and impaired bone healing.



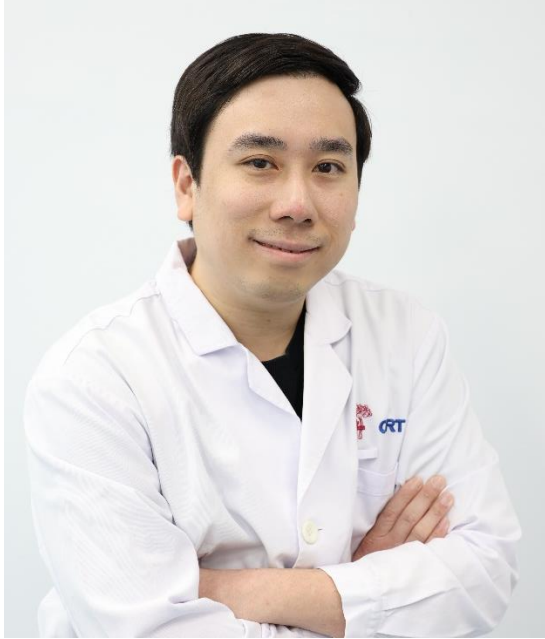
Professor Guoxian PEI

Chair Professor
School of Medicine
Southern University of Science and Technology
China

Professor Guoxian PEI is a chief physician and doctoral supervisor, serving as a Chair Professor at the Southern University of Science and Technology School of Medicine, the Director of the Guangdong-Hong Kong-Macao Intelligent Medical Innovation Research Institute, and the Director of the Clinical Transformation Frontier Center at Southern University of Science and Technology.

Professor PEI is a pioneer in digital orthopaedics in China and the first person in Asia to perform allograft limb transplantation. He has long been dedicated to basic and clinical research on bone regeneration and repair through tissue engineering, accumulating extensive achievements and experience in intelligent and digital medicine and regenerative medicine. He has led 16 research projects, including national 863 and 973 programs, key projects of the National Natural Science Foundation, and military outstanding youth projects.

As the primary contributor, Professor PEI has received the He Liang He Li Foundation Science and Technology Progress Award (2023), the First Prize of the National Science and Technology Progress Award (2020), the Second Prize of the National Science and Technology Progress Award (2002), and four First Prizes at the provincial (military) level. He has published 324 papers as the first or corresponding author, including 102 papers in SCI journals.



Dr Elvis Chun Sing CHUI

Research Assistant Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Professor Elvis Chun Sing CHUI focuses on Computer-assisted surgical planning and development of novel technologies in the Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong with 14 published peer-reviewed manuscripts and 12 approved research grants and contracts as PI and Co-I. He is also the Honorary Advisor by the Hospital Authority to educate and train the entire 3D printing team and surgeons for surgery 3D planning, patient specific instrument design and 3D printing operations. He has assisted in surgery planning and provided intra-operative support for navigation guided surgeries for more than 10 years and more than 400 cases. Besides, he has been the manager of the Computer Aided Surgical Modeling (CASM) Laboratory since 2013. He has also been providing critical assistance for the department in 3D planning, 3D designing and 3D printing for more than 300 surgery cases. He was invited by the Hospital Authority NTEC to the “Working Group on 3D Printing” in 2021 March to help establishing the 3D printing service in NTEC utilizing his fruitful experience in medical 3D printing.

Dr. CHUI is specialized in research translation. He has been granted for 4 competitive grants, 2 non-competitive grants and 3 research contracts. He has pursued 7 international and local patents derived from the funded projects including robotics system, prosthesis and innovative treatment methodology. He was also the winner of the Dr. Yeung Sai-Hung Trophy in the 39th Annual Congress of Hong Kong Orthopaedic Association, representing the Best Paper Award in the Adult Joint Replacement Chapter.



Dr Alec Lik Hang HUNG

Consultant
Department of Orthopaedics and Traumatology
Prince of Wales Hospital

Dr Alec Lik Hang HUNG is the Consultant and Team Head of Paediatric Orthopaedics in the Department of Orthopaedics and Traumatology, Prince of Wales Hospital. He also serves as an Honorary Clinical Associate Professor in the Department of Orthopaedics and Traumatology at The Chinese University of Hong Kong. He obtained his specialized accreditation (FRCS(Ed) in Orthopaedics in 2012. He has trained overseas several renowned centers including International Limb Lengthening Center, Sinai Hospital (Baltimore) and Children Hospital Los Angeles, U.S. in 2016. He is known for his subspecialty in paediatric spinal deformity, limb lengthening and reconstruction surgery in both congenial and acquired conditions including congenial limb deficiency, skeletal dysplasia, neuromuscular and metabolic disorders. Dr HUNG was selected to represent Asia-Pacific in the 2018 APPOS-POSNA Traveling Fellowship.

Dr HUNG has special interest in advanced technologies as computer assisted approach in paediatric orthopaedics with application of navigation, 3D printing technique in complex spinal and limb deformity reconstruction surgery. He developed the novel technique as thumb ossification composite index (TOCI) to predict maturity and as prognostic model in management of adolescent idiopathic scoliosis.

Dr Alec HUNG is the current President of Paediatric Orthopaedic Chapter, Hong Kong Orthopaedic Association; Member of the Chinese Speaking Orthopaedic Society, the National delegate for Hong Kong, Asia Pacific Paediatric Orthopaedic Society and Affiliate Member of Paediatric Orthopaedic Society of North America (POSNA).



Dr Michael Chu Kay MAK

Consultant
Department of Orthopaedics and Traumatology
Prince of Wales Hospital

Dr Michael Chu Kay MAK currently holds the position of Consultant in the Department of Orthopaedics and Traumatology at Prince of Wales Hospital. He also serves as an Honorary Clinical Associate Professor in the Department of Orthopaedics and Traumatology at The Chinese University of Hong Kong, a position he has held since 2020.

Dr MAK focuses on medical research has made a lot of contributions to the field. His work in personalized medicine revolutionized disease diagnosis and treatment, leading to improved patient outcomes. He has received numerous awards in orthopaedics and traumatology, including Best Paper in Paediatric Orthopaedics, a Certificate of Merit for a presentation on ambulatory upper limb surgery, an Outstanding Teams Award for his contributions to the Hospital Replantation Team, a Hand and Wrist Biomechanics International scholarship award, and a Best Paper Award for his research in thumb duplication reconstruction.



Dr Yu WANG

Associate Professor and Assistant Dean
School of Biological Science and Medical Engineering
Beihang University
China

Dr Yu Wang is an Associate Professor & Assistant Dean of the School of Biological Science and Medical Engineering, Vice Director of Medical Device Research Institute and Director of Zhongguancun Open Laboratory of Medical Devices and Rehabilitation Technical Aid at Beihang University.

Dr WANG participated in the development of the first orthopedic surgical robot system of China, completed the first domestic robot-assisted orthopedic surgery and the first remote orthopedic surgery. This achievement has successfully achieved industrial transformation. It became the first orthopedic surgical robot that has obtained NMPA product registration. This robot system has been widely used in more than 50 hospitals for more than 10,000 orthopedic cases all around China. He jointly applied for the Hong Kong Innovation Technology Fund project and developed the active and passive hybrid orthopedic surgical robot with The Chinese University of Hong Kong. The system has been successfully applied in clinical practice and has been granted the US patent. He participated in the NIH RO1 project of the United States, and cooperated with Johns Hopkins University to carry out the research on hard tissue cutting technology based on continuum robot, and the related results were jointly published at the top international conference of robotics and biomedical Engineering.

In 2017, Dr WANG founded Beijing Rossum Robot Technology Co. Ltd. Rossum Robot developed the first intelligent fracture reduction robot system in the world, and get NMPA approval as innovative medical device in 2023.



Dr Kwok Chuen WONG

Consultant
Department of Orthopaedics and Traumatology
Prince of Wales Hospital

Dr Kwok Chuen WONG is the Consultant and Chief of Orthopaedic Oncology in the Department of Orthopaedics and Traumatology, Prince of Wales Hospital. He also serves as an Honorary Clinical Associate Professor in the Department of Orthopaedics and Traumatology at The Chinese University of Hong Kong.

Dr WONG has specialised in orthopaedic oncology since 2004 with a research interest in applying advanced technology in orthopaedics. He is one of the pioneers in developing computer navigation and 3D printing applications in orthopaedic oncology surgery and has extensively published in this field. He has expertise in complex limb reconstruction in orthopaedic oncology and extreme orthopaedics. Other research interest includes management of giant cell tumour of bone and outcomes of tumour prostheses.



Dr Michael Tim Yun ONG

Clinical Assistant Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Dr Michael Tim Yun ONG joined the Department of Orthopaedics and Traumatology, The Chinese University of Hong Kong as a Clinical Assistant Professor in October 2018. He obtained his MBChB degree with an Intercalated BSc degree in Genetics from The University of Leicester, United Kingdom. Dr ONG joined the Department of Orthopaedics and Traumatology of the New Territories East Cluster in 2010 and he received his training in Orthopaedics at the Prince of Wales Hospital and the Alice Ho Miu Ling Nethersole Hospital. He obtained his MSc of Sports Medicine and Health Science from The Chinese University of Hong Kong in 2012 and completed his specialist training in 2014.

Given his surgical expertise in ACL reconstruction and joint replacement, Dr ONG is interested in basic and clinical research related to the bone tendon junction healing of ACL graft and improving surgical outcomes for joint replacement patients. In addition, Dr ONG is interested in the application of artificial intelligence to the prevention, diagnosis, and management of knee osteoarthritis. Dr ONG also has an active interest in regenerative medicine research, including the use of biomaterials and tissue engineering approaches to optimize treatments and reduce recovery time. He has authored over 50 papers in numerous international journals and has been invited to present at numerous local and overseas conferences.

In addition to his clinical activities, Dr ONG is active in education and community outreach. He is the Deputy Director of MSc in Musculoskeletal Medicine, Rehabilitation and Geriatric Orthopaedics Programmes. He is committed to promoting sports medicine education and is an active speaker in many public outreach events.



Dr Raymond Chung Wai WAN

Resident Specialist
Department of Orthopaedics and Traumatology
Prince of Wales Hospital

Dr Raymond Chung Wai WAN is a Resident Specialist of the Department of Orthopaedics and Traumatology at Prince of Wales Hospital. He also serves as an Honorary Associate Professor in the Department of Orthopaedics and Traumatology at The Chinese University of Hong Kong. He is a Fellow of the Hong Kong Academy of Medicine, Hong Kong College of Orthopaedic Surgeons and the Royal College of Surgeons of Edinburgh.

Dr WAN is a spine surgeon who is interested and experienced in adult and paediatric spine surgery including spinal deformity, adolescence idiopathic scoliosis, degeneration and various spine conditions. He is interested in minimal invasive spine surgery development which is the hotspot of spine surgery. He was awarded the Spine Chapter and Paediatrics Chapter Best Paper Award in Hong Kong Orthopaedics Association Annual Congress. He is the section editor of Journal of Orthopaedics, Trauma and Rehabilitation (official journal of the HKCOS and HKOA).



Dr Samuel Ka Kin LING

Clinical Assistant Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Dr Samuel Ka Kin Ling is a Clinical Assistant Professor of the Dept of Orthopaedics and Traumatology, The Chinese University of Hong Kong. He obtained his Bachelor of Medicine and Bachelor of Surgery degree from The Chinese University of Hong Kong and his Master of Surgery degree from the University of Edinburgh. He is a Fellow of the Hong Kong Academy of Medicine, Hong Kong College of Orthopaedic Surgeons and the Royal College of Surgeons of Edinburgh.

Dr LING was awarded the SH Ho Visiting Professorship to Stanford University, and his research has won numerous awards, including a Gold Medal at the International Exhibition of Inventions Geneva. He has trained with Dr TH LUI at the North District Hospital (HK) and overseas with Dr Ferkel at the Southern California Orthopedic Institute (Los Angeles, USA), Dr de PRADO at the FIFA Medical Centre of Excellence (Murcia, Spain), Prof HINTERMANN at the Kantonsspital Baselland (Liestal, Switzerland), Dr VEGA / Dr RABAT at the University of Barcelona / Hospital Quiron (Barcelona, Catalonia) and Jishuitan Hospital (Beijing, China).

He is the current President of the Hong Kong Foot and Ankle Society, President of the Hong Kong Orthopaedic Association Foot and Ankle Chapter, Editor-in-Chief of the Journal of Orthopaedics, Trauma and Rehabilitation (official journal of the HKCOS and HKOA).

Dr LING has presented over 100 papers/lectures at international conferences and published over 50 journal articles and textbook chapters.



Dr Adam Yiu Chung LAU

Clinical Assistant Professor
Department of Orthopaedics and Traumatology
The Chinese University of Hong Kong

Dr Adam Yiu Chung LAU is a Clinical Assistant Professor in the Department of Orthopaedics and Traumatology at The Chinese University of Hong Kong. He obtained his Bachelor of Medicine and Bachelor of Surgery, with an Intercalated Bachelor of Science degree in Orthopaedic Science from the University College London Medical School in United Kingdom. He is a Fellow of the Royal College of Surgeons of Edinburgh, the Hong Kong College of Orthopaedic Surgeons, and the Hong Kong Academy of Medicine. He was honoured with the Sir Harry Fang Gold Medal from the Hong Kong College of Orthopaedic Surgeons and awarded as a Distinguished Young Fellow in the Hong Kong Academy of Medicine.

Dr LAU is a paediatric orthopaedic specialist with special interests in Adolescent Idiopathic Scoliosis, bone health, and related research. He was awarded the Best Paper in the Paediatric Orthopaedic Chapter at the Hong Kong Orthopaedic Association Annual Congress and has been invited as an overseas ambassador for his award-winning research presentation. Additionally, he actively teaches medical students, postgraduate students, visiting fellows and orthopaedic trainees, and is committed to promoting awareness of bone and spine health among children and adolescents in Hong Kong.



Ms Wing Kun LAI

Advanced Practice Nurse (Preceptor)
Department of Anaesthesia
Pain and Perioperative Medicine
Prince of Wales Hospital

Ms Wing Kun LAI has worked as a Registered Nurse for 37 years. She has over 30 years of service experience in Operating Theatre of Prince of Wales Hospital. In 2024, she takes up a new position as an Advanced Practice Nurse (Preceptor) at the Department of Anaesthesia, Pain and Perioperative Medicine of Prince of Wales Hospital. She will contribute her robust knowledge and experience in nurturing young generations in the nursing profession.



Dr Sheung Wai LAW

Clinical Professional Consultant & Director of OLC
Department of Orthopaedics & Traumatology
The Chinese University of Hong Kong

President
The Hong Kong College of Orthopaedic Surgeons

Dr Law is a Clinical Professional Consultant, Professor of Practice in Orthopaedics and Traumatology (by courtesy) and the Director of Orthopaedic Learning Centre in the Department of Orthopaedics and Traumatology, and Assistant Dean of the Health System of the Faculty of Medicine at The Chinese University of Hong Kong. He was appointed as Honorary Chief-of-Service of the Department of Orthopaedics and Traumatology at Alice Ho Miu Ling Nethersole Hospital as well as Honorary Chief-of-Service of the Department of Orthopaedic Rehabilitation at Tai Po Hospital. Currently, he holds the position of President at The Hong Kong College of Orthopaedic Surgeons.

Dr Law graduated from the Chinese University of Hong Kong and received his MBChB in 1993. After finishing his fellowship training in Orthopedic Surgery, he pursued postgraduate qualifications in various fields of medicine. He obtained Master of Occupational Medicine, Master of Science in Epidemiology and Bio-statistics, Postgraduate Diploma in Clinical Gerontology, Master of Science in Health Services Management from the Chinese University of Hong Kong.

His professional interests include Orthopedic Rehabilitation-coordination of care for elderly with fragility fractures, management of osteoporosis, work rehabilitation and return to work management for injured workers, rehabilitation technology and spine surgery.

Besides sharing his expertise at conferences, he continues to excel his project leading skills in various education and training programmes for medical and allied health professionals. His latest initiative is to implement training in advanced medical technology in Mainland China including musculoskeletal ultrasound and robotic rehabilitation.

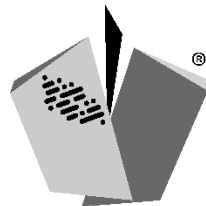
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