

Programme in Detail

Saturday, 1 November 2025

Time	Room	Topic (Moderators)	Speakers / Presenters
07:30 – 10:00	S221	Free Paper Session I: Trauma (Felix LEUNG, Raymond Wai Kit NG)	
1.1		3D-guided navigation percutaneous screw fixation for displaced pelvi-acetabular fractures	Adrian Bing Fung Ang
1.2		Prediction of incident fragility fracture using high-resolution peripheral quantitative computed tomography: an 8-year follow-up study in Hong Kong	Zoey Tsz Lok Tsang
1.3		Retrospective comparison between helical blade and screw in geriatric hip fracture fixation with cephalomedullary devices	Man Kit Ho
1.4		Prevalence, risk factors, prediction of robust callus formation and accelerated fracture healing in patients with traumatic brain injury: a 5-year study	Zhengming Shan
1.5		Surgeon-administered regional anaesthesia for ankle fracture fixation	Chun Lok Chow
1.6		Intra-operative intra-articular cocktail injection for patella open reduction and internal fixation: a single-centre, double-blind, randomised controlled trial	Johnson Pok-Him Tam
1.7		Automated prediction of bone mineral density and T-score from radiographs via deep learning: a multi-centre study	Chun Sing Chui
1.8		Patients' decision-making delay prolongs surgical waiting time among older adults with hip fractures: a retrospective cohort study	Zihong Lin
1.9		Territory-wide comparative analysis of all-cause mortality in geriatric patients with hip fractures, femoral shaft fractures, and distal femur fractures: a retrospective cohort study	Ho Yin Raymond Kwok
1.10		Does outcomes at the first follow-up predict outcomes in subsequent follow-ups in patients with wrist fracture: prospects in reducing future outpatient visits	Ho Yin Raymond Kwok
1.11		Automated 3D bone defect reconstruction using UNet_selfNet: a multicentre AI validation study	Ericsson Chun Hai Fung
1.12		Pericapsular nerve group analgesia by indwelling catheter to facilitate rehabilitation after intertrochanteric hip fracture fixation: a pilot study	Florence Ou Suet Pang
1.13		Comparative evaluation of large language models for hip fracture-related patient questions: DeepSeek-V3-FW, Gemini 2.0 Flash, and ChatGPT-4.5	Hong Tao
1.14		Implant innovation or illusion? A critical analysis of cut-out risk reduction in osteoporotic bone	Wai Kiu Thomas Liu
1.15		Performance of large language models in sarcopenia-related patient queries: a comparative study of ChatGPT4.5, Deepseek-V3, and Gemini 2.0	Huang Tao
1.16		Hip fracture surgery delayed by operating room capacity is an independent risk factor for 120-day mortality (<i>British Orthopaedic Association Ambassador Paper</i>)	Paul Lambton Rodham

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07:30 – 10:00	S225	Free Paper Session II: Paediatric Orthopaedics I (Janus Siu Him WONG, Lucci Lugee LIYEUNG)	
2.1		Bone healing is delayed in osteogenesis imperfecta patients with WNT1 and COL1A1 mutations	Ivan Suet-nam Cheung
2.2		Are patients with Down syndrome at risk of residual acetabular dysplasia at skeletal maturity? A multicentre radiographic study	Yuk-heng Tang
2.3		Helmet therapy for deformational plagiocephaly: a single centre's experience	Adora Sum Yuet Ching
2.4		Trigger thumbs in the paediatric population: changes in the last 40 years	Wen Ching Jeannette Ting
2.5		Contributing factors of coxa vara development after femoral osteotomy in patients with osteogenesis imperfecta	Daniel Li-Liang Lin
2.6		Comparison of skeletal age and chronological age in Hong Kong Chinese population using the Greulich and Pyle method and the Tanner and Whitehouse 3 method	Ka Man Sally Lau
2.7		Prevalence of coxa vara among patients with osteogenesis imperfecta	Brian Xiongyuan Xie
2.8		Outcomes of children treated for non-traumatic avascular necrosis of the femoral head	Merilyn Sik-yu Wong
2.9		Is leg length discrepancy in childhood associated with long leg acetabular dysplasia at skeletal maturity? A follow-up study up to skeletal maturity	Satoshi Yoshida
2.10		Femoral head avascular necrosis risk is low among osteogenesis imperfecta patients undergoing orthopaedic surgery involving anterograde femoral intramedullary fixation: a multicentre cohort	Patrick Pak-ching Chu
2.11		Epidemiology and mid-term follow-up of slipped capital femoral epiphysis in Hong Kong	Yau Mei Cheung
2.12		Long term outcomes of hip salvage procedures at a mean of 16-year follow-up	Yeh Joon Park
2.13		Radiographic acetabular development in patients with FGFR3 disorders	Bernard Mong-hei Chan
2.14		'Rule of thumb' arithmetic method with bone age is most accurate in predicting limb length discrepancy at skeletal maturity after epiphyseodesis	Denise Danyi Huang
2.15		Significant discrepancies between bone age and chronological age among Hong Kong children undergoing growth modulation surgeries	Chak-bong Hui
2.16		Assessing the effects of upper limb casting on Chinese handwriting in primary students in Hong Kong	Chi Lap Yam
2.17		Dangling extra thumbs: is excellent outcome guaranteed after simple excision?	Man Chun Tsang
2.19		Congenital knee dislocation: a series of successful conservative treatment (<i>Malaysian Orthopaedic Association Ambassador Paper</i>)	Syed Mohd Esmat Hussaini B Syed Mohd Ridzuan

Time	Room	Topic (Moderators)	Speakers / Presenters
07:30 – 10:00	S226	Free Paper Session III: Spine (Ho Lam CHAI, Carmen KUNG)	
3.1		Comparison of effectiveness of pedicle screw with polyaxial/monoaxial conversion capabilities with conventional pedicle screws in the reduction of focal kyphosis of burst fracture	Yu Chung Wong
3.2		Efficacy and complications of unilateral biportal endoscopic lumbar spine surgery: clinical results for 293 patients	Wing Ngai Yim
3.3		Cervical vertebral maturation method for staging skeletal growth and curve progression in patients with adolescent idiopathic scoliosis	Samuel Tin Yan Cheung
3.4		Unilateral biportal endoscopy versus open microscopic approach for lumbar spinal stenosis: a comparative case series	Timothy Aaron Kuan
3.5		A bedside comprehensive assessment tool for assessing degenerative cervical myelopathy	Karlen Ka Pui Law
3.6		Efficacy of erector spinae block in wound pain control following unilateral bi-portal endoscopic surgery for lumbar spinal stenosis: a prospective cohort study	Cheuk Yin Tam
3.7		Efficacy analysis of separation surgery combined with stereotactic body radiotherapy in spinal metastasis: a two-centre study	Wai Him Lam
3.8		Early experience with a fully automated robotic arm navigation system in the first 20 cases of lumbar spinal fusion	Cheung Hing Eric Lam
3.9		Accuracy of pedicle screw insertion in initial 20 lumbar spine fusion cases using a fully automated robotic arm navigation system	Cheung Hing Eric Lam
3.10		Clinical significance of Schroth scoliosis-specific exercises during bracing in adolescent idiopathic scoliosis: a prospective, randomised clinical trial	Yat Hong Kenny Kwan
3.11		Curve undercorrection is predictive of postoperative distal adding-on in flexible Lenke 1AR curves	Victoria Yuk Ting Hui
3.12		Morphological analysis of upper lumbar pedicles in a southern Chinese population using computed tomography	Ka Yin Matthew Yan
3.13		Efficacy of preoperative morphological measurement of contralateral facets, lamina, and spinous process in reducing the incidence of excessive bone resection in unilateral biportal endoscopy for lumbar spinal stenosis	Hon Chun Chong
3.14		Low-dose chest computed tomography for bone mineral density screening: a study based on European Spine Phantom models	Mian Huang
3.15		Prediction of osteoporotic vertebral compression fracture using phantom-less quantitative abdominal computed tomography	Mian Huang
3.16		Fully automatic regional bone mineral density measurement of lumbar endplates and adjacent vertebral bone by phantom-less quantitative computed tomography	Mian Huang
3.17		Femoral and tibial length growths were not predictive of curve progression in adolescent idiopathic scoliosis	Kee Lok Fong
3.18		Prediction of scoliosis progression using longitudinal radiographs and attention-based long short-term memory networks	Elvis Chun Sing Chui
3.19		T4-L1-hip axis is not correlated with long term health related outcomes after fusion for adolescent idiopathic scoliosis	Fai Suen Bernice Chan
3.20		Caregiver burden in adolescent idiopathic scoliosis: a prospective study of rising stress and falling overprotection	Chak Yan Calvin Cheng
3.21		Racial differences in whole-body sagittal alignment between Asians and Caucasians based on international multicentre data (<i>Japanese Orthopaedic Association Ambassador Paper</i>)	Jun Ouchida

Time	Room	Topic (Moderators)	Speakers / Presenters
07:30 – 10:00	S227	Free Paper Session IV: Adult Joint Reconstruction I (Gerry HO, Hoi Yeung IP)	
4.1		Factors affecting cementless femoral stem alignment in direct anterior approach hip arthroplasties: a review of 100 cases	Yan Ting Lam
4.2		Surgical accuracy of implant positioning in robotic-assisted versus conventional total hip arthroplasty: experience of a joint replacement centre in Hong Kong	Chun Lai Wong
4.3		Computer-assisted total hip arthroplasty improves acetabular prosthesis placement accuracy: a multicentre, randomised controlled clinical study in China	Xiao Geng
4.4		Comparison of the outcomes of high tibial osteotomy and unicompartmental knee arthroplasty in patients with bone-on-bone medial tibiofemoral joint osteoarthritis	Cheryl Cheuk Wing Kong
4.5		Functional outcomes comparison: bicruciate-retaining total knee arthroplasty versus fixed- and mobile-bearing unicompartmental knee arthroplasty	Hui Hong Wong
4.6		Unicompartmental knee arthroplasty: an analysis of postoperative alignment and outcome	Siu Nam Jimmy Wong
4.7		Postoperative joint line convergence angle but not coronal plane alignment of knee phenotype affects the high tibial osteotomy midterm outcomes at 5.5-year follow-up	Cham Kit Wong
4.8		Coronal plane alignment of the knee changes in functionally aligned versus mechanically aligned total knee arthroplasty	Chun Ho Lau
4.9		Functional versus mechanical alignment in total knee arthroplasty: a prospective double-blinded superiority randomised controlled trial	Thomas Ka Chun Leung
4.10		Coronal plane alignment changes do not affect in vivo kinematics for robotically performed total knee arthroplasty	Cham Kit Wong
4.11		Applicability of coronal plane alignment of the knee classification in total knee arthroplasty	Chi Kin Lo
4.12		Effect of coronal plane alignment phenotypes on postoperative outcomes following total knee arthroplasty: Hong Kong experience	Alex Yuning Zhang
4.13		Outcome of restricted kinematic alignment technique versus mechanical alignment technique using computer navigation in total knee replacement: a retrospective cohort study	Ghi Ying Jaimie Chan
4.14		Preliminary results of an image-free saw-based robotic knee replacement platform	Amy Cheung
4.15		Inter- and intra-rater reliability of pre-resection ligament tension assessment using a digital tensioner in imageless robotic-assisted total knee replacement	Joshua Sze Jun Chung
4.16		Management for peri-prosthetic hip infections: survivorship and infection recurrence after debridement, antibiotics, and implant retention 1-stage, 1.5-stage, and 2-stage revisions	Michelle Hilda Luk
4.17		The ENDSpacer technique in 1.5-stage and 2-stage revisions for peri-prosthetic hip infections	Michelle Hilda Luk
4.18		Whole body vibration therapy in prehabilitation to enhance physical performance and subjective outcome during total knee replacement journey: a randomised controlled trial	Agnes King Yan Lam
4.19		Enhanced thermal safety in arthroplasty: quantitative assessment of WEREWOLF FASTSEAL 6.0 for total joint replacement procedures	Joshua Sze Jun Chung
4.20		A pragmatic and economical approach to achieving 'greener' knee arthroplasty	Amy Cheung
4.21		Open platform image-based robotic system in total hip and total knee arthroplasties	Wang Fung Rex Mak

Time	Room	Topic (Moderators)	Speakers / Presenters
07:30 – 10:00	S228	Free Paper Session V: Sports Medicine I (Keith Hay Man WAN, Jonathan Patrick NG)	
5.1		Margin convergence is effective in improving symptoms in patients with large-to-massive rotator cuff tear, despite a high chance of full-thickness retear	Wai Pan Yau
5.2		Prevalence of meniscal tears in anterior cruciate ligament-deficient knees: a prospective epidemiological study of 731 cases	Sandra Wan
5.3		Timing of anterior cruciate ligament reconstruction to prevent meniscal tears: a systematic review and meta-analysis	Sandra Wan
5.4		Predictors for graft rupture after anterior cruciate ligament reconstruction: a study of 731 cases with a mean follow-up of 5.5 years	Wai Pan Yau
5.5		Epidemiology of tendinopathy and non-traumatic tendon rupture in Hong Kong: a comprehensive population-based analysis of incidence rates	Kenney Ki Lee Lau
5.6		Pulsed electromagnetic field therapy for patients with mild to moderate knee osteoarthritis: a double-blind, randomised, placebo-controlled trial	Joseph Huai Yu Li
5.7		Comparative efficacy of surgical interventions for irreparable massive rotator cuff tears in the elderly: a systematic review	Chak Yan Calvin Cheng
5.8		Comparative outcomes of all-inside versus traditional anterior cruciate ligament reconstruction: a minimum 4-year matched cohort review	Sammi Wai Sum Wong
5.9		Is patient-specific instrumentation worth the effort in reverse shoulder arthroplasty?	Huk Yin Edwin Cheng
5.10		Outcome of arthroscopic rotator cuff repair in patients with massive rotator cuff tears complicated with pseudoparalysis	Brian Siu
5.11		Comparative effectiveness of surgical versus conservative treatments for rotator cuff tears: a meta-analysis of pain and functional outcomes	Zihong Lin
5.13		How accurate is Blueprint software in predicting range of motion after reverse shoulder arthroplasty?	Geoffrey Tao Ho
5.14		Fluoroscopic analysis of scapulothoracic motion after reverse shoulder arthroplasty	Jonathan Patrick Ng
5.15		Knee biomechanics during single-leg squat at 4 months predicts 1-year functional outcomes after anterior cruciate ligament reconstruction	Wang Fung Rex Mak
5.16		Impact of wedged baseplates on reverse shoulder arthroplasty outcomes: a radiographic and clinical analysis	Ka Ho Jerrick Lee
10:00 – 10:30		Coffee Break / Exhibition	

Time	Room	Topic (Moderators)	Speakers / Presenters
10:30 – 11:45	S221	Opening Ceremony (MC: Florence PANG, Lauren SUN)	
10:30 – 10:40		Welcome Address by HKOA Congress Co-Chairmen	Michael Siu Hei TSE Ronald Man Yeung WONG
10:40 – 10:50		Welcome Address by HKOA President	Kam Kwong WONG
10:50 – 11:05		Speech of the Guest of Honour	Shoichi KOKUBUN
11:05 – 11:30		Presidential Lecture: The art of bone grafting for bone repair	Peter Giannoudis
11:30 – 11:35		Q&A	Moderator: Michael Siu Hei TSE Ronald Man Yeung WONG
11:35 – 11:45		HKOA President to present a souvenir to the guests & group photo	Kam Kwong WONG
11:45 – 12:45	S221	Plenary Session I: HKOA 60th Anniversary – From Roots to Innovative Technologies, Artificial Intelligence & Beyond (Michael Siu Hei TSE, Ronald Man Yeung WONG)	
11:45 – 12:00		Myogelosis: extraordinary magneto-receptive muscles cause a variety of orthopaedic disorders	Shoichi KOKUBUN
12:00 – 12:15		Transforming sport medicine with artificial intelligence: opportunities and challenges	Patrick Shu Hang YUNG
12:15 – 12:30		From regional breakthroughs to worldwide impact: how Hong Kong can contribute to global health innovation	Kenneth Man Chee CHEUNG
12:30 – 12:45		Innovative implants in orthopaedics	Ting LI
12:45 – 13:00		Q&A	
13:00 – 14:00		Lunch / Lunch Symposium	
	S228	Lunch Symposia I (Sponsored by Yuanhua Robotic, Perception & AI Technologies (HK) Limited) Precision outcomes, personalised solutions: harnessing the KUNWU open platform robotic system for augment and complex arthroplasty Robotic arm-assisted hip and knee revision: some experience	Michael Tim Yun ONG Zhuo ZHANG
14:00 – 16:00	S221	Award Paper Session (Michael Siu Hei TSE, Ronald Man Yeung WONG)	
AP01		Prevalence of meniscal tears in anterior cruciate ligament-deficient knees: a prospective epidemiological study of 731 cases	Sandra WAN
AP02		Predictors for graft rupture after anterior cruciate ligament reconstruction: a study of 731 cases with a mean follow-up of 5.5 years	Wai Pan YAU
AP03		Sensory neuron activation by brain-derived nerve growth factor harnesses stem cells to promote bone regeneration after traumatic brain injury	Zheyu JIN
AP04		Factors affecting cementless femoral stem alignment in direct anterior approach hip arthroplasties: a review of 100 cases	Yan Ting LAM
AP05		Using ultrasound to reduce unnecessary X-ray irradiation for screening scoliosis in school children: a diagnostic validation study in 892 participants	Cheuk Kin KWAN
AP06		Triple-hit polydopamine-based dual-enzymatic implant coating with DNase I and lysostaphin for osteoporotic fracture-related infection	Ronald Man Yeung WONG
AP07		Minimising revision: long-term outcome and survivorship of porous tantalum acetabulum components in complex primary and revision total hip arthroplasty: a 10 to 20 year study	Lawrence Chun Man LAU
AP08		Prediction of scoliosis progression using longitudinal radiographs and attention-based long short-term memory networks	Elvis Chun Sing CHUI
AP09		Low-magnitude high-frequency vibration combined with β -hydroxy- β -methylbutyrate treatment to prevents neuromuscular junction degeneration in age-related sarcopenia	Qianjin WANG
AP10		A novel bone microarchitecture phenotyping model for predicting curve progression in adolescent idiopathic scoliosis at the first clinical consultation: a prospective longitudinal study of 292 girls followed up to skeletal maturity	Kenneth G YANG

Time	Room	Topic (Moderators)	Speakers / Presenters
16:00 – 16:30	S221 Foyer	Best Poster Presentation (Kam Lung TUNG)	
BP01		Optimum age for surgery in patients with severe adolescent idiopathic scoliosis: an AI-driven retrospective analysis	Adam Yiu Chung LAU
BP02		Alpha-ketoglutarate as an intermediate in tricarboxylic acid cycle attenuates muscle atrophy in sarcopenic mice	Chaoran LIU
BP03		Short-term effect of pulsed electromagnetic field therapy on hamstring muscle strength after anterior cruciate ligament reconstruction with hamstring autograft: a randomised, double-blind, placebo-controlled, clinical trial	Kenny Ki Lee LAU
BP04		Association of anterior pelvic tilt with curve progression to bracing threshold in patients with mild adolescent idiopathic scoliosis	Vincent Ho Lam WU
BP05		Synthetic dermal substitute for treating lower limb wound infection	Esther Man Wai CHOW
16:00 – 16:30		Tea Break / Exhibition	
16:30 – 18:00	S221	Plenary Session II: Enabling Technology in Orthopaedics (Anderson Siu Ming LEUNG, Jonathan Patrick NG)	
16:30 – 16:50		Synergic effect of spinal cord stimulation and dynamic exoskeleton rehabilitation for severe spinal cord injury with trunk imbalance	Sheng-Tzung TSAI
16:50 – 17:10		Robotic-assisted techniques in peripheral nerve microsurgery	Oscar Su JIANG
17:10 – 17:30		The use of enabling technology in simplifying complex shoulder arthroplasty	Thin HONG
17:30 – 17:50		Technologies enabling precise bone and soft tissue tumour resection: computer navigation	Ying Lee LAM
17:50 – 18:00		Q & A	
16:30 – 18:00	S225	Concurrent Session I: Paediatric Orthopaedics (Arthur King Hay MA, Lucci Lugee LIYEUNG)	
16:30 – 17:00		Managing the surgical vulnerability of neuromuscular children with spine deformity	Michael P KELLY
17:00 – 17:30		Paediatric elbow trauma: the place where your ego goes to die	Chris HARRIS
17:30 – 17:45		Updates of mandatory reporting of child abuse ordinance for orthopaedic surgeons	Evelyn KUONG
17:45 – 18:00		Q&A	
16:30 – 18:00	S227	Concurrent Session II: Adult Joint Reconstruction (Gloria Yan Ting LAM, Kenneth HUI)	
16:30 – 16:45		Surgical approach or assistive technologies which matters more for in hip arthroplasty?	Justin COBB
16:45 – 17:00		The joy of abstracting: rim, point, and column oriented acetabular reconstruction	Yixin ZHOU
17:00 – 17:15		Specialist knee surgeon or ChatGPT: who makes better surgical decisions?	Justin COBB
17:15 – 17:30		Analytical revision total hip arthroplasty for recurrent dislocation	Yixin ZHOU
17:30 – 17:45		Crossfire discussion: Imageless vs image based robotic total knee arthroplasty: is there a winner?	Henry FU Qunn Jid LEE
17:45 – 18:00		Crossfire discussion: Direct anterior approach versus posterior approach in total hip arthroplasty: is the transition justified?	Gloria Yan Ting LAM Amy CHEUNG

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16:30 – 18:00	S228	Concurrent Session III: Trauma (Ronald Man Yeung WONG, Felix LEUNG)	
16:30 – 16:48		The role of coated nails to prevent infection in high-risk tibial fractures: the Leeds experience	Peter GIANNOUDIS
16:48 – 17:06		Customisable surgery for the future	Anna Noel MILLER
17:06 – 17:24		Current concepts in the treatment of fracture-related infections	Michael SCHUETZ
17:24 – 17:42		Failed elbow fracture dislocation	Ting LI
17:42 – 18:00		Q & A	
16:30 – 18:00	S226	Concurrent Session IV: Hong Kong Science & Technology Parks (Richard Hin Lun LEE, Jenny CHEUNG)	
16:30 – 16:43		Surgery in AI era: surgical robots or robotic surgery?	Max QH MENG
16:43 – 16:56		Bone quality: a key factor in orthopaedic surgeries and complications	William W LU
16:56 – 17:09		Advanced polyethylene: innovations shaping the future of arthroplasty	Ling DING
17:09 – 17:22		Patient-specific hologram and X-ray-based surgical navigation	Louis SZE
17:22 – 17:35		3D ultrasound imaging for scoliosis assessment: past, present and future	De YANG
17:35 – 17:48		Generative AI for spine deformity outpatient department: technologies can be transferred to other specialists	Xihe KUANG
17:48 – 18:00		Next generation of orthopaedic implants with biological property: closing the gaps between preclinical and clinical applications	Jerry Jiankun XU
18:00 – 18:30	Corridor	Hong Kong Science & Technology Parks – Matching and Demonstration Session	
18:00 – 18:30	S221	The Hong Kong Orthopaedic Association – Annual General Meeting	
18:30 – 22:00	Chancellor Room, 4/F, Old Wing	Congress Banquet	