

(11 Sep) Advanced Seminar in Orthopaedic Research

PROGRAM RUNDOWN

Time	Topic	Speaker
15:00 - 15:15	Registration/Check-in for participants	
15:15 - 15:30	Staff introduction and RPg event schedule	Dr Siu Wai Choi
15:30 - 15:45	Safety Issues	Ms Kammy Yik
15:45 - 15:51	Mechanistic Study of Polymicrobial Interactions in Chronic Wound Models 4 mins Q&A	KAO Enoch
15:55 - 16:01	Evaluation of an AI-Enhanced Mobile Platform Supporting Home-Based PSSE for Mild Adolescent Idiopathic Scoliosis: A Prospective Multicenter Observational Study 4 mins Q&A	ZHOU Jiuyue
16:05 - 16:11	Deep Learning-Based Morphological Analysis of Lumbar Spine Radiographs and L3 Psoas Muscle Width Measurement for Sarcopenia Assessment 4 mins Q&A	WANG Zhe
16:15 - 16:21	Survival Neural Network-Based Prediction of New-Onset Atrial Fibrillation in Hypertrophic Cardiomyopathy 4 mins Q&A	WU Puzhen
16:25 - 16:40	Afternoon Break (Drinks and snacks served outside the Lecture Theatre)	
16:40 - 16:46	Real-Time T1-L5 3D Spine Reconstruction from Biplanar Radiographs Using Deep Learning and Sliding-Window Mesh Fusion 4 mins Q&A	LU Pengyu
16:50 - 16:56	Photo-Responsive Selenium-Doped Carbon Nitride Nanozyme-Integrated Microneedles for Treatment of Superficial Fungal Infections 4 mins Q&A	WANG Zheng
17:00 - 17:06	Prediction of Osteoporotic Vertebral Compression Fracture using Phantom-less Quantitative Abdominal CT 4 mins Q&A	WU Jianjun
17:10 - 17:16	Redefining Success and Characterizing Mid-Term Growth Modulation After Vertebral Body Tethering 4 mins Q&A	LI Qiuya
17:20 - 17:26	AI-Guided Ranking of Ionizable Lipids for Anti-Aging LNP Discovery 4 mins Q&A	ZENG Yi
17:30 - 17:45	Equal Opportunity Session	Prof. LAM Chor Yin
17:45 - 17:50	e-Poster Award(s) Presentation/ Photo Session	