



ATCCS 2025

BEYOND THE HORIZON

Asia Thoracic Cancer Care Summit



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Dr Joyce Chan is an associate consultant in Cardiothoracic Surgery at Prince of Wales Hospital Hong Kong, and has been working with Professor Calvin Ng in electromagnetic navigation bronchoscopy (ENB)-related procedures. Since April 2019 she has been part of the first team in Asia to pioneer ENB microwave ablation of lung cancers in hybrid operating rooms. Her interests also include robotic lung resection and utilizing AI-assisted segmentation software for complex segmentectomy.

Qualifications and Appointments

MBBS(Hons), the University of Hong Kong

MRCS(HK), MRCS (Edinburgh)

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Associate Consultant, Division of Cardiothoracic Surgery, Prince of Wales Hospital

Honorary Clinical Tutor, the Chinese University of Hong Kong

Key Publications

Chan JWY, Lau RWH, Ngai JCL, Tsoi C, Chu CM, Mok TSK, Ng CSH. Transbronchial microwave ablation of lung nodules with electromagnetic navigation bronchoscopy guidance-a novel technique and initial experience with 30 cases. *Transl Lung Cancer Res.* 2021 Apr;10(4):1608-1622.

Chan JWY, Lau RWH, Chu CM, Ng CSH. Expanding the scope of electromagnetic navigation bronchoscopy-guided transbronchial biopsy and ablation with mobile 3D C-arm Machine Cios Spin®-feasibility and challenges. *Transl Lung Cancer Res.* 2021 Oct;10(10):4043-4046.

Chan JWY, Siu ICH, Chang ATC, Li MSC, Lau RWH, Mok TSK, Ng CSH. Transbronchial Techniques for Lung Cancer Treatment: Where Are We Now? *Cancers (Basel).* 2023 Feb 8;15(4):1068.

Chan JWY, Lau RWH, Chang ATC, Siu ICH, Chu CM, Mok TSK, Ng CSH. Concomitant Electromagnetic Navigation Transbronchial Microwave Ablation of Multiple Lung Nodules is Safe, Time-saving and Cost-effective. *J Thorac Cardiovasc Surgery*, in press, available online Aug 2023