

Clement Chia Luck Khng



Head of Breast Surgery Service and Consultant,
Department of General Surgery, KTPH
Committee Member, Centre of Medical Technology and
Innovations
Founding Member, Geriatric Surgery of Society, Singapore
Adj Assistant Professor, Yong Loo Lin School of Medicine,
NUS
Adj Lecturer, Lee Kong Chian School of Medicine, NTU

Research Interests:

- Medtech and Healthcare Innovations in Breast Surgery
- Breast Cancer in Older Women, Frailty
- Innovations in Patient and Medical Education

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Biography

Clement is Consultant Breast and Endocrine Surgeon with research interest in Breast Cancer in Older Women. He is founding member of the Geriatric Surgery Society of Singapore and was also Guest Editor for a special issue on the Era of Geriatric Surgery published in the Annals Academy of Medicine, Singapore.

Notably, he was awarded National Healthcare Group Clinician Leadership in Research Award and Young Investigator Award in Tokyo, Japan. He is currently Committee Member of Centre of Medical Technology and Innovations and contributes actively to the organization healthcare innovation efforts and also mentor junior colleagues and medical students. He is interested in innovations that increase breast conservation rates in breast cancer as this has been shown to improve patient satisfaction and long-term psychosocial outcomes. He currently holds a patent for specimen holder that enhances intra-operative margins assessment after breast conserving surgery.

In the realm of medical education innovations, his research interest is in innovations that enhance patient education and understanding. He has developed patient education app with industry partners that facilitates ambulatory surgery and currently working on an innovation project that enhances the informed consent process for complex surgical procedures, utilizing concepts of flipped classroom, augmented reality and spaced retention.

Selected Publications

- Woon CY, Goh SSN, Soh LS, Yeo CFC, Ong MW, Wong B, Leong JHT, Goo JTT, Chia CLK. Surgical margins assessment reduces re-excision rates in breast-conserving surgery. Ann Acad Med Singap. 2023 Jan;52(1):48-51. doi: 10.47102/annals-acadmedsg.2021454. PMID: 36730806.
- Chan KS, Chong MTH, Chia CLK, Cheung KL. Revisiting primary endocrine therapy versus surgery in older women with breast cancer: meta-analysis. Br J Surg. 2023 Mar 30;110(4):420-431. doi: 10.1093/bjs/znac435. PMID: 36718056.
- Chia CLK et al. Frailty, Meeting Challenges, and Beyond in Geriatric Surgery—10 Years' Experience From Singapore's First Geriatric Surgical Service Topics in Geriatric Rehabilitation 39(2):p 79-87, April/June 2023. | DOI: 10.1097/TGR.0000000000000394
- Ng DY, Tudor Car L, Ng MJM, Lu J, Leung J, Goo TT, Chia CLK. Identifying barriers to early presentation in patients with locally advanced breast cancer (LABC) in Northern Singapore: Qualitative study. PLoS One. 2021 May 25;16(5):e0252008. doi: 10.1371/journal.pone.0252008. PMID: 34032802.
- Chia CL, Tan KY. The Era of Geriatric Surgery. Ann Acad Med Singap. 2019 Nov;48(11):345-346. PMID: 31960013.

Notable Research Awards & Grants

Name of Awards & Grants	Year Obtained
Enhancing the Informed Consent Process for Complex Surgical Procedures (Institute of Adult Learning)	-

Translating Research Into Healthcare

- Why do women present with advanced breast cancer?
<https://www.zaobao.com.sg/lifestyle/health/story20230425-1386995>
- Do not be misled by online misinformation and miss your breast cancer screening.
<https://www.zaobao.com.sg/lifestyle/health/story20230912-1432446>