



Clement Chia Luck Khng

Consultant, General Surgery, KTPH

Adj Assistant Prof, NUS

Lecturer, Lee Kong Chian School of Medicine

Research Interests:

- Medical Technology Innovations that provide Value to Patients or the Organization
- Medical Education Research and Innovations
- Geriatric Surgery
- Breast, Thyroid and Hernia

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Biography

Clement is a Breast and Endocrine Surgeon with special interest in Hernia and Geriatric surgery. An advocate for transdisciplinary care in the elderly surgical patient, restoring functional outcomes is one of his top priority in patient care.

Besides his surgical pursuit, Clement is also an avid researcher and was awarded Young Investigator Award in Tokyo, Japan. He is a recipient of the Clinician Leadership in Research Award from National Healthcare Group and serves on the reviewer boards of both local and international journals. To date, he has more than 40 peer review publications in prestigious international journals such as British Journal of Surgery and Journal American College of Surgeons. He is also an innovator and has innovated cost saving solutions during the COVID-19 pandemic and is currently in the process of patenting some of his innovations.

A strong believer in training the next generation of students and doctors, Clement also participates actively in undergraduate education and is the Lead for Undergraduate Surgery, Yong Loo Lin School of Medicine. He has won the National Healthcare Group Senior Teaching Award, NUS Dean's Award for Teaching Excellence and Tan Tock Seng Hospital Best Teacher Award during his career for his teaching contributions.

Selected Publications

- Chia CLK, Su J, Hoe Y, Shelat VG, Junnarkar SP, Low J, Woon WW. Outcomes of slit mesh in laparoscopic totally extraperitoneal inguinal hernia repair: Does it affect recurrence? *Asian J Endosc Surg*. 2015; 8(4):434-8. doi: 10.1111/ases.12224.
- Chia CLK, Mantoo SK, Tan KY. 'Start to finish trans-institutional transdisciplinary care': a novel approach improves colorectal surgical results in frail elderly patients. *Colorectal Dis*. 2016; 18(1):O43-50.
- Chia CLK, Tan KY. The Era of Geriatric Surgery. *Ann Acad Med Singap*. 2019; 48(11):345-346.
- He C, Lu J, Ong M, Lee D, Tan KY, Chia CLK. Seroma prevention strategies in laparoscopic ventral hernia repair. A systematic review. *Hernia*. 2019.
- Goh SSN, Shelat VG, Lee BGW, Chen RY, Oh SL, Chia CLK. A multi-center study on recurrent inguinal hernias: assessment of surgeons' compliance to guideline-based repair and evaluation of short-term outcomes. *Hernia*. 2020.

- Chan KS, Zeng D, Leung JHT, Ooi BSY, Kong KT, Yeo YH, Goo JTT, Chia CLK. Measuring upper limb function and patient reported outcomes after major breast cancer surgery: a pilot study in an Asian cohort. *BMC Surg.* 2020; 20(1):108.
- Chia CLK. Being a Surgeon in the Pandemic Era. *J Am Coll Surg.* 2020; 230(6):1077-1079. doi: 10.1016/j.jamcollsurg.2020.04.010.
- Lai AFW, Enju PT, Chan TYS, Chia CLK. Frugal innovation in the pandemic: finding the solution from within. *Br J Surg.* 2020. doi: 10.1002/bjs.11778.
- Chia CLK. Leading a COVID-19 cohort ward without blades: a surgeon's perspectives. *Br J Surg.* 2020; 4:10.1002/bjs.11735.

Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
Alexandra Health Enabling Grant for “Identifying barriers to early presentation in patients with locally advanced breast cancer in Northern Singapore”	2018
Alexandra Health Enabling Grant for “Does major breast surgery result in functional decline of the upper limb?”	2018
Alexandra Health Enabling Grant for “Intra-operative breast specimen holder for correct X-ray orientation”	2018

Translating Research into Healthcare

- Voices from the front Lines: Stepping out of my comfort zone to take charge of a Covid-19 ward. *Today Online.* Published 2 June 2020.
<https://www.todayonline.com/voices/voices-front-lines-stepping-out-my-comfort-zone-take-charge-covid-19-ward>