



Tay Kon Voi

Upper GI, Bariatric and Trauma Consultant, General Surgery
Department, Woodlands Health & Tan Tock Seng Hospital

Clinical Lecturer in:

Lee Kong Chian School of Medicine, NTU
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Research Interests:

- Medical Technology Innovation
- Clinical Nutrition in Surgery

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Biography

Dr. Tay Kon Voi completed his surgical training in August 2018 after passing the Fellowship of the Royal College of Surgeons (Edinburgh) exam and joined Woodlands Health as Upper GI, Bariatric and Trauma Surgeon since 2019. He is currently practicing in General Surgery Department, Tan Tock Seng Hospital. Dr. Tay is a clinical lecturer in LKC School of Medicine, NTU and YLL School of Medicine, NUS. His main interests in research are MedTech innovation and clinical nutrition in surgery.

Selected Publications

- Teo RM, Choo XY, **KV Tay**. Caecal bascule - A variant of caecal volvulus: Review of diagnostic challenges and approaches. *Surgeon*. 2021 Nov 14:S1479-666X(21)00161-X. doi: 10.1016/j.surge.2021.09.004. Epub ahead of print. PMID: 34789426.
- Loo, J.H., Lim, Y.H., Seah, H.L., Andrew Chong, **KV Tay**. Intra-gastric Balloon as Bridging Therapy Prior to Bariatric Surgery for Patients with Severe Obesity (BMI \geq 50 kg/m²): a Systematic Review and Meta-analysis. *OBES SURG* (2021). <https://doi.org/10.1007/s11695-021-05772-5>
- Miyasaka M, Li H, **KV Tay**, Phee SJ. A Low-Cost, Point-of-Care Test for Confirmation of Nasogastric Tube Placement via Magnetic Field Tracking. *Sensors (Basel)*. 2021 Jun 30;21(13):4491. doi: 10.3390/s21134491. PMID: 34209176; PMCID: PMC8271631.
- Jiayi Weng, **KV Tay**, Thomas Ho, MY Low. An Innocuous Solitary Neck Node: Case report of an Occult Papillary Thyroid Microcarcinoma presenting with nodal metastasis. *Arch Clin Med Case Rep* 2021; 5 (6): 771-777 DOI: 10.26502/acmcr.96550420
- Gruhl SL, Su J, Chua WC, **KV Tay**. Takotsubo cardiomyopathy in post-traumatic brain injury: A systematic review of diagnosis and management. *Clin Neurol Neurosurg*. 2022 Jan 4;213:107119. doi: 10.1016/j.clineuro.2021.107119. Epub ahead of print. PMID: 34998160.

Notable Research Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
Joint NHG Centre for Medical Technologies & Innovations and National Health Innovation Centre Singapore (CMTi-NHIC) for Point of Care Test (POCT) for Confirmation of Nasogastric Tube Placement with Magnetic Field Tracking Technology	2021
NHG and LKCMedicine ALIVE Serious Games Grant (SGG) for Virtual Reality Surgical Airway Training (VSaT) in COVID-19 Pandemic	2019