



Yew Kuo Chao

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Research Interests:

- Hepatology
- Healthcare Modelling
- Healthcare Information and Analytics

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Biography

Dr Yew Kuo Chao was trained at the University of Malaya, obtained MRCP (UK) and M.Med (Singapore), and completed advanced gastroenterology and hepatology training at Tan Tock Seng Hospital and Taiwan's Chang Gung Memorial Hospital.

He is the Vice President of the National Foundation of Digestive Diseases and Senior Consultant Hepatologist at Tan Tock Seng Hospital. He is dedicated to Hepatitis C virus (HCV) elimination in Singapore. Leading the End-C Programme, he raises awareness, promotes early diagnosis, and ensures care for at-risk populations, aiming to prevent complications like liver failure and hepatocellular carcinoma. Expanding his outreach, Dr Yew collaborates with Halfway Houses and LGBTQ+ organisations, like PinkDot, Greenhouse and Action for AIDS, to enhance healthcare inclusivity. His efforts have garnered global attention, with invitations as a speaker for the Coalition for Global Hepatitis Elimination. Dr Yew's contributions, including publications on HCV elimination, underscore his impact on advancing liver health and equitable care in Singapore.

Dr Yew's research spans Metabolic-associated Steatotic Liver Disease (MASLD), AI-based predictive modelling for liver diseases, hepatocellular therapies and alcohol-related liver conditions. His dedication to these areas places him at the forefront of preventive and therapeutic advancements in modern hepatology.

Selected Publications

- 15 Aug 2024 . Nat Rev Gastroenterol Hepatol. Mak LY, Liu K, Chirapongsathorn S, Yew KC, Tamaki N, Rajaram RB, Panlilio MT, Lui R, Lee HW, Lai JC, Kulkarni AV, Premkumar M, Lesmana CRA, Hsu YC, Huang DQ. Liver diseases and hepatocellular carcinoma in the Asia-Pacific region: burden, trends, challenges and future directions. 2024 Aug 15. doi: 10.1038/s41575-024-00967-4. Epub ahead of print. PMID: 39147893.

- 27 July 2024. GI Hep, Singapore & June 2024 EASL. Knowledge, Perceptions and Barriers to the Diagnosis and Treatment of Hepatitis C among persons who inject drugs: findings from the Educate-Test-Treat (ETT) Programme in Singapore.
- 2024 March. APASL, Kyoto, Japan. Evaluating HCV Point-of-Care Testing - a Real-World Study on People Who Inject Drugs in Singapore.
- Kalaiyarasi K, Sanchalika A, LHM, Yap WM, Vishalkumar S, Yew KC, Low JK, Sameer J, Huey TCW, Tan YP (2024) Transient Elastography Is the Best-Performing Non-Invasive Test of Liver Fibrosis in Obese Asian Patients with Non-Alcoholic Fatty Liver Disease: A Pilot, Cross-Sectional Study. *Medicina* 60:169. DOI: 10.3390/medicina60010169
- 2023 Nov. Impact of time-varying analysis of liver enzymes and baseline factors on the development of significant fibrosis in NAFLD: A Singapore Retrospective Cohort Study, Poster Presentation, Last author. The Liver Meeting® 2023 in Boston, MA, USA.
- Yew KC, Wong SH, Wong VW-S, Oon HH - Letter regarding "Waiting for the changes after the adoption of steatotic liver disease. *Clin Mol Hepatol* 30: 118-120. DOI: 10.3350/cmh.2023.0472
- 2023 Sep 20. *Naunyn Schmiedebergs Arch Pharmacol*. Yew KC, Tan QR, Lim PC, Low WY, Lee CY. Assessing the impact of direct-acting antivirals on hepatitis C complications: a systematic review and meta-analysis.
- Lee AJ, Wu AG, Yew KC, Shelat VG (2023) Does size matter for resection of giant versus non-giant hepatocellular carcinoma? A meta-analysis. *World J Gastrointest Surg* 15: 273-286. DOI: 10.4240/wjgs.v15.i2.273.
- 2022 Direct-acting Antiviral Treatment Improves Outcomes of Hepatitis-C-related Complications: A Systematic Review and Meta-analysis. Abstract. 15th National Conference for Clinical Research (NCCR), Malaysia, Dr Wu Lien-Teh, Young Investigator Award, Second Runner-up.
- Tong VJW, Shelat VG, Yew KC (2021) Clinical application of advances and innovation in radiation treatment of hepatocellular carcinoma. *J Clin Transl Res* 7: 811-833. DOI: N.A.
- 2020 An improved method for liver fibrosis assessment using magnetic resonance elastography. Abstract. The Digital International Liver Congress 2020, European Association for the Study of the Liver (EASL).
- 2013 Yew KC, Chuah SK. Antireflux endoluminal therapies: past and present. *Gastroenterol Res Pract*. 2013; 2013:481417. doi: 10.1155/2013/481417. Epub 2013 Jul 9. PMID: 23935608; PMCID: PMC3723090.

Notable Research Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
Ng Teng Fong Healthcare Innovation Programme (NTF HIP)	2019
Industry Alignment Fund – Industry Collaboration Projects (IAF-ICP)	2020

Translating Research/Innovation Into Healthcare

- 27 July 2022 <https://www.straitstimes.com/singapore/health/new-initiatives-launched-to-help-ex-drug-offenders-get-tested-and-treated-for-hepatitis-c>