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| **Name** | Khek-Yu (Lawrence) HO |
| **Country** | Singapore |
| **Organization** | National University Health System |
| **Current Position** | Professor; Senior Consultant |

## Educational Background

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|---|---|
| 2007 | Fellow qua Physician of Royal College of Physicians (Glasgow) |
| 1998 | Doctor of Medicine, National University of Singapore, Singapore |
| 1997 | Fellow of Academy of Medicine Singapore (Gastroenterology) |
| 1994 | Fellow of Royal Australasian College of Physicians (Internal Medicine) |
| 1986 | MBBS (1st class honours), University of Sydney, Australia |

## Professional Experiences

- Director, Centre for Innovation in Healthcare, National University Health System
- Professor of Medicine, Yong Loo Lin School of Medicine, National University of Singapore
- Senior Consultant, Department of Medicine, National University Hospital, Singapore
- Chairman, Asian EUS Group
- Chairman, Gut & Obesity in Asia (GoAsia)
- Chairman, Asian Barrett's Consortium (ABC)
- Director, National Referral Laboratories, Pte Ltd (NRL), Singapore
- Co-founder, Chief Medical Officer, and Director, Endomaster Pte Ltd
- Co-founder, Chief Clinical Advisor, and Director, Endofotonics Pte Ltd

## Professional Organizations

National University Health System, Singapore
Yong Loo Ling School of Medicine, National University of Singapore
National University Hospital, Singapore

## Main Scientific Publications

1. Phee SJ, Low SC, Sun ZL, **Ho KY**, Huang WM, Thant ZM. Robotic system for no-scar gastrointestinal surgery. International Journal of Medical Robotics and Computer Assisted Surgery. 2008 Mar;4(1):15-22.
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5. **Ho KY**, Phee SJ, Shabbir A, Low SC, Huynh VA, Kencana AP, Yang K , Lomanto D, So BKJ , Wong JYY, Chung SCS. Endoscopic Submucosal Dissection of Gastric Lesions Using a Master And Slave Transluminal Endoscopic Robot (MASTER). Gastrointest Endosc. 2010 Sep;72(3):593-9. Epub 2010 Jun 19.
6. Phee SJ, Kencana AP, Huynh AV, Sun ZL, Low SC, Yang K, Lomanto D, **Ho KY**. Design of a Master and Slave Transluminal Endoscopic Robot for Natural Orifice Transluminal Endoscopic Surgery (NOTES). *Proc. IMechE, Part C: J. Mechanical Engineering Science*, 2010, **224** (C7), 1495-1503. DOI: 10.1243/09544062JMES1880
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8. Sun Z, Ang RY, Lim EW, Wang Z, **Ho KY**, Phee SJ. Enhancement of a master-slave robotic system for natural orifice transluminal endoscopic surgery. Ann Acad Med Singapore. 2011 May;40(5):223-8.
9. Phee SJ, Sun Z, Wang Z, Wong JY, **Ho KY**. The future of transluminal surgery. Expert Rev Med Devices. 2011 Nov;8(6):669-71.
10. **Ho KY**. Robotics in Gastrointestinal Endoscopy. Journal of Digestive Endoscopy 2012; 3 (Suppl): S74-6.
11. Wang Z, Phee SJ, Lomanto D, Goel R, MS, DNB; Rebala P, Sun ZL, Trasti S, Reddy N, Wong JYY, **Ho KY**. Endoscopic submucosal dissection of gastric lesions by using a Master and Slave Transluminal Endoscopic Robot (MASTER): an animal survival study. Endoscopy. 2012 Jul;44(7):690-4.
12. Phee SJ, Reddy DN, Chiu PW, Pradeep R, Rao GV, Wang Z, Sun Z, Wong JY, **Ho KY**. Robot-Assisted Endoscopic Submucosal Dissection is Effective in Treating Patients with Early-Stage Gastric Neoplasia. Clin Gastroenterol Hepatol. 2012 Oct;10(10):1117-21.
13. Wang Z, Phee LSJ, Wong JW, **Ho KY**. Development of a Robotic Platform for Natural Orifice Transluminal Endoscopic Surgery. Gastrointestinal Intervention 2012; 1: 40-42.
14. Chiu PWY, **Ho KY**, Reddy N, Seo DW, Tajiri H. Asia Pacific N.O.T.E.S.: Where are we? Gastrointestinal Intervention 2013; 2: 55-8.
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21. Takeshita N, **Ho KY**. Feasibility of performing esophageal endoscopic submucosal dissection using master and slave transluminal endoscopic robot. Endoscopy. 2017 Feb;49(S 01):E27-E28. doi: 10.1055/s-0042-121486.



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22. Seah TET, Do TN, Takeshita N, **Ho KY**, Phee SJ. Future of Flexible Robotic Endoscopy Systems. arXiv:1703.05569 [physics.med-ph]
23. Takeshita N, Phee SJ, Chiu PWY, **Ho KY.** Global Evaluative Assessment of Robotic Skills in Endoscopy (GEARS-E): objective assessment tool for master and slave transluminal endoscopic robot. Endosc Int Open. 2018 Aug;6(8):E1065-E1069. doi: 10.1055/a-0640-3123. Epub 2018 Aug 10.
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26. Kaan HL, **Ho KY**. Robot-assisted endoscopic resection: current status and future directions. Gut and Liver 2019.
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