



## Chew Hui Sing

Senior Consultant, Department of Otorhinolaryngology, Tan Tock Seng Hospital

Research and Innovation Interests:

- MedTech
- ENT, Voice
- QOL

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### Biography

Dr Chew is an Otorhinolaryngology (ENT) specialist in Singapore. She obtained her medical graduate degree (MBBS) from National University of Singapore. Following which, she underwent and completed her specialty training in ENT under the National Healthcare Group residency program in Singapore. Dr Chew obtained her post-graduate surgery degree (MRCS) from the Royal College of Surgeons Edinburgh and her Masters of Medicine in Otorhinolaryngology (MMED ORL) in Singapore. Dr Chew is also recognized as a Fellow of the Academy of Medicine, Singapore.

On the research front, Dr Chew has published original research articles in several peer reviewed journals. She is a successful research grant recipient and the inventor of Aerodrop Duo- An innovative protective dual function scope mask and filtration system for aerosol generating scope procedures to reduce risks of disease transmission. Dr Chew was also winner of 2023 NHG Innovation Award.

Dr Chew believes in the education and training of the next generation of doctors. She imparts her knowledge and skills by providing training to the medical students and ENT specialist trainees. Dr Chew is also a Clinical Lecturer for National University of Singapore medical school and Adjunct Lecturer for the Lee Kong Chian NTU medical school.

### Selected Publications

- Innovative dual-function protective scope mask and filtration system for aerosol generating ENT scope procedures  
*HS Chew, M Tan, A Sanchalika, G Tan, EC Ho, BSP Ang, R Agrawal, SB Yeo*  
*Laryngoscope Investigative Otolaryngology. 2022;1-8. doi:10.1002/lio2.913*

- Diagnostic yield of computed tomography in the evaluation of unilateral vocal fold palsy  
HS Chew, JCG Goh, DYA Tham  
*The Journal of Laryngology & Otology, Volume 135, Issue 3, pp. 255-258 March 2021*
- Quality of life in untreated age-related hearing loss  
HS Chew, S Yeak  
*The Journal of Laryngology & Otology, volume 124, issue 08, pp. 835-841. August 2010*
- Airway foreign Body in Children  
Chew HS, Tan KK, AEN Goh, A Balakrishnan  
*International Journal of Clinical Medicine, volume 3, pp. 655-600. December 2012*

### Notable Research and Innovation Awards & Grants from Past 5 Years

Name of Awards & Grants	Year Obtained
Ng Teng Fong Healthcare Innovation Programme Grant Award	2020-2022
NHG Innovation Award	2023

### Translating Research and Innovation Into Healthcare

- Healthcare Asia:  
<https://healthcareasiamagazine.com/healthcare/news/how-ent-specialist-invented-extra-protection-against-airborne-diseases-during-scope-procedures>
- Asia Pacific Biotech News: <https://www.asiabiotech.com/26/2611n12/2611n120058x.shtml>  
Zaobao: 高效微粒空气过滤系统 减少耳鼻喉程序感染风险 | 早报 (zaobao.com.sg)