



## Sapna Pradip Sadarangani

Consultant, Department of Infectious Diseases and NCID  
Clinical Lecturer, Lee Kong Chian School of Medicine, NTU  
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### Research Interests:

- Vaccine-preventable Diseases in Adults, Particularly the Elderly and Children
- Infections in the Elderly, Particularly Influenza
- Emerging Infectious Diseases
- Global Health and Travel Medicine

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## Biography

Dr Sapna Sadarangani, infectious diseases consultant in NCID has an interest in vaccinology, global health, emerging infectious diseases, and tropical medicine. She is board certified in internal medicine, infectious diseases (ABIM), and paediatrics (ABP).

## Selected Publications

- Goh EH, Jiang L, Hsu JP, Tan LWL, Lim WY, Phoon MC, Leo YS, Barr IG, Chow VTK, Lee VJ, Lin C, Lin R, Sadarangani SP, Young B, Chen MI. Epidemiology and Relative Severity of Influenza Subtypes in Singapore in the Post-Pandemic Period from 2009 to 2010. *Clin Infect Dis*. 2017; 65(11):1905-1913. doi: 10.1093/cid/cix694. PMID: 29028950. <https://www.ncbi.nlm.nih.gov/pubmed/29028950>.
- Young B, Sadarangani S, Jiang L, Wilder-Smith A, Chen MI. Duration of Influenza Vaccine Effectiveness: A Systematic Review, Meta-analysis, and Meta-regression of Test-Negative Design Case-Control Studies. *J Infect Dis*. 2018; 217(5):731-741. doi: 10.1093/infdis/jix632. PMID: 29220496. <https://www.ncbi.nlm.nih.gov/pubmed/29220496>.
- Young B, Sadarangani S. Rapidly waning vaccine effectiveness for influenza: How often should we revaccinate? *J Travel Med*. 2019; 36(3). doi: 10.1093/jtm/tay154. PMID: 30690482. <http://www.ncbi.nlm.nih.gov/pubmed/30690482>.
- Young B, Sadarangani S, Haur SY, Yung CF, Barr I, Connolly J, Chen M, Wilder-Smith A. Semiannual Versus Annual Influenza Vaccination in Older Adults in the Tropics: An Observer- blind, Active-comparator-controlled, Randomized Superiority Trial. *Clin Infect Dis*. 2019; 69(1):121-129. doi: 10.1093/cid/ciy836. PMID: 30277500. <http://www.ncbi.nlm.nih.gov/pubmed/30277500>.
- Ong SWX, Vasoo S, Sadarangani SP, Cui L, Marimuthu K, Lim PL, Kong JW, Wong JCC, Puong KY, Chan LP. Vaccine-associated Rubella - a report of two cases and a review of the literature. *Hum Vaccin Immunother*. 2020; 12: 1-4. doi: 10.1080/21645515.2020.1765623. PMID: 32540771. <https://www.ncbi.nlm.nih.gov/pubmed/32530771>.
- Poon YC, Choy CY, Bundele MM, Sadarangani SP. Photoquiz: A 55-year-old- man with rectal bleeding and a rectal mass. *J Clin Microbiol*. 2020; 58(5): e02003-18. doi:10.1128/JCM.02003-18. PMID: 32327544. <https://www.ncbi.nlm.nih.gov/pubmed/32327544>.

- Poon YC, Choy CY, Bundele MM, Sadarangani SP. Answer to May 2020 Photoquiz. *J Clin Microbiol.* 2020; 58(5): e00069-19. doi: 10.1128/JCM.00069-19. PMID: 32327540. <https://www.ncbi.nlm.nih.gov/pubmed/32327540>.
- Maravelas R, Melgar TA, Vos D, Lima N, Sadarangani S. Pyomyositis in the United States 2002-2014. *J Infect.* 2020; 80(5): 497-503. PMID: 32147332. <https://www.ncbi.nlm.nih.gov/pubmed/32147332>.
- Tay JY, Lim PL, Marimuthu K, Sadarangani SP, Ling LM, Ang BSP, Chan M, Leo YS, Vasoo S. De-isolating COVID-19 suspect cases: A Continuing Challenge. *Clin Infect Dis.* 2020; 71(15): 883-884. doi: 10.1093/cid/ciaa179. PMID: 32100024. <https://www.ncbi.nlm.nih.gov/pubmed/32100024>.

### Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
Institute of Infectious Diseases and Epidemiology Centre Grant Seed Funding for “Vitamin D and Host immune response to Dengue Virus in Elderly and Adults”	2016
NHG-LKCMedicine Clinician-Scientist Career Scheme (CSCS) (Junior) for “Evaluation of Metabolic Predictors of Influenza Vaccine Immune Response in the Singapore Elderly Population- the DYNAMIC trial”	2017
NMRC Clinician Scientist Salary Support Programme (CSSSP)	2019
NMRC Clinician Scientist – Individual Research Grant New Investigator Grant (CS-IRG) for “Probing the Immunometabolic Factors of Influenza Vaccine Immune Response in Singapore Elderly”	2019
RIE2020 Collaborative CG Seed Funding for “A seroepidemiology study of healthcare workers and employees during the 2019-nCoV (COVID 19) outbreak at the National Centre for Infectious Diseases, Singapore”	2020

### Translating Research Into Healthcare

- Until mid of March, there's no sign of COVID-19 transmission among healthcare staff and within communities. *Lian He Wan Bao*. Published 29 April 2020.
- Protection for healthcare staff in Singapore adequate so far. *The Straits Times*. Published 30 April 2020.