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Research interests: Oral mucosal lesions, Oral diseases, Oral diagnostic science, Mast cells, GPCR

Publications

1. **Chompunud Na Ayudhya C**, Kaomongkolgit R. Malignant transformation of oral lichen planus during COVID-19 crisis. *Oral Dis.* 2022.
2. **Chompunud Na Ayudhya C**, Ali H. Mas-Related G Protein-Coupled Receptor-X2 and Its Role in Non-immunoglobulin E-Mediated Drug Hypersensitivity. *Immunol Allergy Clin North Am.* 2022;42(2):269-84.
3. Amponnawarat A, **Chompunud Na Ayudhya C**, Ali H. Murepavadin, a Small Molecule Host Defense Peptide Mimetic, Activates Mast Cells via MRGPRX2 and MrgprB2. *Front Immunol.* 2021;12:689410.
4. Roy S, **Chompunud Na Ayudhya C**, Thapaliya M, Deepak V, Ali H. Multifaceted MRGPRX2: New insight into the role of mast cells in health and disease. *J Allergy Clin Immunol.* 2021;148(2):293-308.
5. **Chompunud Na Ayudhya C**, Amponnawarat A, Ali H. Substance P Serves as a Balanced Agonist for MRGPRX2 and a Single Tyrosine Residue Is Required for β -Arrestin Recruitment and Receptor Internalization. *Int J Mol Sci.* 2021;22(10).
6. **Chompunud Na Ayudhya C**, Alawi F, Akintoye SO. Unusual oral multifocal epithelial hyperplasia in an adult African-American lung transplant patient. *Transpl Infect Dis.* 2021;23(2):e13497.
7. **Chompunud Na Ayudhya C**, Amponnawarat A, Roy S, Oskeritzian CA, Ali H. MRGPRX2 Activation by Rocuronium: Insights from Studies with Human Skin Mast Cells and Missense Variants. *Cells.* 2021;10(1).
8. Thapaliya M, **Chompunud Na Ayudhya C**, Amponnawarat A, Roy S, Ali H. Mast Cell-Specific MRGPRX2: a Key Modulator of Neuro-Immune Interaction in Allergic Diseases. *Curr Allergy Asthma Rep.* 2021;21(1):3.
9. **Chompunud Na Ayudhya C**, Roy S, Thapaliya M, Ali H. Roles of a Mast Cell-Specific Receptor MRGPRX2 in Host Defense and Inflammation. *Journal of Dental Research.* 2020;99(8):882-90.

10. **Chompunud Na Ayudhya C**, Roy S, Alkanfari I, Ganguly A, Ali H. Identification of Gain and Loss of Function Missense Variants in MRGPRX2's Transmembrane and Intracellular Domains for Mast Cell Activation by Substance P. *Int J Mol Sci.* 2019;20(21).
11. **Chompunud Na Ayudhya C**, Granquist EJ, Mupparapu M, Sollecito TP, Stoopler ET. Advanced maxillofacial imaging for temporomandibular disorder in special needs patients. *Spec Care Dentist.* 2018;38(3):150-4.