

TITLE: EFFECT OF THE TYPE OF DENTURE BASE MATERIAL ON THE COLONIZATION OF CANDIDA ALBICANS IN ORAL MUCOSA IN AN ANIMAL MODEL

Name: Basma Ezzat Mustafa

Affiliation: Assoc. Prof. Dr. International Islamic University Malaysia

Country: Malaysia

Email ID: drbasma@iium.edu.my

ABSTRACT (upto 300 words)

The human oral cavity is a unique ecological niche, oral candidiasis is the final outcome of the vulnerability of the host as to the virulence of the invading organism, a major virulence factor of *Candida albicans* is its ability to adapt to different environments. The treatment of such mucosal infections and the elucidation of the disease is challenging. Experimentally induced oral candidiasis is useful to clarify the etiopathology of this condition, improve diagnosis, and search for new therapeutic designs. The rat model is considered one of the well-proven models for observing oral candidal colonization and infection. When growing on a medical device or mucosal surface, *Candida albicans* resides as communities embedded in a protective matrix, usually, they resist the host defenses, which include depositing and incorporation of several proteins into the biofilm matrix. This will emphasize the role of the denture base materials in enhancing the colonization, proliferation of *Candida Albicans*, and the inflammation of the palatal mucosa.

Such studies consider as a powerful tool in understanding the pathogenesis, host interactions, and the management of oral mucosal candidal infections.

Keywords: Denture Base Material, *Candida Albicans*, Oral Mucosa, Animal Model.

BIOGRAPHY (upto 200 words)

Dr. Basma Ezzat Mustafa has PhD in Clinical Pharmacology, and MSc in clinical advanced laboratory sciences, and a bachelor's in pharmacy. She is the head of the basic medical sciences unit, and head of the natural product research group in the faculty of dentistry at International Islamic University Malaysia, she started working there in 2008 in academic and research fields, she is doing her research in the field of pharmacology, microbiology, immunology and different laboratory sciences in relation to oral health in addition to several types of research in the field of natural product, Dr. Basma has 25 years of experience in this field, during this period she manages to publish 5 books in addition to 50 publications. She has been awarded the certificate of excellence in research and publication in 2019 at the kulliyah level.

Presenter Name: Assoc. Prof. Dr. Basma Ezzat Mustafa AlAhmad

Mode of Presentation: Oral / Online

Contact number: +60139773204

Disclaimer: This invitation is to attend Otorhinolaryngology 2022 Conference only



Upload your photo here.