

WEBINAR

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& Oral IMMUNOLOGISTS
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Association Between Periodontal Disease and Atherosclerotic Cardiovascular Disease

SPEAKER

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**3.00 PM - 4.00 PM (MAL)
(UTC +08:00)**

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MODERATOR

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SPEAKER BIODATA

Professor Dr. Faraedon M. Mostafa Zardawi

Dr. Faraedon M. Mostafa Zardawi is a distinguished professor and the Dean of the Faculty of Dentistry at Qaiwan International University. With a deep passion for academia, Dr. Faraedon is dedicated to shaping the future of dentistry through both his teaching and research. He specializes in Periodontics and imparts his expertise to both undergraduate and postgraduate students at the university.

At Qaiwan International University (QIU), Dr. Faraedon teaches two pivotal courses to undergraduate students: Patient Care and Professionalism, and Comprehensive Care and Practice Management. His research interests span across Dentistry, Soft Tissue Facial Prosthesis, and Periodontics. An accomplished author, Dr. Faraedon has published over 70 original research articles and conference papers, along with a book and four chapters in e-books.

Dr. Faraedon is an active participant in the global dental community, frequently contributing to both local and international dental conferences as a speaker and through poster presentations.



Association Between Periodontal Disease and Atherosclerotic Cardiovascular Disease

Periodontal disease (PD) is an inflammatory condition primarily initiated in response to a specific group of bacteria (Gram-negative anaerobic bacteria) and is characterized by a complex host-biofilm interaction. Periodontitis is ranked as the sixth most prevalent disease affecting humans, impacting 740 million people worldwide. Atherosclerotic cardiovascular disease (ACVD) is an inflammatory disease of the coronary arteries associated with atheroma formation, which can cause disability and often death. PD is a potential risk factor that may initiate the development, maturation, and instability of atheroma in the arteries. Two mechanisms have been proposed to explain this association: either periodontal pathogens directly invade the bloodstream, or they indirectly increase systemic levels of inflammatory mediators. Interestingly, it has been suggested that improvement in the condition of one disease may positively impact the condition of the other, highlighting the association between these two diseases. The importance of early diagnosis and treatment of PD and its impact on cardiovascular health may be of great value in reducing the complications associated with ACVD. Further in vitro and in vivo studies with longer follow-up are necessary to confirm the causal relationship between PD and ACVD.

