219 Oral Malodor: Etiology and Treatment; Current Basic and Clinical Research and Technology Transfer

Oral malodor is a rapidly developing research area that, somewhat uniquely, attracts considerable attention from lay, professional and academic interests. A contributing factor is that malodor is a multi-causal condition with both physical and psychosocial components. Contemporary research ranges from contributing microbiology to systemic linkages and novel treatment approaches. This symposium will highlight the new findings in basic and applied research from active researchers in the area of malodor and adjacent dental science, with a focus on technology transfer and intervention. The symposium is aimed to a broad audience, including basic and applied researchers from medical and social sciences, as well as practicing clinicians. First, bacterial factors in etiology of oral malodor will be discussed. Supporting evidence will be compared for two existing theories: specific hypothesis that points to certain bacteria as source of malodor versus a non-specific hypothesis. Then, relationships between oral malodor and oral health parameters will be examined. Evidence from an integrated meta-analysis of broad clinical trials database will be presented to assess whether malodor presents a viable and efficient research model to predict therapeutic oral health outcomes. Next, clinical and psychosocial aspects of halitophobia will be reviewed addressing major challenges consulting these patients. Intervention approaches will be recommended based on the successful program from a breath consultation clinic. Finally, oral malodor in patients with xerostomia will be discussed. Epidemiology and relationship between self-perception, clinical symptoms, and objective measurements will be analyzed based on the research from a dry mouth clinic. 

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Co-Chair: S. Farrell, The Procter & Gamble Company, Mason, OH

Co-Chair: S. Nachnani, University Health Resources Group, Culver City, CA

D. Herrera, University Complutense, Madrid, Spain
11:45 a.m. - Microbiology of Oral Halitosis: Is it Specific or Non-specific?

R.W. Gerlach, The Procter & Gamble Company, Mason, OH
12:10 p.m. - Malodor as a Predictor of Therapeutic Oral Health Outcomes: a Meta-Analysis of Clinical Trials Database

M. Rosenberg, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
12:30 p.m. - Halitophobia: Major Challenges and Treatment Approaches

A. Papas, Tufts University, Boston, MA
12:55 p.m. - Oral Malodor in Patients with Xerostomia: Epidemiology, Clinical Manifestations, Assessment