11th AAPD 2014 CHINA

The 11th International Conference of Asian Academy of Preventive Dentistry

Promoting Oral Health with Systemic Health 促进口腔健康与全身健康

17th-19th, September, 2014  Beijing, China

Organizer: Peking University School of Stomatology
Affiliate Organizers:
- Society of Preventive Dentistry, Chinese Stomatological Association
- China Oral Health Foundation
- WHO Collaborating Centre for the Research and Training in Preventive Dentistry, WHOC-CHINA
- China Association for Science and Technology
- China International Conference Center for Science and Technology

Abstracts

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Information of Invited Speakers

Plenary Session Speakers’ information

- P1-1 Dr. Hiroshi Ogawa, DDS, MDSc, PhD, the Responsible Officer for Oral Health (ORH), World Health Organization (WHO) HQ, Geneva.
- P1-2 Dr. Tao Xu, Professor at Peking University School of Stomatology, the current President of Asian Academy of Preventive Dentistry, Vice President of Chinese Stomatological Association and the Director of WHO Collaboration Center for Research and Training in Preventive Dentistry in China.
- P1-3 Dr. Seung-Chul Shin, DDS, PhD, President Korean Dental Health Association, Vice President, Korean Academy of Preventive Dentistry, Professor, School of Dentistry, Dankook University, Korea.
- P1-4 Dr. Yoko Kawaguchi, DDS, PhD, Professor, Department of Oral Health Promotion, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU), Japan.
- P2-1 Dr. Prathip Phantumvanit, DDS, MSc, DDS(Hons), Vice-chairman of Public Health Committee of the World Dental Federation (FDI), President of the Center for assessment and accreditation for dental licensure in Thailand, the elected Board member of Thai Dental Council, Thailand.
- P2-2 Dr. Ming-Lun Hsu, DDS, DMD, President of Chinese Taipei Association for Dental Sciences, Professor and Dean of School of Dentistry, National Yang-Ming University, Taiwan, China.
- P2-3 Dr. Jennifer E. Gallagher, PhD, MSc, DCDP, BDS, FDSRCSEng, DDPH, FHEA, Professor of Oral Health Strategy, Honorary Consultant in Dental Public Health and Head of Population and Patient Health at King’s College London Dental Institute (at Guy’s King’s College and St Thomas’s Hospitals), United Kingdom.
- P2-4 Dr. Edward C.M. Lo, BDS, PhD, Chair Professor in Dental Public Health in the Faculty of Dentistry in the University of Hong Kong, Hong Kong SAR, China.
- P2-5 Dr. Xi-ping Feng, Director of Committee of Preventive Dentistry of the
Chinese Stomatological Association, Vice President of Shanghai Jiaotong University College of Stomatology, Vice Director of Shanghai Research Institute of Stomatology, the head of the Department of Preventive Dentistry of the Ninth People's Hospital affiliated to Shanghai Jiaotong University College of Medicine, China.

Symposium Session Speakers’ information

Session 1 Prevention of caries

- **S1-1 Dr. Minquan Du**, DDS, PhD, Professor & Director of the Department of Preventive Dentistry, School & Hospital of Stomatology, Wuhan University, China.

- **S1-2 Dr. Rahimah Abdul Kadir**, DDS, MSD, MPH, DrPH, Dean and Professor, Faculty of Dentistry, Lincoln University College Malaysia and, Malaysian Chair: Alliance for Caries Free Future (ACFF); Consultant for Nicotine Addiction Research Collaborative Group, University Malaya Centre for Addiction Sciences, Malaysia.

- **S1-3 Dr. Nuo Zhou**, DDS, MD, PhD, FICD, Vice President of Guangxi Medical University (GXMU) and Dean, Professor, and PhD supervisor at College of Stomatology, GXMU, Guangxi, China.

- **S1-4 Dr. May C.M. Wong**, BSS, PhM, PhD, Associate Professor (Dental Public Health), Faculty of Dentistry, University of Hong Kong, Hong Kong SAR, China.

- **S1-5 Dr. Krishan Gauha**, BDS, MDS, from Panjab University is Professor & Chairman, Unit of Pedodontics and Preventive Dentistry and HEAD, Oral Health Sciences Centre, Postgraduate Institute of Medical Education and Research, Chandigarh, India

Session 2 Early Childhood Caries

- **S2-1 Dr. Risqa Rina Darwita**, DDS., Ph.D, Lecturer in Department of Dental Public Health and Preventive Dentistry, Faculty of Dentistry University of Indonesia, Indonesia.

- **S2-2 Dr. Yan Si**, DDS, PhD, Vice Director, Associate Professor, Department of Preventive Dentistry, Peking University School and Hospital of Stomatology,
China.

- **S2-3 Dr. Huancai Lin**, BDS, M.Phil, PhD, Professor and Associate Dean Guanghua School of Stomatology Sun Yat-sen University, Head of Department of Dental Public Health of Guanghua School of Stomatology Sun Yat-sen University, China.

- **S2-4 Dr. Kazunari Kimoto**, DDS, PhD, Associate Professor, Department of Oral Health, Graduate School of Dentistry, Kanagawa Dental University, Japan.

- **S2-5 Dr. Deyu Hu**, DDS, MS, Professor of Department of Preventive Dentistry, West China College of Stomatology, Sichuan University, chair of the Chinese Association of Dental Public Health, China.

**Session 3 Malodor and laboratory studies**

- **S3-1 Dr. Shuguo Zheng**, DMD, PhD, M Paed Dent RCS (Edin., UK), Professor and Chairman, Department of Preventive Dentistry, Peking University School of Stomatology, China.

- **S3-2 Dr. Rahimayanti Rudi Rahim**, drg., MPH, Government employee (Banjar District Health Office, South Kalimantan, Indonesia); Private dentist (General Practitioner), Indonesia.

- **S3-3 Dr. Yong Duk Park**, BS, DMD, MSD, PhD, Vice President for Korean Academy of Preventive Dentistry, Head Professor of prev. & social dent., School of Dentistry, Kyung Hee University, Korea.

- **S3-4 Dr. Ja-Won Cho**, DDS, MSD, PhD, Associate Professor, Chairman, Department of Preventive Dentistry, School of Dentistry, Dankook University, Korea.

- **S3-5 Dr. Kinya Higuchi**, DDS, PhD, President of Higuchi Dental Clinic Co Med, Higuchi Dental Co. Med. Osaka, Japan.

- **S3-6 Dr. Xuenan Liu**, PhD, Associate Professor, Department of Preventive Dentistry, Peking University School of Stomatology, China.

**Session 4 Oral health promotion**

- **S4-1 Dr. Yuxing Bai**, DDS, PhD, Dean of School of Stomatology, Capital Medical University, director of Beijing Institute of Dental Disease Prevention, Vice-President of Chinese Orthodontic Society and Chinese Association of Computerized Dentistry, China.
• **S4-2 Dr. Bazar Amarsaikhan**, DDS, PhD, Medical Advisory Committee to President of Mongolia, Professor and Vice President for Research and Foreign affairs, Health Sciences University of Mongolia, Mongolia.

• **S4-3 Dr. Shengchao Wang**, PhD, DDS, Director and Chair of Department of Preventive Dentistry, School of Stomatology, the Fourth Military Medical University (FMMU), China.

• **S4-4 Dr. Armasastra Bahar**, DDS, PhD, Chairman of Indonesia Dental Council, Academic Senate of University Indonesia, Professor of University Indonesia Faculty of Dentistry, Indonesia.

• **S4-5 Dr. Jian Lv**, Associate chief physician, Master's supervisor, Director of Department of Preventive Dentistry, Qingdao Stomatological Hospital, China.
PO2-008

Relationship bone mineral density and resorption of alveolar

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Objectives: Osteoporosis is a degenerative disease characterized by reduced metabolic bone mass and bone micro-architect so that the risk of failure. Low bone mineral density is a clinical condition in patients with osteoporosis. The high rate of decline in bone mineral density can lead to tooth loss. The purpose of this study was to determine the relationship of reduction in bone mineral density of the alveolar bone resorption so expect no early prevention of tooth loss in people with osteoporosis and osteopenic.

Methods: The sampling method using a random sampling technique. The sample consisted of 36 subjects included men and women with age group 20-71 years. The tools used to retrieve the data is dual energy x-ray absorptiometry (DXA) to assess bone mineral density reduction. Alveolar bone resorption in maxillary incisors with the technique of panoramic radiographs. Data obtained by measuring bone mineral density at the spine, articulatio radiocarpalis, femoral neck. In bone mineral density T-score (WHO, 2003) as follows: Osteoporosis is a bone mineral density < -2.5. Osteopenia is bone mineral density between -1 SD and -2.5. When normal bone mineral density > -1. Alveolar bone resorption measured if there is loss of bone in the maxillary incisors, alveolar crest more than 2 mm apical to the CEJ toward the limit.

Results: Obtained bone mineral density: normal = 8, osteopenic = 15, osteoporosis = 13. Alveolar bone resorption: no resorption = 8, resorption 2-4 mm = 16 and resorption of > 4 mm = 12. Test performed correlation analysis with SPSS version 21, the results of the study there is a relationship between age and bone density value of r = 0.378, between age and alveolar bone resorption value of r = 0.442, between bone mineral density and alveolar bone resorption r = 0368.

Conclusion: There is a relationship between bone mineral density and resorption of alveolar and associated with increased age.

Keywords: Bone Mineral Density; Alveolar Resorption
PO10-019

Silver diamine fluoride efficacy in arresting caries of preschool children

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Objectives: The aim of this study was to evaluate Silver Diamine Fluoride (SDF) application to overcome untreated active dental caries on deciduous teeth in preschool.

Methods: A cohort study was conducted on 115 children aged 3-5 years old, with carious lesions resides in an Indonesian Suburb Area. 81 children were the intervention group and 34 children were included to the control group. Clinical dental examination was performed to assess dentinal active caries of each surfaces of the tooth. SDF treatment was given to subjects in the intervention group. A 10 month follow up was conducted to assess the percentage of arrested caries due to SDF treatment.

Results: A total of 1144 surface which were active caries and were applied with SDF. After 10 month, the SDF applicated dental surfaces were evaluated. 69.7% (N=797) of the SDF applied dental surfaces in the intervention group stayed arrested, but only 26.3% (N=105) surfaces of the dental caries become arrested in the control group.

Conclusion: This study shows that application of Silver Diamine Fluoride (SDF) is effective to arrest caries in children. The black staining that caused by SDF application is not a problem for most of the subjects. Treatment of SDF in Children should be emphasized in Indonesia especially in the area with high caries index and low socioeconomic status. However, Dental Health Education and Oral Health Promotion should be given to all subjects, in order to change the oral health behaviour of the mother and children.

Keywords: Silver Diamine Fluoride; Caries; Deciduous Teeth