

Dental Medicine 2017



29th Annual World Congress on

Dental Medicine & Dentistry

October 16-18, 2017 New York, USA

Keynote Forum

Day 1

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Chris Chui

University of California, USA

Dental sleep medicine-the future standard of care in dentistry

Obstructive sleep apnea (OSA) is a very serious sleep disorder that occurs when a person's breathing is interrupted during sleep. As it disrupts normal sleep, those affected are often sleepy or tired during the day. Sleep apnea results in low blood oxygen levels. It can lead to negative long-term health consequences regardless of sex, race or age, such as high blood pressure, heart disease, stroke, diabetes, depression, and Alzheimer's disease. It is estimated that 22 million Americans suffer from OSA. However, these numbers are likely underestimates due the large proportion of sleep apnea sufferers yet to be diagnosed. Indeed, the American Academy of Sleep Medicine has declared sleep apnea the "Hidden Health Crisis" in Aug 2016 as the underdiagnosis and undertreatment of the disease costs America billions of dollars each year. The latest research shows that OSA cost America \$411 billion in 2016 from loss of productivity alone. While there are several options for treatment of OSA, the public remains largely uneducated regarding those options. The main treatment modality is continuous positive airway pressure (CPAP) therapy. While the acute effectiveness of CPAP therapy has been demonstrated, CPAP suffers a high rate of failure owing to poor patient compliance (noncompliance rates range from 46%-83%). Dental sleep medicine offers a simpler, noninvasive treatment option for sleep apnea. Mandibular Reposition Appliances (MRAs) or Mandibular Advancement Devices (MADs) move the mandible forward to improve upper airway patency. While MADs are also indicated as the first line of treatment for snorers, they are an effective, proven modality for the treatment of patients with mild-to-moderate OSA. MADs should also be considered for severe OSA patients who cannot tolerate CPAP therapy.

Biography

Chris Chui is a General Dentist, who clinically involved primarily in Dental sleep medicine. He has successfully treated numerous patients with snoring and sleep apnea issues. He is the Board Director of both International Academy of Sleep and the American Sleep and Breathing Academy. He is also currently the President-elect of Northern California Academy of General Dentistry. He utilizes the latest technology and the most up-to-date dental appliances to tackle the patients with sleep issues that a lot of Primary Care Providers and Board-Certified Sleep Physicians could not treat. He has been a leading family Dentist in the San Francisco Bay Area with expertise in Sleep Apnea, TMJ (Temporal Mandibular Joint Dysfunction) and orthopedic development for both children and adults. He is a Graduate from University of California, Berkeley with a Bachelor of Science in Chemistry and University of California San Francisco with the degree in Doctor of Dental Surgery, he has been continuously recognized for his stellar work and genuine patient caring, receiving prestigious accolades such as KRON4 News, Best of the Bay Dentist, America's Top Dentist, Fellow of International Congress of Oral Implantologists and Fellow of the International Association of Physiologic Aesthetics. His other professional affiliations include the American Academy Sleep Medicine and the American Academy of Dental Sleep Medicine. He has also attained the prestigious Mastership in Academy of General Dentistry.

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Mohannad El Akabawi

Misr University for Science and Technology, Egypt

Role of laser in dentistry

Laser systems and their application in dentistry and especially oral surgery are rapidly improving today. The diode laser was introduced in dentistry and oral surgery in the mid-90s. The diode laser devices have specifications such as relatively small size, portable and lower cost that attract the dental practitioners and oral surgeons for use in various surgical indications in comparison to other laser equipment. Diode laser with wavelengths ranging from 810 to 980 nm in a continuous or pulsed mode was used as a possible modality for soft tissue surgery in the oral cavity. Based on the photothermal effect of the diode laser, the lesions of the oral mucosa are removed with an excision technique, or by ablation/vaporization procedures. Applications of lasers in dentistry is soft tissue surgery and ablation of lesions and the excision of exophytic lesions is one of this utilization. Provided correct selection and application of diode lasers in soft tissue oral surgery, for example frenectomy, epulis fissuratum, fibroma, facial pigmentation and vascular lesions. The advantages of laser application are relatively bloodless surgery, minimal swelling, scarring and coagulation, no need for suturing, reduction in surgical time and less or no post surgical pain. Also, the laser instantly disinfects the surgical wound as well as allowing a noncontact type of operative procedure and therefore no mechanical trauma to the tissue.

Biography

Mohannad El Akabawi has completed his MSc from Cairo University. He is a German board in implants, Fellowships from Genova University in Italy in Laser and Esthetic Dentistry. He is the youngest certified Dentist in Africa and Middle East from Pinhole Academy of Implant Dentistry. He is the founder and CEO of Smile Care Center in Cairo. He is also the youngest Egyptian international Speaker in laser technology.

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Kamran Awan

Roseman University, USA

Human papillomavirus (HPV) involvement in the carcinogenesis of oropharyngeal cancer

Human papillomavirus (HPV) has for some time been suggested to be involved in the carcinogenesis of oropharyngeal cancer. The HPV is a small, circular double-stranded DNA virus that was first identified in 1949. Up till now, over 100 different HPV types have been identified. The HPV subtypes are divided into high-risk and low-risk HPV based on their malignant potential. Approximately, 15 high-risk subtypes are known but only HPV subtypes 16, 18, 31, 33, and 35 have been identified playing a role in the development of oropharyngeal head and neck cancer. The HPV 16 is the most common type detected in oropharyngeal cancer accounting for 90 to 95% of the HPV-positive tumors. The International Agency for Research on Cancer (IARC) now recognizes HPV as a risk factor for oropharyngeal cancer, and accumulating molecular and epidemiological data now show that high-risk types of HPV are responsible for a subset of oropharyngeal cancer. Majority of the HPV-positive oropharyngeal cancers lack association with the traditional risk factors, such as tobacco and alcohol. Alike HPV-associated cervical cancers, HPV-positive oropharyngeal cancers are also sexually transmitted. It is assumed that HPV infection precedes the development of HPV-positive head and neck cancers, and the presence of high-risk HPV infection on the oral mucosa and seropositivity increases the risk of development of head and neck cancers. Therefore, risk factors for oral HPV infection are likely to be risk factors for HPV-positive head and neck cancers.

Biography

Kamran Habib Awan is a renowned international speaker in the field of oral medicine and diagnosis. He completed his Bachelors in Dental Surgery with first division from Karachi University in 1997. Dr. Awan was awarded his PhD in oral medicine from Kings College, London in 2011. His study was the first ever to evaluate number of diagnostic methods in comparison to surgical biopsy (gold standard). He serves as an advisory board member for a number of reputed journals. He also has numerous publications to his name. His research interests include oral cancer and diagnosis. Dr. Awan currently serves as an associate professor in the Roseman University of Health Sciences, Utah, United States.

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Cary Ganz

NYU College of Dentistry, USA

A forty-year perspective of dentistry: Past, present and future

Dentistry has undergone dramatic changes over the last forty years. From materials to management, from philosophy to economics, Dentistry is a fluid profession. To understand where dentistry is today and where it will be tomorrow, we need to look back to see where we have been? Dentists are challenged to be both businessmen and women as well as health care professionals. We need to embrace change while maintaining some of the status quo of the past. As the world around moves in different directions, the dental profession needs to find its own place in this dynamic model. As a profession, we have faced many daunting challenges. But we have managed to pursue these challenges with a great deal of energy and dedication. The future for dentistry is bright but will, once again, test our ability to adapt not only as professionals but as a part of the wheel of progress.

Biography

Cary Ganz has Graduated from NYU College of Dentistry in 1970 and received his Prosthodontic credentials from Kingsbrook Jewish Medical Center in 1973. Until recently, he was Co-Chief of Implant Dentistry and the Implant Fellowship Program at North Shore University Hospital, Long Island Jewish Medical Center. From 1998 – 2001, he was an Owner and Vice President of DEXIS Digital Radiography and has been involved in this technology for over 15 years. He is the Author of "I Love My Dentist" The Secret to Providing an Exceptional Patient Experience, as well as numerous articles on a variety of topics including implant prosthodontics, lasers, practice management, advanced dental technologies and the Internet. He has lectured nationally and internationally and is on the Advisory Board and Consultant to several dental manufacturers. He was also the Vice President of PlanetDDS, the creator and distributor of Denticon Practice Management Systems and DentiGramtm, a new patient communication program. Currently, he is the President of Dental Assets, an online portal for dentists and dental staff. He has also maintained an active private Prosthodontic practice specializing in Cosmetic and Implant Dentistry in Garden City, NY.

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