

Proceedings of
International E-Conference on

DENTAL HEALTH FORUM

December 03-04, 2020 | Webinar

NOTE:

CONTENTS

Sl.No	Name	Title of Talks	Page No
1	Dr John Hagiliassis	How to Choose an Aligner System?	5-6
2	Dr. Vijay Agarwal	Accelerated Orthodontics	7-8
3	Dr. Alok Dubey	Impact of COVID-19 on Oral Health and Pediatric Dentistry	9-10
4	Dr. Priyanka Tiwari	The Comparative Evaluation of the Masticatory Efficiency of Root-Supported Attachment Retained Overdenture and Implant-Supported Overdenture by EMG: An In-Vivo Study.	11
5	Dr-Geetha-Sridharan	Effects of Flap Modification on Third Molar Extraction Outcomes"-A Randomised Split Mouth Study	13
6	Dr. Balamurugan. R	Iliac Bone Graft Augmentation for Atrophied Maxilla followed by Implant Placement	14
7	Ben A-Sutter-DMD	Digital Occlusion	15
8	Dr John Hagiliassis	A Facially driven Approach to Clear Aligner Therapy	16
9	Dr. A. V. Arun	New Vistas in treatment Planning	17
10	Dr-Ashank-Mishra	Periodontal Diseases and Neurodegenerative disorders- two sides of same coin??-	18
11	Dr. Reem S. Abdu Shehab	Evaluation of Resistin Levels in Gingival Crevicular fluid of Patients with Periodontitis and Type 2 Diabetes Mellitus after Non-Surgical Periodontal Therapy and Sub-antimicrobial Dosage of Doxycycline	19
12	Dr. Balamurugan. R	Zygoma Implants for Atrophic Maxilla	20
13	Dr. Sirma Todorova-Angelova, DMD, PhD	Prevention and Management of the Risk for Oral-Dental Disorders in Childhood- A Literature Review	22
14	Dr. J. Vijayashree-Priyadharsini	Theragnostic strategies for early diagnosis and management of oral cancer.	23-24
15	Dr. Dinesh Kumar	Management of Rhinomaxillary Mucormycosis with Posaconazole in Immunocompetent Patients	25



International E-Conference on

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

DAY 1 | KEYNOTE SPEAKERS

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr John Hagiliassis**

Aesthetic Orthodontic & Restorative Training Academy, AORTA Australia

How to Choose an Aligner System?

This course aims to guide clinicians on how to evaluate a clear aligner system. This presentation will explore the key ingredients to success a clinical should look for when deciding on a clear aligner system. The aim will also be to briefly outline the strengths and weaknesses of each aligner system and how to better evaluate case complexity.

Biography:

Dr. John Hagiliassis graduated from the University of Melbourne with a Bachelor of Dentistry in 1998. John is the largest provider of Phillips Zoom! whitening treatment in Australasia since 2012 and one of the largest Invisalign providers in Asia since 2014. Dr John absolutely loves technology and loves finding ways to incorporate it into his practice to make him more accurate and efficient. He has treated over 4000+ clear aligners cases to date using 5 different systems. John regularly speaks and mentors at the Postgraduate School of Dentistry, Smile Styler, Ivoclar, 3D Meditech, Angel Aligners and KOL for Phillips and Dental Monitoring.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr. Vijay Agarwal**

Professor & Head, Department of Orthodontics & Dentofacial Orthopedics, MVGU University, India

ACCELERATED ORTHODONTICS

Orthodontic treatment is the reorganization of skeletal and/or dental tissues. Prolonged treatment duration is one of the main concerns of patients undergoing fixed orthodontic treatment. Unfortunately, long orthodontic treatment time poses several disadvantages like higher predisposition to dental caries, gingival recession and root resorption etc. Therefore this increases the demand to find the best method to increase rate of tooth movement with the least possible disadvantages. Orthodontic treatment is based on the premise that when force is delivered to a tooth and thereby transmitted to the adjacent investing tissues, certain mechanical, chemical, and cellular events take place within these tissues, which allow for structural alterations and contribute to the movement of that tooth. Consequently, researchers introduced few methods to accelerate the velocity of the tooth movement without any drawbacks. These kind of methods used in orthodontics are popular as accelerated orthodontics. Accelerated orthodontics could be possible by mechanical stimulation or device assisted therapy, surgical therapy and by the use of pharmacological agents.

The purpose of this presentation is to describe and evaluate the methods used in accelerated orthodontics.

Biography:

Dr Vijay Agarwal has completed his BDS (2004) and MDS (2008) from Government College of Dentistry, Indore and secured first rank in MP Pre - Pg examination. He is in private practice in Jaipur from last 12 years. He has numerous publications to his credit in various National and International Journals and contributed as co-author of textbook.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr Alok Dubey**

Associate Professor, Department of Preventive Dental Sciences, College of Dentistry, Jazan University, K.S.A

Impact of COVID 19 on Oral health and Pediatric dentistry

Since its emergence in December 2019, the coronavirus disease 2019 (COVID-19) has spread rapidly and is now a global pandemic. Dentists, among various health professionals, fall at the highest risk of contracting an infection. Dentistry is undergoing a phase where there is a need to enhance and improvise the way of practice.

This presentation talks about the impact of the pandemic on the way that the dentists need to modify their clinical practice and the immediate difficulties that the patients faced initially as health authorities had shut down the dental clinics. Special insight is also provided on the measures that need to be taken while managing children with dental issues.

Biography:

Dr. Alok Dubey is working as Associate Professor in pediatric dentistry at college of dentistry, Jazan University, Saudi Arabia. He was postgraduate guide and member in examination panel of many health universities in India before shifting to K.S.A. He is a member of the editorial board and peer reviewer of many reputed health journals and is actively involved in research activities. Dr. Dubey has numerous scientific publications in Scopus and Pubmed indexed journals and has received many awards for paper and poster presentation globally. Presently he is working upon the preventive strategies for caries prevention.



International E-Conference on

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

DAY 1 | **SPEAKER PRESENTATIONS**

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

The Comparative Evaluation of the Masticatory Efficiency of Root Supported Attachment Retained Overdenture and Implant Supported Overdenture by EMG: An In Vivo Study

Dr. Priyanka Tiwari

Sumandeep Vidhyapeeth University, Malaysia

The masticatory efficiency of complete denture, implanted supported, root supported and attachment retained overdenture, was checked by the electromyography, which would help in gaining information about the neurophysiologic mechanisms regulating the complex masticatory action and deciding the best treatment for the patients. The study was divided into two groups. In group one, there were five patients, these patients were first given complete denture and then given two implant supported overdenture. In group two, there were five patients, these patients were first given root supported overdenture and then given root supported attachment retained overdenture. Their masticatory efficiency was evaluated during clenching and mastication of masseter and temporalis muscles. This was done by the best proven method which is electromyography. Mean masticatory efficiency was found out during clenching and mastication and was tabulated and statistically analyzed using unpaired and paired t-test. As a result, the unpaired and paired t-test suggest that a significant statistical difference was obtained in the mean masticatory efficiency of the two-implant supported overdenture while clenching and mastication ($P < 0.0001$). This showed that the two-implant supported overdenture had the maximum masticatory efficiency during clenching and mastication compared to the other three treatment modalities. As a conclusion, patient rehabilitated with two-implant supported overdenture gave the maximum masticatory efficiency values during clenching and mastication for both the muscles masseter & temporalis followed by attachment retained overdenture, root supported overdenture and conventional complete denture. Keywords: two-implant supported overdenture, root supported overdenture, attachment retained overdenture, masticatory efficiency, and electromyography.

Biography:

Dr. Priyanka Tiwari did her Bachelor's in Dental Surgery (BDS) and Master's in Dental Surgery (MDS) in Prosthodontics from India. Completed a Certificate course on Medical Affairs in 2020 from Singapore Duke-NUS Medical University. She has 6 years of experience including teaching & clinical in various eminent hospitals, college and clinics. She practices Prosthodontics as well as general dentistry. She was invited to appear LIVE twice on GSTV channel in the program name YES DOCTOR SHOW in July 2014 & September 2014. She has 6 publications in various national & international journals. She has done 3 researches. She is a part of reputed associations in India i.e. Indian Dental Association (IDA) and Indian Prosthodontic Society (IPS). She was also invited in 2018 as a Speaker & Chairperson in 2 international conferences to Kuala Lumpur, Malaysia and Bali, Indonesia. She has been invited in 2020 to become a Speaker in 3 International Conference. Finally, she is also a Reviewer to 10 national & international journals. Editorial board member in 4 international journals.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

“Effects of flap modification on third molar extraction outcomes”-A Randomised split mouth study

Dr Geetha Sridharan

University and Affiliation: SRM University, INDIA

The incidence of impacted mandibular third molar is of common and forms the major proportion of all minor oral surgical procedures. An appropriate flap design for third molar surgery does contribute to better intraoperative surgical accessibility and post-surgical wound healing with minimal complications. The main purpose of this experimental study was to compare traditional conventional wards with a difference in the anterior release incision between the groups. (i.e.) Oblique anterior releasing incision as the control group and vertical releasing incision as the study group, and to study if modifications in flap design influenced the post-operative outcome of third molar surgeries. This prospective split mouth cross-over comparative study included 25 healthy patients with bilateral impacted mandibular third molars with similar difficulty index. The predictor variable flaps were randomly allocated to the patients. The primary outcome variables were pain measured using VAS (Visual analogue scale); swelling in millimetres with the reference points from : 1.) the lateral corner of eye to the angle of the mandible; 2.) Tragus to the corner of mouth, 3.) Tragus to pogonion.; mouth opening measured in mm (Maximum inter incisal distance); periodontal probing depth in an mm; wound healing by modified Landry's score and surgical accessibility. Preoperative measurements were recorded and post-operative values were recorded on day 1, day 3, and day 7 for pain, swelling and mouth opening; whereas for periodontal pocket depth the measurements were noted preoperatively and after a month of surgery. Statistically there were no significance between the variables of two groups, however clinically moderate significance were evident with vertical anterior releasing incision group with the swelling and the surgical accessibility with the oblique anterior releasing incision was found to be better. Though there was no statistical significance with the parameters among the groups, but the closure of the surgical site with vertical anterior releasing incision effectively avoided periodontal pocket formation compared to oblique anterior releasing incision in conventional wards. The anterior vertical releasing incision incorporated in conventional wards is easier for the beginners to access the third molar, however further study on this modified flap is required.

Biography:

Dr Geetha Sridharan has completed her MDS Oral and Maxillofacial Surgery at the age of 27 years from SRM University from India. She has published more than 3 papers in reputed journals and has been serving as an editorial board member of reputed.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

Iliac bone graft augmentation for atrophied maxilla followed by Implant placement

DR. BALAMURUGAN.R

RYA Cosmo Foundation

This case report presents a 45-year-old female patient who reported to the department of Prosthodontics with a chief complaint of missing teeth and desired to have a fixed prosthetic rehabilitation. History revealed that patient had an uneventful extraction due to chronic periodontitis. On examination, maxilla was completely edentulous, and mandible was partially edentulous. Radiograph revealed atrophic maxilla which was further planned to augment with iliac crest bone. After a healing period of 5 months implants were placed in the maxillary and mandibular arches. A full mouth prosthetic rehabilitation was planned after 3 months with implant supported and tooth supported prosthesis.

Biography:

DR. BALAMURUGAN.R is an Oral and Maxillofacial Surgeon and Oral Implantologist, initiated his professional career in the field of dentistry and continued his specialization in the path of Oral and Maxillofacial Surgery (India) and Fellowship in Oral Implantology (International Congress of Oral Implantologists ICOI, USA). His field of expertise in basic dental treatments, dento-alveolar surgeries, maxillofacial trauma, dental implants, medical emergencies, pathologies associated with maxillofacial region, TMJ related disorders. He was awarded as the best PEER REVIEWER by Star Dental Centre Pvt Ltd, India for his sincerity and dedication towards work by adhering to the timelines with a prompt reviewing process. He also encourages and motivates the authors to explore with new innovative ideas in the field of research. He holds various International and National peer reviewed paper publications that adds credit to his career. He is associated with International and National journals as editor and reviewer board member. Currently, he is a researcher and walks in the right path of motivation by providing a heart of service for the patients as an Oral and Maxillofacial Surgeon in RYA Cosmo Foundation, India.



International E-Conference on

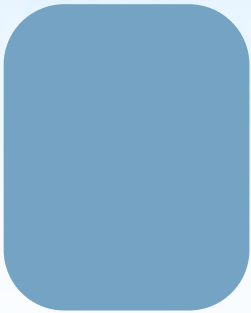
DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

DAY 2 | KEYNOTE SPEAKERS

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Ben A Sutter DMD***

Graduated Rutgers

Digital Occlusion

Occlusion is one of dentistry's last disciplines that still remains analogue. Unfortunately, evidence based publications have repeatedly demonstrated that relying on bite paper marks to adjust occlusion and restorations is not accurate. Here Dr Sutter will review the literature and complete a live demonstration to share the benefits of digital occlusion. Across all specialties occlusion remains at the foundation, yet is the most poorly understood and widely deviated topic in dentistry.

Biography:

Dr Sutter completed his DMD from Rutgers School of Dental Medicine in 2005. Afterwards he completed a 1 yr hospital based General Practice Residency at Overlook Hospital in 2006.. He has published 25 publications in various journals and published a book chapter in Handbook of Research on Clinical Applications of Computerized Occlusal Analysis in Dental Medicine. He is a respected key opinion leader in digital occlusion and Editor in Chief of the Journal of Advanced Dental Technologies & Techniques.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr John Hagiliassis**

Aesthetic Orthodontic & Restorative Training Academy, AORTA Australia

A Facially driven Approach to Clear Aligner Therapy

In the past twenty years dentistry has evolved with the addition of clear aligner therapy, digital technology, workflow and systems. This has enabled the clinician to use this data collected to better serve and analyse the patients aesthetic needs. The virtual reality technology where this data can be merged with photography enables the clinical to diagnose, treatment plan and communicate to their patients options and solutions. This presentation demonstrates the power of clear aligners can enhance facially driven solutions by exploring minimally restorative options and empower the patient informed choices.

Biography:

Dr. John Hagiliassis graduated from the University of Melbourne with a Bachelor of Dentistry in 1998. John is the largest provider of Phillips Zoom! whitening treatment in Australasia since 2012 and one of the largest Invisalign providers in Asia since 2014. Dr John absolutely loves technology and loves finding ways to incorporate it into his practice to make him more accurate and efficient. He has treated over 4000+ clear aligners cases to date using 5 different systems. John regularly speaks and mentors at the Postgraduate School of Dentistry, Smile Styler, Ivoclar, 3D Meditech, Angel Aligners and KOL for Phillips and Dental Monitoring.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr. A. V. Arun**

Professor of Orthodontics, India

New Vistas in Treatment Planning

Orthodontic treatment planning has come a long way from the days when we used to diagnose cases with just a cephalogram, opg, a set of models and a case history. Today's diagnosis and treatment planning is much more holistic and involves much more aspects to be taken into consideration. There is a paradigm shift in the planning of treatment that involves more of extraoral considerations today than ever before. The profile and the soft tissue structures have occupied the centerstage in today's treatment planning. Equal importance is also given now a days to the stability of the treatment and the inter relationship and inter cuspatation of the teeth. The lecture plans to highlight the practical aspects of treatment planning and shows cases as examples for better understanding.

Biography:

Dr. A. V. Arun, Past Honorary secretary & Past Vice President of Indian Orthodontic Society, President- World Dentists Association.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr Ashank Mishra**

Head of Research Department and Faculty in Periodontology, EIMS, Malta

Periodontal Diseases and Neurodegenerative disorders- two sides of same coin??

Increasing evidence has suggested an independent association between periodontitis and a range of comorbidities, for example cardiovascular disease, type 2 diabetes, rheumatoid arthritis, osteoporosis, Parkinson's disease, Alzheimer's disease, psoriasis, and respiratory infections. Shared inflammatory pathways are likely to contribute to this association, but distinct causal mechanisms remain to be defined. Some of these comorbid conditions may improve by periodontal treatment, and a bidirectional relationship may exist. The presentation overviews the evidence linking periodontitis with neurodegenerative disorders like Parkinson's disease and Alzheimer's disease and calls for increased cooperation between dentists and medical doctors to provide optimal screening, treatment, and prevention of both periodontitis and its comorbidities.

Biography:

Dr Ashank Mishra is currently Visiting Professor in Department of Periodontology and Research in EIMS H.E.I Malta. He received his MDS from Dr NTR University of Health Sciences, India. He worked as an Associate Professor in Dental School at Vikarabad, India. He obtained Masters in Laser Dentistry from University of Vienna, Associate Fellowship in Lasers from World Clinical Laser Institute (USA) and Fellowship of Oral Implantology in Branemark Osseointegration Center India. He accomplished Membership in Royal College of Surgeons of Ireland and Royal College of Physicians and Surgeons of Glasgow. He was accolade with Honorary Fellowship from International College of Dentists (USA). He is currently working as Periodontist and Implantologist in Muscat, Oman. He has been awarded under the category of Excellence in Periodontology and Laser Dentistry by International Exemplary Research and Performance in 2018 and 2019 consecutively. He is a member of International Academy of Periodontology and Indian Society of Periodontology. Regarding his clinical activity, as a specialist in periodontology Prof. Mishra maintains a private practice limited to periodontology, laser dentistry and implant surgery with an emphasis on nonsurgical periodontal treatment, regeneration, minimally invasive surgery. The focus of his research activity spans from novel periodontal treatment options to its clinical translation and periodontal-systemic interrelationships. He is a member of the scientific journals, and author of many international publications in different scientific journals holding more than 200 citations. In addition, he owns Zeus- Terra Dental Academy and LazerDontiz which conducts clinical courses on Periodontology and Soft tissue Lasers under its wing.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr. Reem S. Abdu Shehab**

AL-Azhar University, Egypt

Evaluation of Resistin Levels in Gingival Crevicular fluid of Patients with Periodontitis and Type 2 Diabetes Mellitus after Non-Surgical Periodontal Therapy and Sub antimicrobial Dosage of Doxycycline

Purpose: This study was designed to evaluate the resistin levels in GCF of patients suffering from periodontitis and type 2 diabetes mellitus (T2DM) after non-surgical periodontal therapy and sub antimicrobial dosage of doxycycline (SDD).

Materials and methods: Thirty periodontal sites within 24 patients with age ranging between (24-51) years old were selected for this study. A total of 30 periodontal sites were randomly divided into three groups; each group included ten periodontal sites: (group I): systemically healthy periodontitis patients who had received scaling and root planning (SRP), (group II): periodontitis patients with T2DM who had received SRP, and (group III): periodontitis patients with T2DM who were received SRP and SDD 20mg twice/day. All patients were examined with the same clinical periodontal parameters which are plaque index (PI), gingival index (GI), probing depth (PD) and clinical attachment level (CAL). Patients in each group went through nonsurgical periodontal therapy as well as a maintenance program (which includes brushing with regular toothpaste). Collection of GCF samples was done in all patients at baseline, one month and 3 months following the periodontal therapy. Quantification of resistin in human samples was measured using resistin ELISA test.

Results: Non-surgical periodontal therapy was found to show relative improvement in all clinical parameters as well as a decline in resistin levels. In addition, GCF levels of resistin, PD, GI showed greater reduction after non-surgical treatment in group III than group II.

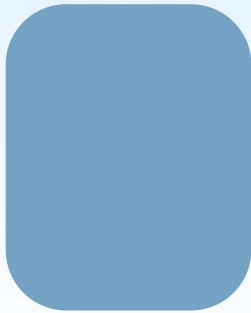
Conclusion: Non-surgical periodontal therapy is found to be effective in the management of periodontitis patients with and without diabetes mellitus and GCF resistin can be a useful biomarker to detect the periodontal disease condition. Also, adjunctive use of SDD showed more clinical benefit to patients with periodontitis by host response modulation.

Biography:

Dr Reem S. Abdu Shehab, MDS in Oral Medicine, Periodontology, Oral diagnosis, and Radiology. She is a private Dental Practitioner in Saudi Arabia and Egypt.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

**Dr. Amarjeet Gambhir**

Lady Hardinge Medical College, India

Artificial Intelligence in Oral & Maxillofacial Surgery

In the last decade or so, artificial intelligence (AI) through its successful and influential applications has revolutionized the field of medicine. The introduction of AI in Oral & Maxillofacial Surgery is more recent & predominantly experimental but holds tremendous promise. The use of AI seems particularly well adapted in the context of orthognathic surgery protocols such as improved diagnostic precision using AI enhanced maxillofacial imagery, treatment planning using 3D models, CAD/CAM manufacture of custom orthodontic appliances & equipment as well as improved therapeutic follow-up. A key contribution of artificial intelligence in oral surgery is the development of robotic or computer-assisted surgery. Oral surgical procedures with robotic assistance can be performed with less blood loss, fewer complications, shorter hospital stays, and better cosmetic results than standard open surgical techniques. Application of AI in the form of surgical navigation has added advantages of reduced operating time, preservation of adjacent vital structures, and higher intraoperative accuracy. An ingenious application of AI is “bioprinting”, where living tissues and organs can be constructed in thin successive layer of cells. Despite the numerous advantages, AI has its own limitations with respect to potential misinterpretations, unclear privacy, security & ethical regulations, lack of accountability in a clinical scenario, and high initial cost. It has to be emphasized that AI can only assist the clinician & surgeon in performing the tasks efficiently, but in no way replace the intellect of human knowledge, skill and decision making ability. Hence, we must learn to appreciate and value how useful artificial intelligence, augmented reality, and robotics can be and find ways to maximize their use for the benefit of our surgical patients.

Biography:

Dr. AMARJEET GAMBHIR graduated in dentistry from GDC, Indore in 2002 & completed his post-graduation in Oral & Maxillofacial Surgery from NHDC, Mumbai in 2006. He completed his 3 year Senior Residency from Lady Hardinge Medical College & Hospital, New Delhi in 2009. He then worked as a faculty at different dental colleges and was promoted to Professor, Oral & Maxillofacial Surgery in 2016. He again joined Lady Hardinge Medical College as a Faculty in 2016. He has worked as a co-investigator in pilot project on school-based sealant programme 2017 under Ministry of Health & Family Welfare, Government of India. He is a reviewer of various international journals & has published more than 15 national & international papers in indexed journals. He has attended a number of conferences & workshops and presented more than 10 papers & key-note lectures in national & international conferences/ webinars. He has also authored 3 books for dental postgraduate entrance examinations. His areas of interest include oral cancer, TMJ disorders, maxillofacial pathology & reconstruction & dental implants.



International E-Conference on

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

DAY 2 | **SPEAKER PRESENTATIONS**

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

Zygoma Implants for Atrophic Maxilla

DR. BALAMURUGAN. R

RYA Cosmo Foundation

Zygomatic implants are preferred for dental rehabilitation with inadequate bone support more commonly in the posterior maxilla as an alternative to other bone grafting techniques with satisfactory and clinical successful outcomes. A patient 43 years old came to the department of prosthodontics with a chief complaint of missing teeth in the upper and lower arch and desired replacement. On clinical and radiological examination, it was found that the patient had atrophic maxilla and since the patient desired a fixed treatment option, zygomatic implant supported denture in the maxillary arch and implant supported hybrid denture in the mandibular arch was planned.

Biography:

DR. BALAMURUGAN.R is an Oral and Maxillofacial Surgeon and Oral Implantologist, initiated his professional career in the field of dentistry and continued his specialization in the path of Oral and Maxillofacial Surgery (India) and Fellowship in Oral Implantology (International Congress of Oral Implantologists ICOI, USA). His field of expertise in basic dental treatments, dento-alveolar surgeries, maxillofacial trauma, dental implants, medical emergencies, pathologies associated with maxillofacial region, TMJ related disorders. He was awarded as the best PEER REVIEWER by Star Dental Centre Pvt Ltd, India for his sincerity and dedication towards work by adhering to the timelines with a prompt reviewing process. He also encourages and motivates the authors to explore with new innovative ideas in the field of research. He holds various International and National peer reviewed paper publications that adds credit to his career. He is associated with International and National journals as editor and reviewer board member. Currently, he is a researcher and walks in the right path of motivation by providing a heart of service for the patients as an Oral and Maxillofacial Surgeon in RYA Cosmo Foundation, India.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

Prevention and Management of the Risk for Oral-Dental Disorders in Childhood- A Literature Review

Dr. Sirma Todorova Angelova

DMD, PhD, Chief Assistant-Professor, Medical University "Prof. Dr. Paraskev Stoyanov"-Varna, Bulgaria

Tooth decay is a behavioral and infectious disease with a considerable medical-social significance, with worldwide-scale distribution. This multifactorial destructive disorder of hard teeth tissues has as a consequence disturbance of the masticatory function, related to deterioration of the common health state in long term. Conditions such as insufficient oral hygiene care on individual and professional level, local plaque-retentive factors such as orthodontic anomalies and defects, as well as not properly contoured restorations, suppression of local immunity mechanisms, disfunction of salivary glands, related to xerostomia, are determined as etiological factors for gingivitis. The inflammatory disease of the gingival tissues can result in multiaspect deterioration of oral and overall physical health. The purpose of the study is to be performed a literature review of the prevention and management of the risk for oral-dental disorders of caries and gingivitis in childhood. A large number of scientific resources have been investigated for the aim of the study. The results of the investigation are represented and summerized in the scope of illustration of health-associated factors and parameters in childhood, as well as relationships between oral-dental health and common health in children. There have been investigated etiological factors, risk and protective mechnisms for tooth decay and markers in relation to the control of gingival health. There has been accentuated on the affliction of the common health in condition of oral-dental disorders. Multifactorial impacts upon management and control of oral-dental health in children have been analized. The literature review ascertains the great significance of the role of prevention for proper, adequate and efficient management of tooth decay and gingivitis in children.

Biography:

In 2005 Sirma Angelova graduated higher education at the University of Economics in Varna, Bulgaria and gained a Master degree of International Financial Affairs. In 2011 Dr Angelova graduated her higher education and gained a Master Degree of Dental Medicine at the Medical University-Varna. Since 2011 she has been working as an Assistant-Professor at Medical University-Varna. Dr Angelova gained a Certificate of Specialization of Pediatric Dentistry in 2015. In 2017 Angelova gained a postgraduate degree, PhD, after accomplishment of an independent research on the topic of "Caries Risk Assessment and Prevention in Children Suffering from Some Renal Disorders". In 2018 Angelova gained an academic degree of Chief-Assistant at the Medical University-Varna. In 2019 was issued the monograph entitled "Epigenetic and Genetic Aspects of Oral Health in Children with Pyelonephritis" authored by Dr. Sirma Todorova Angelova. She authored and co-authored more than 70 papers. Dr. Angelova participated in more than 50 scientific congresses.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

Theragnostic strategies for early diagnosis and management of oral cancer.

Dr. J. Vijayashree Priyadharsini

Saveetha Dental College and Hospitals, India

Oral cancer (OC) is the most common type of cancer with a steep increase in the incidence rate across the world. According to the global cancer observatory, GLOBOCAN, 2018, cancer of lip and oral cavity remains the primary cause of mortality due to cancer in males belonging to the south-Asian countries. The risk for oral cancer is precipitated by several factors such as tobacco chewing, chronic alcoholism, smoking, sharp tooth in addition to the genetic makeup. Lack of awareness and ease of access to rapid diagnostic procedures have hampered the management of oral cancer in developing countries. In line with the above fact, diagnostic or prognostic applications should involve less invasive methods, cost-effective, precise and rapid. The rationale behind choosing exosomes as “theragnostic” tools are appropriate, as the duality nature of these biological cargos can be harnessed to develop more sensitive kits with high precision. The present report briefs about the newer trends and advancements in exosome biology in connection with oral cancer. Exosome based approach requires a knowledge on the origin and functions of exosomes in the biological system. The membrane-bound nano-vesicles of size 30-150 nm in diameter are derived from the intraluminal vesicles (ILVs) of several types of normal and tumour cells including stem cells. Exosomes are isolated from body fluids such as breast milk, blood plasma, saliva, urine, serum and cerebrospinal fluid. These biological cargos aids in communication and transport of contents from the donor cell to the recipient cell either directly or indirectly. A potent therapeutic target aimed against oral cancer is deemed to possess control over epithelial mesenchymal transformation, metastasis, angiogenesis, drug resistance, cancer stem cell differentiation and dedifferentiation. The exosomal transport of genetic information (proteins, microRNA, RNA) from the donor to recipient cell forms the core of therapeutic approach employing exosomes. Exosome-derived therapeutic leads and diagnostic biomarkers based on differential expression of the exosomal contents are being discovered for several diseases such as autoimmune disorders, hypertension and cancer. Albeit, exosome research related to oral cancer is still in its juvenile state, standardization of exosome isolation, characterization and quantification process will immensely increase its value as a novel “theragnostic” component targeting oral cancer.

Biography:

Dr. J. Vijayashree Priyadharsini, is a Geneticist, working as a research scientist at Saveetha Dental College and Hospitals, Chennai, India. Her thrust areas of research include cancer biology, exosome research, human genetic variations associated with complex diseases and computational biology. She has received grant from the Government of India, for her research on the development of theragnostic leads for oral cancer.

DENTAL HEALTH FORUM

December 03-04, 2020 | Virtual Webinar

Management of Rhinomaxillary Mucormycosis with Posaconazole in Immunocompetent patients

Dr. Dinesh Kumar

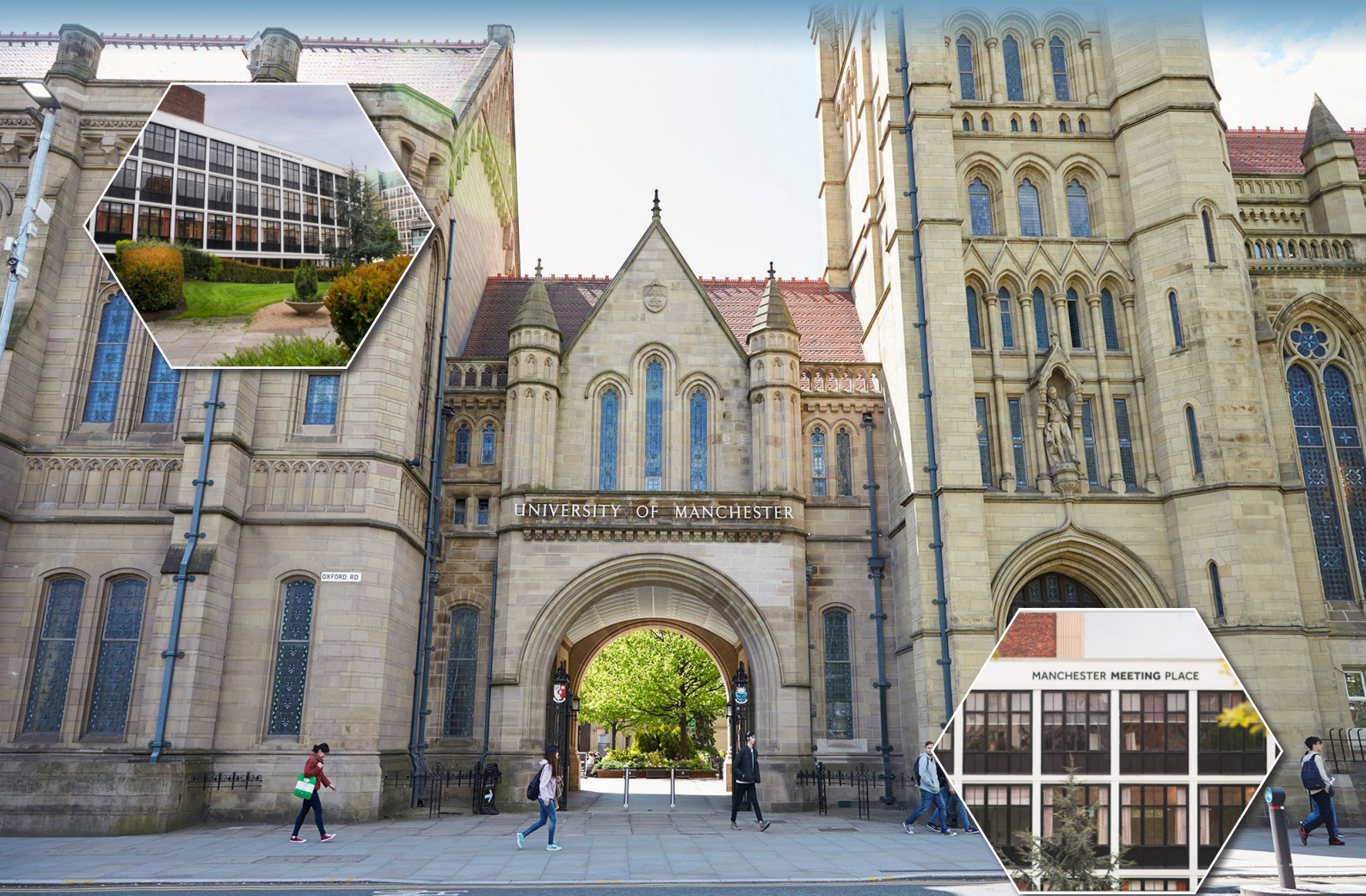
Maharshi Markandeshwar College of Dental Sciences & Research, India

Mucormycosis is most important invasive systemic fungal infection caused by the order Mucorales which is an acute life threatening and fast progressing form mostly affecting immunocompromised patients. Rhinomaxillary mucormycosis type is of greatest interest to the dental profession due to involvement of oral cavity and sinuses. The combination of surgical debridement, parenteral therapy with Amphotericin B and management of the underlying systemic disease is the standard treatment modality for mucormycosis. The drawback of this regime is the need for long hospitalization due to the serious side effects of Amphotericin B requiring regular monitoring. Oral Posaconazole is one of the newer antifungals that have shown promising results. This presentation highlights a case series of rhinomaxillary mucormycosis in immunocompetent patients diagnosed and managed successfully with surgical debridement and oral Posaconazole administration on day care basis.

Biography:

Dr. Dinesh Kumar is an Associate Professor in the department of Oral & Maxillofacial Surgery at Maharishi Markandeshwar College of Dental Sciences & Research, Mullana (Ambala) Haryana in India. He graduated in dental surgery from Government Dental College, Post Graduate Institute of Medical Sciences (PGIMS) Rohtak in 2006 & Post graduate degree in Oral & Maxillofacial Surgery from D.A.V (C) dental college & hospital, Yamuna Nagar in 2011. He completed his 3-year Senior Residency from Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh in Oral & Maxillofacial Surgery unit in 2015. He has done many publications in National & International Journals and reviewer of many reputed journals. He has also contributed and write chapter in books. He has more than 8years, of academic and research experience.

NOTE:



Venue: Core Technology Facility Oxford Road Campus The University of Manchester /UK

See you at Upcoming 2021

DENTAL HEALTH FORUM

Conference on July 26-27, 2021

Secure your seat today at

<https://manchesternursing.com/>

Secure your seat today at

Email: contact@dentalcareforum.com | Mobile/Whatsapp: +44 7438835192