



CONFERENCE MANUAL

SRI LANKA DENTAL ASSOCIATION

Regional Scientific Sessions - 2022
Southern Branch

“Herald the new normal in Dentistry”

28th & 29th January, 2022
Galle, Sri Lanka

SRI LANKA DENTAL ASSOCIATION



REGIONAL SCIENTIFIC SESSIONS - 2022

“Herald the new normal in Dentistry”

28th & 29th January 2022

Hotel Amari, Ginthota, Galle

“Herald the new normal in Dentistry”

SRI LANKA DENTAL ASSOCIATION
SOUTHERN BRANCH - OFFICE BEARERS

Chairperson

Dr. Krishantha Samaranayaka

Vice Chairperson

Dr. (Mrs) Nilmini Abeygunawardhana

Hony. Secretary

Dr. Daminda Mandawala

Treasurer

Dr. R H Jayasooriya

Exco Members

Dr. (Mrs) Shanthi Samaraweera

Dr. Nishantha Nallaperuma

Dr. Priyankara Mahagammullage

Dr. Sahan Kawshal Ratnayake

“Herald the new normal in Dentistry”
INAUGURATION PROGRAMME

- Date: 28th December 2022
Venue: Hotel Amari, Ginthota, Galle
- 6.30 pm Arrival of Invitees & Delegates
- 6.35 pm Arrival of Chief Guest & Guest of Honour
Ceremonial Procession
National Anthem
Lighting of the Traditional Oil Lamp
- 6.55 pm Welcome Address by Dr. Krishantha Samaranayake
Chairperson, SLDA Southern Branch
- 7.05 pm Address by Prof. Manil Fonseka
President, Sri Lanka Dental Association
- 7.15 pm Address by the Guest of Honour Emeritus Prof. B G Nanayakkara,
Past President SLDA
- 7.25 pm Address by the Chief Guest Hon. Minister Dr. Ramesh Pathirana
Hon. Minister of Plantation
- 7.35 pm Re-launching of SLDA Website
- 7.40 pm Vote of Thanks by Dr. Damminda Mandawala
Hony. Secretary, SLDA Southern Branch
- 7.45 pm Introduction of the Keynote Speaker
by Dr. D.K. Dias
Senior Consultant in OMF Surgery
- 7.55pm Keynote Address
"Future with COVID" by
Dr. Ananda Wijewickrama
Consultant Physician, Infectious Disease Hospital Colombo
- 8.35 pm Fellowship & Dinner

Messages:

- ***Message from the Chief Guest***
- ***Message from the Guest of Honour***
- ***Message from the Director General of Health Services***
- ***Message from the President SLDA***
- ***Message from the Hony. General Secretary SLDA***
- ***Message from the Chairman of SLDA Southern Branch***
- ***Message from the Secretary of SLDA Southern Branch***
- ***Message from the Chairperson Scientific Committee***

“Herald the new normal in Dentistry”

Message from the Chief Guest



Dr Ramesh Pathirana
Hon. Minister of Plantation

It is with much pleasure I send this message on the Regional Scientific Sessions and Dental Trade Exhibition of the Southern Branch of the Sri Lanka Dental Association, 2022.

I am pleased to witness the growth of Southern Branch of Sri Lanka Dental Association under its parent body during the past few decades. The Dental services is an essential part of the health services. The importance of oral health has been recognizing as a unique entity even at the inception of the modern medicine and this has developed as a specialized field.

The theme for the scientific sessions "Herald the new normal dentistry" suits very much to the current needs of the dental fraternity during this COVID pandemic.

I wish to take this opportunity to congratulate President and the Organizing Committee for organizing this excellent scientific show to full fill the aspiration of its vibrant membership.

Message from the Guest of Honour



Emeritus Professor B. Ganananda Nanayakkara
Past President - SLDA

Hoping that dawn of this New year will certainly be a better year, let me wish my dear colleagues a peaceful, prosperous and above all good health in 2022!. The past two years posed many challenges for all, specially for the Dental practitioners. Yet we strived on with courage and determination.

Let me congratulate the President and the Council of the Southern branch of Sri Lanka Dental Association for bravely coming forward to organize the Annual Sessions as a physical meeting instead of a Zoom or virtual one since the Covid 19 pandemic started.

Scientific Sessions are an exercise to share new developments as well as new knowledge in order for the Dental science and practice in Sri Lanka to be up to date, to create a state of the art Dental industry, leading to state of the art Dental treatment in Sri Lanka. It is also a good platform to meet old friends and renew relationships after a lapse of two years.

As it has done in the past, these sessions will no doubt help the participants to enhance knowledge and skills and in return further improve the treatment provided to the public.

“Herald the new normal in Dentistry”

**Message from the Director General of
Health Services**



***Dr. Asela Gunawardhana,**
Director General of Health Services*

I take great pride in sending this message for the Regional Scientific Sessions of the Southern Branch of Sri Lanka Dental Association which is going to be held on 28th & 29th in Galle.

Sri Lanka Dental Association, one of the oldest professional bodies in the country has set the platform for enhancing academic contribution by the membership to the global, knowledge on the subject of Dentistry. I'm pleased to see that SLDA has encouraging it's branch association to organize academic forums for the members to share their experiences and enrich their knowledge together.

The theme "Herald the new normal dentistry" is very much appropriate during the current pandemic situation of the Country and may foster safe dentistry to the people in Sri Lanka.

I congratulate the Chairperson and the Council of the Southern Branch Association of SLDA, and take this opportunity to wish you success in organization a fruitful academic session for their excellent work done.

“Herald the new normal in Dentistry”

Message from the President SLDA



Prof. Manil Fonseka
President, SLDA

It is with great enthusiasm that the Sri Lanka Dental Association hosts the Regional Sessions of the Southern branch on 28th and 29th January 2022 at the Amari Resort Galle. The COVID-19 pandemic and the restrictions imposed as a result of this has curtailed many flagship activities of the association and this has created a void in the pursuit of up to date knowledge on the fast developing sciences. Though many online activities for continuous professional development is easily available and accessible on the need, it cannot replace a live activity of this magnitude.

The theme for this session is quite naturally "Herald the new normal in dentistry" which focuses on key areas in the current pandemic era which is the probable first and last pandemic we witness. The lectures and symposia lined up have been carefully selected. We are fortunate to have resource persons from primarily the southern region which shows the spread of expertise around the country. It is also heartening to note the enthusiasm of the participants in the first physical session since the pandemic started. Having a scientific session with the important fellowship and physical movement is key to the success of this event.

We have the honour of listening to a true expert in COVID management as our keynote speaker who has a wealth of experience on the subject. In addition, may I acknowledge with gratitude all the resource persons and presenters for their hard work. Also the organizational capability of the Southern Branch is greatly appreciated in the success of this flagship event in the southern part of the country.

May I wish all the participants a fruitful and enlightening scientific session.

Sri Lanka Dental Association

“Herald the new normal in Dentistry”

Message from the Hony General Secretary SLDA



Dr. Chandima Weerasinghe
Hon. General Secretary, SLDA

Dear Friends and Colleagues,

It is indeed an honour and privilege to welcome all delegates to the SLDA Southern Branch Regional Scientific Sessions held at Hotel Amari, Galle on 28th and 29th of January 2022, in association with our Southern Branch. It has become a significant academic event among the Dental fraternity held after a long period of time due to the global pandemic situation.

I would like to offer my sincere gratitude to the Organizing Committee lead by Dr Krishantha Samaranayake, Chairperson SLDA Southern Branch, Dr (Mrs) Nilmini Abeygunawardana, Chairperson of Scientific Sessions and the energetic team of organizers for preparing and presenting a very interesting programme on a timely theme "Herald the new normal in Dentistry". I also wish to extend my special gratitude to Dr Daminda Mandawala, Hony. Secretary of SLDA Southern Branch for his untiring efforts to make this event highly successful.

I wish to invite all delegates to actively participate in the Scientific Programme including the Workshop and lectures, Inauguration ceremony and the Trade exhibition of dental suppliers, and to take maximum use of this opportunity. There is no hesitation this conference will be an excellent education forum for our members, colleagues and participants to share, update and enhance their knowledge in the field of Dentistry and especially in this new normal era. Finally let me thank all the speakers, resource persons, delegates and sponsors for their participation and for extending their enormous support to make this event a success.

I am eagerly looking forward to see you all and for a great occasion of discussion and fellowship!

Sri Lanka Dental Association

“Herald the new normal in Dentistry”

Message from the Chairperson - Southern Branch



Dr. Krishantha Samaranayaka
Chairperson - SLDA Southern Branch

On behalf of the SLDA southern branch, I am honored to welcome you to the inauguration and scientific sessions taking place on 28th and 29th of January 2022 in Galle, Sri Lanka.

In this new normal situation with the effects of the devastating pandemic of Covid 19, which has adversely affected the practicing of dentistry globally, it is my pleasure taking part to organize an educational program with full of learning, which would be beneficial for the dental surgeons both in the private and government sectors as well as the post graduate trainees and students to replenish the knowledge, skills and attitudes towards the betterment of patients care.

I would like to extend my sincere thanks to all of you who have worked hard to make this historical event a success.

Message from the Secretary - Southern Branch



Dr. Daminda Mandawala
Hony. Secretary - SLDA Southern Branch

It's a great privilege to welcome you all for the Regional Scientific Sessions of SLDA-Southern Branch on 28th and 29th of January 2022 at Hotel Amari, Ginthota, Galle.

Dentistry is a much respected, honored and trusted profession in our country. It is a noble profession with many advances taking place every day. Our colleagues in every part of the country must be very versed in new developments of our field, to deliver a better service to the community.

I hope It will give all delegates an opportunity to learn many interesting developments within and outside your own specialized field of dentistry.

I also wish to thank President and the Council of Sri Lanka Dental Association for the all the support and the cooperation extended to organize this conference.

My heartfelt gratitude goes to all of our speakers who accepted our invitation in spite of their busy schedules to be a part of this conference.

None of these efforts would have been possible without the dedication of our organizing committee and members of the branch association. I must thank them for the enormous efforts in organizing to conduct this session.

Finally I would like to thank all of the delegates and hope they will enjoy a fruitful scientific conference.

“Herald the new normal in Dentistry”

Message from the Chairperson - Scientific Committee



***Dr. (Mrs) Nilmini Abeygunawardhana**
Chairperson - Scientific Committee
Vice Chairperson - SLDA Southern Branch*

It is with great pleasure and honour I welcome you all to the SLDA Southern branch Regional Scientific Sessions 2022.

With the theme of "Herald the new normal in Dentistry" multiple educational activities covering all the disciplines of Dentistry are organized during 28th and 29th of January 2022 at Hotel Amari, Galle. Workshop on Implants, Symposium on dental care of elderly patients, Keynote lecture and guest lectures on Dental and non-dental topics by eminent speakers and free paper session are some of the highlights which will be immensely beneficial to enhance the knowledge of participants to move forward with the new normal.

I would like to thank the president and the council Sri Lanka Dental Association main branch and the council of SLDA Southern branch for their innumerable support in organizing this event.

PRE CONFERENCE WORKSHOP



Venue :

*Galle Medical Association Auditorium,
Teaching Hospital, Karapitiya, Galle*

Date : Friday, 28th January 2022

Time : 9am – 3.00pm

Topic : “An introduction to Implant treatment”

*Resources Person : Dr. Sirimevan Samarakoon Consultant in
Restorative Dentistry,
Teaching Hospital, Ratnapura*

Management of tooth loss by provision of a prosthesis is a major component in clinical dentistry. Over the years Implant retained crowns, bridges and dentures have gained increased popularity among the public due to several reasons. The general dental practitioner is experiencing an increased demand for implant retained prosthetic treatments and as a result the contemporary general dental practices are incorporating implant treatment in to their treatment plans more frequently.

This workshop aims to give an insight into the overall aspects of implant treatment with special emphasis on treatment planning, implant placement and prosthetic options.

“Herald the new normal in Dentistry”

SRI LANKA DENTAL ASSOCIATION

Regional Scientific Sessions - [Southern Branch]

28th January, 2022 - Galle, Sri Lanka

Theme: “Harald the new normal in dentistry”

PROGRAMME SCHEDULE

Date : Friday, 28th January, 2022
Pre Congress Workshop

PRE CONFERENCE WORKSHOP

Venue : Galle Medical Association Auditorium,
Teaching Hospital, Karapitiya, Galle
Date : Friday, 28th January 2022
Time : 9am - 3.00pm
Topic : "An introduction to Implant treatment"
Resources Person : Dr. Sirimevan Samarakoon Consultant in
Restorative Dentistry,
Teaching Hospital, Ratnapura

Morning snack and lunch will be provided

6.00 pm Inauguration
8.00 pm Keynote Address:
"Future with COVID"
Dr. Ananda Wijewickrama,
Consultant Physician,
Infectious Disease Hospital Colombo, IDH
8.30pm Fellowship & Dinner

“Herald the new normal in Dentistry”

<p align="center">SRI LANKA DENTAL ASSOCIATION SOUTHERN BRANCH REGIONAL SCIENTIFIC SESSIONS 2022 28th & 29th January, 2022@ Hotel Amari, Gintota, Galle Scientific Programme</p>		
28/01/2022 0830 – 1330 hrs	Conference Workshop “An Introduction to Implant Treatment” @ GMA Auditorium, Karapitiya, Galle	Dr Sirimewan Samarakoon Consultant in Restorative Dentistry TH – Ratnapura.
29/01/2022 08.00 – 08.30	Registration	
0830 – 1000 hrs	Symposium on ‘Dental Management of the Elderly’	
0830 – 1000 hrs	Moderator Dr Lasantha Liyanapathirana (Consultant OMF Surgeon, DGH - Hambantota)	
		Prof. Dileep de Silva Professor of Community Dentistry, Faculty of Dental Sciences, University of Peradeniya
		Dr (Mrs) Nilmini Abegunawardhana Consultant in Restorative Dentistry, TH - Karapitiya
		Dr Kamila Wijayalathge Consultant OMF Surgeon BH Kuliypitiya
		Dr (Mrs) W K L Perera Consultant in Orthodontics BH Theldeniya
1000 – 1020 hrs	Tea	
	E-Poster Presentation	
	Panel of Judges : Dr Suresh Shanmuganathan/Prof Manil Fonseka/Dr (Mrs) Nimini Abeygunawardana	
	<p>Poster 0001 NASOLABIAL CYST: A CASE REPORT AND REVIEW OF THE LITERATURE</p> <p><i>Poster 0002</i></p> <p>FULL MOUTH REHABILITATION OF A PATIENT WITH DRY MOUTH AND HIGH CARIES RISK - A CASE REPORT</p> <p><i>Poster 0003</i></p> <p>POST-COVID FUNGAL INFECTIONS IN MAXILLOFACIAL REGION</p> <p>Poster 0004 ACUTE INVASIVE FUNGAL RHINOSINUSITIS: RARE SENTTION AT DGH AMPARA</p>	<p>D.I. Amarasena</p> <p>S.S.Kalubowila</p> <p>T.P. Rathnaweera</p> <p>P. D. C. Fernando</p>
Session 01		
Chairpersons Dr Gamini Navarathne/Dr (Mrs) G L Chandra		
1020 – 1100 hrs	Effective Radiologic Interpretation	Prof. Ruwan D Jayasinghe Professor of Oral Medicine & Periodontology, Faculty of Dental Sciences, University of Peradeniya
1100 - 1140 hrs	Outline of endodontic treatment within the new normal	Dr. Pubudu C Perera Consultant in Restorative Dentistry Military Hospital, Colombo

1140 - 1220	Ergonomics and its impact on Musculoskeletal Disorder among Dental Surgeons during Covid-19 pandemic	Dr Himan De Silva Olympic Sports Physician
1220 - 1300	Lunch	
Session 02 Free Papers		
Chairpersons : Dr K G Imendra / Dr (Mrs) Rasika Ekanayake/ Dr Avinda Silva		
1300 – 1400	<p>OP 0001 TREATMENT MODALITIES FOR CORRECTION OF DEEP BITE ; A CASE SERIES</p> <p>OP 0002 EPIDEMIOLOGICAL STUDY OF TRAUMATIC DENTAL INJURIES DURING COVID-19 PANDEMIC AT RESTORATIVE DENTAL UNIT, TH KARAPITIYA</p> <p>OP 0003 SURGICAL MANAGEMENT OF ENDODONTICALLY COMPROMISED TEETH – A CASE SERIES</p> <p>OP 0004 SURGICAL CORRECTION OF FACIAL CLEFTS; 2 CASES – A CASE REPORT.</p>	<p>K.G.A.D.Gamage</p> <p>M. J. Kottahachchi</p> <p>R.Godevithane</p> <p>D G C Manoj</p>
Session 03		
Chairpersons Dr Dilan Fernando / Dr Tilan Jayawardena		
1400 - 1440	COVID 19 and the Dental Professional: The art of co-existing	Dr Prasantha Atapattu Consultant OMF Surgeon BH Embilipitiya
1440 - 1520	Role of Maxillofacial pathology in Clinical Dentistry	Dr (Mrs) Rasika Ekanayake Consultant Oral Pathologist TH – Karapitiya
1520	Tea	

Keynote Address - (Future with COVID)



Dr. Ananda Wijewickrama

Consultant Physician, Infectious Disease Hospital Colombo

It is impossible to predict the exact behaviour of a pandemic. As such, we can have only assumptions of the future of the COVID-19 pandemic. Nevertheless, we have to live with it. Therefore, it is important to look back and see the nature of impact it had on our lives and how we have faced it as individuals, institutions, professionals and as a country. Such a critical review will enable us to identify not only the strengths and weaknesses but also the opportunities the situation has created. Then only we can make plans for the future to face and live with COVID-19 strongly.

“Herald the new normal in Dentistry”

Symposium on **“Dental Management of The Elderly”**



Dr Lasantha Deepal Liyanapathirana
*Consultant Oral & Maxillo-facial Surgeon,
General Hospital, Hambanthota
Moderator:*

Resource Persons



Prof. Dileep de Silva,
*Professor of Commiunity Dentistry,
Dentistry, Faculty of Dental Sciences,
University of Peradeniya*



Dr. Nilmini Abeygunawardana,
*Consultant in Restorative Dentistry,
Teaching Hospital, Karapitiya, Galle*



Dr. Kamila Wijayalathge,
*Consultant in OFM Surgeon,
Base Hospital, Kuliyaipitiy*



Dr. Mrs. W K L Perera,
*Consultant Orthodontist,
Base Hospital, Theldeniya.*

With the increasing number of elderly populations in the country and the advancing technology more people are retaining their teeth. Restorative dental care is more complicated with age changes of the dentitions, compromised medical conditions of the population and polypharmacy. Challenges in managing such patients and how to overcome those will be discussed in this presentation.

Guest Lecture 1



Prof. Ruwan D. Jayasinghe,
Professor of Oral and Medicine Periodontology,
Faculty of Dental Sciences,
University of Peradeniya

Effective Radiologic Interpretation

Interpretation of radiographs is a complex process which involves the application of knowledge on radiation physics, different radiological techniques, radiographic imaging, and limitations. It is essential to have a sound understanding of orofacial radiologic anatomy, artifacts and the various pathologies affecting the oro-facial region as well as the manifestations of systemic pathology. As the interpretation of radiologic images for abnormalities varies depending on the radiographic imaging modality used, understanding of the strengths and limitations of the radiographic modality used is also an essential requirement. Refining their radiographic interpretation skills, knowledge of radiographic anatomy and radiological presentation of common pathologies will help clinicians recognize the most common variations in normal radiographs as well as the most frequently encountered incidental findings. This presentation outlines the basic steps involved in the radiologic interpretation.

Guest Lecture 2



Dr. Pubudu C Perera,
Consultant in Restorative Dentistry,
Military Hospital, Colombo

OUTLINE OF ENDODONTIC TREATMENT WITHIN THE NEW NORMAL

The spread of the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has caused in millions of confirmed cases and hundreds of thousands of deaths. Given its presence in the salivary secretions of affected patients, aerosol generation during the procedure and the presence of many reported asymptomatic cases that have tested positive for COVID-19, dental professionals are at high risk of becoming infected if they do not take appropriate precautions.

Endodontics is a high risk clinical procedure because the operator has to spend more time with a patient and involves high aerosol generation. Earlier it was suggested to only proceed with emergency management only but now with the society being vaccinated risks are reduced. In this presentation outline of important clinical tips related to endodontic procedure will be discussed.

The presentation helps the clinician to perform thorough shaping and cleaning and three-dimensional (3-D) obturation. The clinician must have an understanding of the complexity of the root canal system to understand the principles and problems of shaping and cleaning, to determine the apical limits and dimensions of preparations.

TREATMENT MODALITIES FOR CORRECTION OF DEEP BITE ; A CASE SERIES

K.G.A.D.Gamage*, S.L.Pathirage**

*Senior Registrar in Orthodontics, Teaching Hospital, Karapitiya,**
Consultant Orthodontist, Teaching Hospital, Karapitiya,

Deep bite can be defined as a condition where the vertical measurement between the maxillary and mandibular incisor margins is excessive when the mandible is brought into centric occlusion.

"Deep bite" is a major concern for orthodontists as optimal correction of it requires proper diagnosis, treatment planning and efficient execution of treatment mechanics. Furthermore, correction of deep bite helps to achieve a desirable aesthetic result and to minimize relapse during the post retention phase.

The fundamental orthodontic treatment strategies for deep bite correction are extrusion of posterior teeth, intrusion of incisors, flaring of anterior teeth or a combination.

This presentation will mainly focus on different treatment modalities used to correct deep bite in orthodontic patients who presented to Teaching Hospital, Karapitiya.

**EPIDEMIOLOGICAL STUDY OF
TRAUMATIC DENTAL INJURIES DURING
COVID-19 PANDEMIC AT RESTORATIVE DENTAL UNIT,
THE KARAPITIYA**

M. J. Kottahachchi **, *S. N. W. Abeygunawardhana**

**Dental surgeon, Restorative Unit, Teaching Hospital Karapitiya*

***Consultant in Restorative Dentistry, Restorative Dental Unit,
Teaching Hospital Karapitiya.*

Objectives

To describe aetiology of traumatized permanent anteriors following trauma presented to Restorative Unit, THK during COVID-19 Pandemic 2020 and to compare with the same period in 2019 to describe missed follow-up visits in management of traumatized teeth during pandemic and its complications

Background

The implications of the COVID-19 pandemic in the traumatic dental injuries involve its etiology, treatment and monitoring. Social isolation, lock down have altered the lifestyle of people in all age groups, resulting change of aetiology of traumatic dental injuries. Nationwide lock down was imposed from March 2020 and travel restrictions was continued until end of November 2020. As the service provision was focused mainly on emergency dental care, loss to follow-up was observed.

Materials & Methods

Clinical records of patients with traumatized permanent anteriors presented to Restorative Unit, during March to December 2020 and similar period in 2019 were selected. Aetiology, Missed follow-up visits and complications were assessed.

Results and Discussion

There was a significant reduction in number of trauma patients during pandemic(n:136) with male predominance(80%), compared to similar time period in 2019(n:582). A significant reduction was observed in trauma due to RTA(13%) while fall at home(51%) and assaults(35%) were became main aetiological factors when compared to routine presentation. {2019: RTA(53%) Fall at home(20%), Assault(26%)}. Reduced severity of trauma was observed in 2020. Above findings were clearly inter-related with the altered lifestyle during pandemic.

Only 52% was attended to 1st review visit, but 38% out of them showed 1-3months delay and 23% with 3-6months delay. Majority was not completed their treatment(72%). Lockdown, travel restrictions, unavailability of public transport, risk of infection, unawareness on service, main focus on emergency care were identified as factors affecting regular service provision/utilization. Unavailability of intra-oral-radiographs during peak of pandemic affected treatment planning. Root resorption, discolouration, mobility were main complications due to delay in regular follow-ups affecting treatment success.

Conclusion

The results suggest COVID-19 pandemic has a significant influence on epidemiology of traumatic dental injuries and service utilization affecting treatment success.

**SURGICAL MANAGEMENT OF
ENDODONTICALLY COMPROMISED TEETH
A CASE SERIES**

R.Godevithane*, W.P.A.W Goonathilake*, I.D.P Kulathunge*, W. K. B Dilrukshi*

**Restorative Unit A, Institute of Oral Health, Maharagama*

Surgical endodontics is a well-known treatment modality in dentistry. It has emerged over the past 150 years and novel principles have helped for the evolution of surgical endodontics into a biologically based and clinically proven mode of tooth retention.

Indications include management of persistent periapical lesions, resorptive lesions and perforations of the roots. A tooth with successful non-surgical endodontic treatment with persistent apical pathology could be benefitted by endodontic surgery. Apical lesions of teeth with difficult access for orthograde root canal treatment, such as teeth with calcific metamorphosis, retentive posts and extra coronal restorations can be successfully managed by endodontic surgery. Resorptive lesions and perforations that cannot be repaired through the canals may require surgical access for successful management. In addition, endodontic surgery can aid in diagnosis.

With the recent advancements in dental materials and instruments, surgical apical barrier placement and root surface repairs can be done with high predictability of success. Modern peri-radicular surgery involves the use of operating microscope and microsurgical instruments. An orthograde attempt of root canal treatment should always be considered where possible before planning for endodontic surgery.

Careful case selection, usage of appropriate materials and instruments, modern micro-techniques in periodontal surgical procedures are important for successful treatment. This is a modality of endodontic treatment that evolves with time and in future it will become a treatment done with higher success rates and lesser post-operative complications.

Key words: Surgical endodontics, peri-apical pathology, resorption, perforations

**SURGICAL CORRECTION OF FACIAL CLEFTS;
2 CASES – A CASE REPORT.**

D G C Manoj*, R P Gallage*, K Samaranayake*, D K Dias*

**Teaching Hospital Karapitiya, Galle.*

Introduction

Oblique facial clefts extremely rare congenital deformities with the defective fusion of maxillary and lateral nasal processes during the initial embryonic facial development. Prevalence of facial clefts has been reported with 0.12 to 2.69 per 1000 live births. However oblique facial cleft represents only 0.22% of all facial clefts. Surgical correction depends on the type of malformation, and the severity of the case.

Case presentation

Case 1 - One-month-old baby was referred with right side Tessier 3 oblique facial cleft and left side Tessier 2 facial cleft, as well as a wide alveolar cleft on right with the complete cleft palate. He had malformed right alar cartilage with deviated columella and the philtrum.

Case 2- One-month-old baby presented with right side Tessier 4 oblique facial cleft and complete cleft palate. He was having bilateral eyelid coloboma malformed orbit on the left side.

No relevant congenital malformations in the family history and no clinical significance in the systemic examination in both cases. Surgical corrections were done with paramedian forehead flap and Z-plasty in case-1 and case-2 respectively.

Conclusion

Thorough assessment, early diagnosis, and timely interventions in a multidisciplinary setting can improve the aesthetics, function, and quality of life in facial cleft patients.

Poster Presentation

NASOLABIAL CYST: A CASE REPORT AND REVIEW OF THE LITERATURE

D.I. Amarasena, D.K. Dias*, K. Samaranayake**

**Teaching Hospital Karapitiya*

Introduction

Nasolabial cyst also known as Klestedt cyst is a rare non-odontogenic developmental cyst that usually presents as an asymptomatic soft tissue swelling beneath the alar of the nose, ultimately resulting in facial asymmetry. These cysts only account for 0.7% of all the maxillofacial region cysts with uncertain pathogenesis. Diagnosis is established based essentially on clinical and radiological evaluation. Although different treatment modalities have been described, surgical excision remained the time-tested best strategy with a very high success rate.

Case presentation

A 67 years old female presented with a history of painless swelling in the upper lip for ten months duration. A thorough clinical examination and conventional CT of maxilla was performed revealing a homogeneous well circumscribed measuring 3cmx2cm soft tissue mass below the left alar base. Provisional diagnosis was made as a nasolabial cyst and the procedure consisted of a total surgical enucleation of the lesion through a vestibular sublabial approach while histopathological findings confirmed the clinical diagnosis.

Conclusion

Although nasolabial cyst has been described with a low prevalence rate, it should be well placed in the differential diagnosis of a sublabial swelling. A comprehensive clinical evaluation and the appropriate imaging modalities have illuminated the path of diagnosis while indicating suitable therapeutic measures. Accurate diagnosis and early surgical intervention are imperative in minimizing further complications due to infections and esthetic deformations.

Keywords: Nasolabial cyst, Non-odontogenic, Enucleation

**FULL MOUTH REHABILITATION OF A PATIENT WITH DRY MOUTH AND
HIGH CARIES RISK - A CASE REPORT**

*S.S.Kalubowila *, R.M.S.D.K. Ranathunga***

*Senior registrar in Restorative Dentistry, Restorative Dentistry unit B,
Institute of Oral Health ** Consultant in Restorative Dentistry,
Restorative Dentistry unit B, Institute of Oral Health

Introduction

Dental caries is a major complication of dry mouth which can result in pain, tooth loss, functional and aesthetic impairment. With the quantitative reduction of the salivary gland function, there can also be alterations in the quality of the saliva. Lack of flushing action, protective action by salivary Ig A, buffering action leads to acidic environment which favour the growth of high cariogenic bacteria making the patients caries prone. Further, can result in poor periodontal health, taste disturbance, speech problems and difficulty in deglutition. So restorative treatments alone is not adequate in managing these patients. Holistic approach includes identifying the cause for dry mouth and prevention, symptomatic management, aggressive caries preventive protocols, management of dental caries and periodontal diseases.

Case report

A 47 year old lady presented with multiple painful carious teeth and DMFT of 20. Sialometry showed severe dry mouth as a contributing factor for her high caries risk status. Endodontic and restorative treatments were carried out together with thorough preventive measures including proper tooth brushing, fluoride therapy and dietary modifications. Possibility of Sjogren's syndrome and other systemic causes for dry mouth were excluded with necessary investigations. Following stabilization of the mouth, definitive restorative treatments were done including placement of extra coronal restorations, replacement of missing 15 and easthetic improvement.

Conclusion

This case report describe the clinical journey of rehabilitating a patient with multiple carious teeth exacerbated by dry mouth using holistic approach.

POST-COVID FUNGAL INFECTIONS IN MAXILLOFACIAL REGION.

T.P. Rathnaweera, D.K. Dias*, Krishantha Smaranayake**

**Teaching hospital Karapitiya*

Introduction

Deep fungal infections, including mucormycosis, aspergillosis, and invasive candidiasis have been reported in the post-COVID period, those with immunocompromised and existing comorbidities. Commonly affects lungs and paranasal sinuses may also infiltrate the orbit as well the brain. The most common presentation is sinusitis, accompanied by nasal congestion, nasal discharge with severe headache, and fever. It is not contagious and does not spread by personal contact. A tissue biopsy is the mainstay of laboratory diagnosis while imaging studies assist to enhance the final picture. Intravenous antifungal therapy with surgical excision is the treatment of choice in a multidisciplinary setup.

Case presentation

A 55 years old female patient presented with severe temporal headache and progressive vision loss in her left eye, 3 months after the COVID-19 infection. On examination found to have ophthalmoplegia, complete ptosis, nasal congestion, and tenderness in the temporal and maxillary sinus region. The diagnosis was concluded as Aspergillosis with the help of ContrastEnhanced Computer Tomography (CECT) and nasal biopsy. 56 years old male patient presented with severe headache, nasal congestion, and palatal abscess. Histopathological investigations with a tissue biopsy confirmed the Mucormycosis.

Conclusion

Early recognition and diagnosis with prompt management are mandatory to prevent severe morbidity and mortality associated with post-COVID fungal infections. Targeting for better glycemic control, appropriate use of systemic corticosteroids, and avoiding unnecessary usage of antibiotics, antifungals, and immunomodulators are crucial in defeating the disease

**ACUTE INVASIVE FUNGAL RHINOSINUSITIS:
RARE PRESENTATION AT DGH AMPARA**

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Aim

To describe rare presentations of acute invasive fungal rhinosinusitis (AIFRS) following COVID -19 infection and uncontrolled Diabetes mellitus treated with aggressive surgical debridement.

Background

AIFRS is a rapidly progressive, angio-invasive life-threatening infection that is seen most commonly among immunocompromised patients. With the emergence of COVID-19 pandemic, incidence of fungal sinusitis has reportedly increased specially in south Asian subcontinent.

Case Report

Two patients (49yrs female and 72yrs male) previously infected with COVID-19 and uncontrolled Diabetes mellitus (DM) were initially treated by the physician for paranasal sinusitis. Due to unresponsiveness to conventional antral care for more than 2 weeks, they were referred to OMF unit, DGH Ampara. Radio-opacity in the OM view suggested maxillary antral exploration biopsy which showed large non-septate fungal hyphae in the necrotic background, invading the vasculature. It was histopathologically confirmed as AIFRS. CT scan revealed involvement of maxillary, ethmoidal, sphenoidal sinuses and masticatory space with no orbital and cerebral spread.

Total debridement of the involved sinuses; maxillary, ethmoidal, sphenoidal with adjacent tissues including eroded bony margins were performed under general anaesthesia using Caldwell-luc approach. Decompression tube was inserted to maxillary sinus for irrigation and maintenance of equal pressure.

In the female patient, right side sinuses were involved whereas in the male patient, involvement was bilateral.

Patients were followed up for 6 months. They underwent three serial surgical debridement periodically with systemic antifungal therapy along with proper management of DM. Both patients were considered cured after two negative histopathologic evaluations.

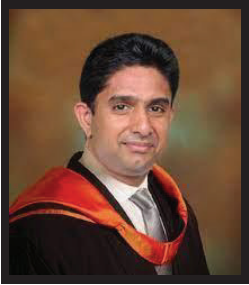
Diagnosis

In the female patient, AIFRS was caused by Mucormycosis. In the male patient, AIFRS of left sinus was due to Aspergillosis whereas Mucormycosis was detected in right side.

Discussion

Uncontrolled DM and COVID-19 infection were the underlying causative factors in these cases. Two different types of fungal infections in either side sinuses in the same patient was an extremely rare presentation. AIFRS is a potentially fatal condition, however, early diagnosis, systemic antifungal therapy, aggressive serial surgical debridement and management of the cause, appears to be effective in reducing mortality in most patients.

Guest Lecture 3



*Dr. Himan de Silva,
Olympic Sports Physician*

A new set of Ergonomic challenges among Dental professionals as they adapt to providing care in the COVID – 19 era

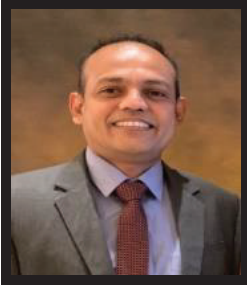
The nature of the dental profession and the postures assumed by the dental surgeons during their professional work has a huge impact on the dental surgeon's body and carries with it a high risk of musculoskeletal disorders (MSDs). To perform efficiently and effectively, they shall always like to attain a position that allows them to achieve optimum access, visibility, comfort, and control at all times. While treating the patients they are concerned about patients comfort and pay little attention to their own health till they begin to experience discomfort in their body. With a little attention and creativity, Dental Surgeons can improve their comfort on the job during the course of their career.

The impact of prolonged use of the PPE on the Dental Surgeons' performance is not extensively discussed. There are significant negative impact of the prolonged use of PPE on the non technical skills of surgeons including vision communication and overall comfort. Also, the non-significant negative impact on technical skills, decision making, and patients' safety.

Good ergonomic design of the workplace is a basic requirement for facilitating the balanced musculoskeletal health that will enable longer, healthier career, enhance productivity and minimize MSDs among Dental Surgeons.

Progressive loading, Myofascial release and Kinesio taping are found evidence based rehabilitation modalities for MSDs.

Guest Lecture 4



Dr. Prasantha Atapattu,
Consultant Oral and Maxillofacial Surgeon

Since the 2019, there has been a collective global effort to control the pandemic. Due to the close contact with the patients and nature of the work, Dental profession was categorized as one of the high risk health care professions. In order to contain the disease, dentistry was restricted to the emergency treatments.

However, as the pandemic is persisting with ever mutating virus, we need to find strategies to live with the disease. By understanding the behavior of the virus, disease transmission and strict adherence to the standard precautions, we would be able to achieve our objectives.

Guest Lecture 5



Dr. Rasika Priyadarshani Ekanayaka
Oral Pathology Unit, Teaching Hospital, Karapitiya

Role Of Oral and Maxillofacial Pathology in Clinical Dentistry

Oral and Maxillofacial Pathology is a specialty of dentistry that deals with diagnosing and assessing diseases with emphasis on tissue changes in the oral cavity, jawbones, and associated maxillofacial structures.

Pathology depends heavily on both macroscopic and microscopic study of the tissue and the clinical and radiographic correlation.

Therefore, an accurate histopathological diagnosis of an oral biopsy specimen involves a series of essential steps from the time it is taken from the patient at surgery up to its reception in the laboratory.

Obtaining a representative biopsy of the lesion is a requisite for making a definitive diagnosis.

Correct understanding and precise interpretation of each component of the biopsy report is equally important in clinical practice.

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