Inauguration Ceremony

The Westin Dhaka
25 November, 2023

BDRF

Bangladesh Dental Research Foundation

Program Details

08:00~08:30 am	:	Registration
08:30 pm	:	Tea & Snacks
09:30 am	:	Guest take their Seats
09:35 am	:	National Anthem
09:40 am	:	Recitation from the Holy Quran & Holy Gita
09:50 am	:	Guest Reception
10:00 am	:	Welcome Address
10:15 am	:	BDRF Theme Presentation
10:30 am	:	Research Grant Distribution
10:45 am	:	Speech of Honorable Guests
11:15 am	:	Speech of Special Guest
11:30 am	:	Speech of Chief Guest
12:00 pm	:	Presentation by Dr. Senjuti Saha
12:15 pm	:	Presentation by Dr. Sobhan Ubaidus
12:30 pm	:	Crest Distribution
12:45 pm	:	Vote of Thanks
01:00 pm	:	Pannel Discussion
01:30 pm	:	Speech of Secretary General
01:45 pm	:	Speech of President
02:00 pm	:	Lunch / Prayer Time
02:30 pm	:	Closing Announcement

Secretary
Health Services Division
Ministry of Health & Family Welfare
Govt. of The People's Republic of Bangladesh

Message

It is with great pleasure and honor that I extend my warmest greetings to each one of you on this auspicious occasion- the inauguration ceremony of the Bangladesh Dental Research Foundation's Oral Health Research initiative. I am deeply privileged to be a part of this momentous event that makes a significant stride towards advancing oral health in Bangladesh.

In the landscape of healthcare, dental research plays a pivotal role in not only understanding the intricacies of oral health but also in formulating strategies for prevention, diagnosis, and treatment. The establishment of the Bangladesh Dental Research Foundation is a testament to the nation's commitment to foster innovation and excellence in dental research.

Country like Bangladesh the importance of oral health cannot be overstated, initiatives like these are crucial. The pursuit of knowledge in oral health research not only enhances the quality of healthcare but also contributes to the overall well-being of the population. I commend the visionaries and dedicated professionals who have worked tirelessly to bring this foundation to fruition.

As we embark on this journey of exploration and discovery, let us remember that the impact of our efforts reaches far beyond the confines of laboratories and research centers. It extends to the communities we serve, touching the lives of individuals and families across Bangladesh. Through collaborative research, we have the power to shape the future of oral healthcare and improve the quality of life for countless individuals.

I encourage all researchers, clinicians and stakeholders involved to approach this endeavor with passion, dedication and a sense of responsibility. The team will undoubtedly contribute to the advancement of dental science and the betterment of society.

May the Bangladesh Dental Research Foundation be a beacon of inspiration, fostering innovation, collaboration, and excellence in oral health research. I wish the foundation every success in its noble mission and I look forward to witnessing the transformative impact it will undoubtedly have on the oral health landscape of Bangladesh.

Thank you for the privilege of being a part of this momentous occasion. May our collective efforts lead to a future where oral health is a cornerstone of overall well-being.

Md Jahangir Alam

Secretary
Medical Education & Family Welfare Division
Ministry of Health & Family Welfare
Govt. of The People's Republic of Bangladesh

Message

I extend my warmest greetings on this momentous occasion- the inauguration ceremony of the Bangladesh Dental Research Foundation's Oral Health Research initiative. As a guest, it is both an honor and a pleasure to be a part of this significant milestone in the pursuit of advancing oral healthcare in Bangladesh.

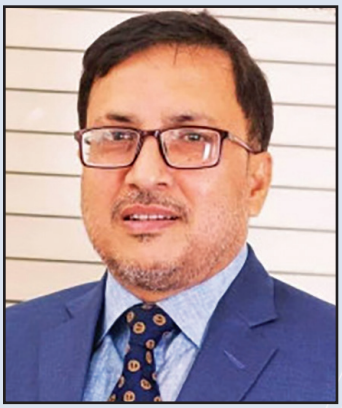
The establishment of the Bangladesh Dental Research Foundation reflects a commendable commitment to the betterment of oral health through dedicated research efforts. In the ever-evolving landscape of healthcare, dental research holds the key to understanding, preventing and treating oral health issues and I applaud the visionaries behind this foundation for recognizing its importance.

In a country where the health and well-being of its citizens are of paramount importance, initiatives like these play a crucial role. The impact of oral health research extends beyond clinics and laboratories, reaching into the heart of communities and positively influencing the lives of individuals and families. I commend all those involved in making this foundation a reality, knowing that your efforts will contribute to enhancing the overall health of the nation. As we embark on this collective journey towards advancing oral health, I encourage collaboration, innovation and a steadfast commitment to excellence. The outcomes of your research have the potential to shape the future of dental care in Bangladesh and beyond. To the researchers, clinicians, and all stakeholders, I express my sincere appreciation for your dedication and hard work. May the Bangladesh Dental Research Foundation serve as a catalyst for positive change and innovation in the field of oral health research. Wishing the foundation great success in its noble endeavors and looking forward to witnessing the transformative impact it will have on oral healthcare in Bangladesh.

Thank you for the privilege of being a part of this historic event.

Joy Bangla
Joy Bangabandhu
Long Live Bangladesh

Md. Azizur Rahman



Director General
Directorate General of Health Services
Govt. of The People's Republic of Bangladesh.

Message

It is truly an honor and a pleasure to extend my heartfelt greetings on this momentous occasion—the inauguration ceremony of the Bangladesh Dental Research Foundation's Oral Health Research initiative. As a guest, I am deeply moved to witness the commitment of Bangladesh to the advancement of oral health through dedicated research endeavors.
In the realm of healthcare, dental research stands as a cornerstone for understanding, addressing, and improving oral health outcomes. The establishment of the Bangladesh Dental Research Foundation is a testament to the nation's foresight in recognizing the significance of research in shaping the future of dental care.

In a country where the well-being of its people is paramount, initiatives such as these hold immense value. The pursuit of knowledge in oral health research not only refines clinical practices but also has a lasting impact on public health. I commend the visionary leaders and dedicated professionals who have contributed to the establishment of this foundation, recognizing its potential to transform oral healthcare in Bangladesh.

As we embark on this collective journey of exploration and discovery, let us be mindful of the profound impact our research can have on the lives of individuals and communities across Bangladesh. By fostering collaboration and innovation, we can elevate the standards of oral healthcare, positively influencing the overall health and quality of life of the population.
To the researchers, clinicians, and all stakeholders involved, I extend my sincere encouragement. Your dedication and contributions to oral health research will undoubtedly pave the way for a healthier and brighter future.

May the Bangladesh Dental Research Foundation flourish as a hub of inspiration, collaboration, and excellence in the field of oral health research. I offer my best wishes for the success of this noble endeavor and look forward to witnessing the positive transformations it will bring to the oral health landscape of Bangladesh.

Thank you for the privilege of being part of this significant event.

Prof. Dr A.B.M Khurshid Alam

Director General
Directorate General of Medical Education
Govt. of The People's Republic of Bangladesh.

Message

I extend my heartfelt greetings as we celebrate the inauguration of the Bangladesh Dental Research Foundation's Oral Health Research initiative. It is both an honor and a pleasure to be here at the beginning of what promises to be a transformative journey in Bangladesh's health sector.

The establishment of the Bangladesh Dental Research Foundation reflects a profound commitment to enhancing oral health through dedicated research efforts. In the dynamic landscape of healthcare, dental research is instrumental in understanding, preventing, and treating oral health issues. I commend the visionary leaders behind this foundation for recognizing the importance of such endeavors.

In a country where the well-being of its citizens is of paramount importance, initiatives like these hold immense value. The impact of oral health research extends beyond clinics and laboratories, reaching into the heart of communities and positively influencing the lives of individuals and families. I commend all those involved in making this foundation a reality, knowing that your efforts will contribute significantly to the overall health of the nation.
As we embark on this collective journey towards advancing oral health, I encourage collaboration, innovation, and a steadfast commitment to excellence. The outcomes of your research have the potential to shape the future of dental care in Bangladesh and beyond.
To the researchers, clinicians, and all stakeholders, I express my sincere appreciation for your dedication and hard work. May the Bangladesh Dental Research Foundation serve as a catalyst for positive change and innovation in the field of oral health research.

Wishing the foundation great success in its noble endeavors and looking forward to witnessing the transformative impact it will have on oral healthcare in Bangladesh.
Thank you for the privilege of being a part of this significant moment.

Prof. Dr Md Titu Mia

BDRF

President

Message

I am extremely delighted to welcome you all in the Inaugural Ceremony of Bangladesh Dental Research Foundation, the first research oriented organization in dentistry in Bangladesh. The main goal of the foundation is to encourage research activities in dentistry and share the research findings among the fellow dentists of the country. This will help to improve our knowledge and strengthen the oral healthcare delivery system of the country. We are also committed to collaborate the research activities with international institutions and organizations.

I am grateful to all the participants and guests who have taken the trouble of coming here to attend the ceremony and made our afford successful. I am also thankful to the different pharmaceutical companies and Mediplus for their kind support for making this event a grand success. I hope that it will help us to be involved in research activities for the betterment of the profession. Bangladesh Dental Research Foundation will always stands to materialize your original research protocol. Finally, I would like to thank all the members of the foundation who put their best efforts for the success of this inaugural Ceremony.

Professor Dr. Abul Kalam Bepari

BDRF

Secretary General

Message

It is with great enthusiasm and commitment that I address you as the Secretary General of the Bangladesh Dental Research Foundation (BDRF). Our mission is clear: to advance oral health in Bangladesh through collaboration with both national and international researchers. As we stand at the forefront of dentistry research, our collective goal is to make a lasting impact on the oral health sector in our nation.

The foundation of any thriving healthcare system lies in robust research, and dentistry is no exception. By fostering collaboration among researchers, clinicians, and policymakers, we aspire to elevate the standards of oral health in Bangladesh. Our commitment to excellence and innovation in dentistry research is unwavering.

In the pursuit of our objectives, we seek to create a dynamic platform that facilitates the exchange of ideas, knowledge, and expertise. This collaborative approach will not only enhance the quality of research but also contribute to the effective implementation of evidence-based practices in the field of dentistry.

The BDRF recognizes the importance of international partnerships in addressing the global dimensions of oral health. By forging alliances with researchers and institutions from around the world, we aim to bring cutting-edge technologies, methodologies, and best practices to Bangladesh. Through this exchange, we hope to strengthen the foundation of our own research initiatives and contribute meaningfully to the global discourse on oral health.

As we embark on this journey, I invite all stakeholders—researchers, practitioners, educators, and policymakers to join hands with the Bangladesh Dental Research Foundation. Together, we can pave the way for transformative advancements in dentistry research, ensuring a brighter and healthier future for the people of Bangladesh.

Dr. Md. Mosharraf Hossain khandker

Founding Members

President
Professor Dr. Abul Kalam Bepari

Secretary General
Dr. Md. Mosharraf Hossain khandker

Treasurer
Professor Dr. Labuda Sultana

Member
Professor Dr. Mostaque H Sattar

Member
Dr. A F M Shahidur Rahman

Member
Professor Dr. Borhan Uddin Howladar

Member
Professor Dr. Dipali Biswas

Member
Dr. Mahmood Sajedeen

Member
Dr.Abdullah Al Masud Khan

Aims and Objectives of
Bangladesh Dental Research Foundation

The Bangladesh Dental Research Foundation is committed to pioneering and expanding research in the field of dentistry in Bangladesh. Our mission is to elevate oral health and well-being by leading innovative research endeavors, disseminating knowledge, and fostering collaboration among dental professionals, institutions, and the community.

We are dedicated to:

* Spearheading cutting-edge research to address the critical gaps in dental knowledge and practice in Bangladesh.
* Cultivating excellence in dental education and training to cultivate a new generation of skilled dental professionals.
* Amplifying awareness of oral health and hygiene, particularly in underserved communities.
* Collaborating with national and international partners to strengthen the dental research landscape in Bangladesh.
* Upholding the highest ethical standards in all our research and educational pursuits.

Our vision:

1: Expand Dental Research Initiatives

To significantly increase the number and scope of dental research projects conducted in Bangladesh over the next five years.

2: Enhance Dental Education and Training

To elevate the quality of dental education and training in Bangladesh by collaborating with educational institutions and offering scholarships

3: Improve Oral Health in Underserved Communities

To implement outreach programs that promote oral health and hygiene in underserved and remote areas of Bangladesh, reducing oral health disparities.

4: Foster National and International Collaboration

To establish strong partnerships with national and international dental research organizations, institutions, and professionals.

5: Disseminate Research Findings

To publish research findings in reputed dental journals nationally and internationally.

6: Uphold Ethical Standards

To maintain the highest ethical standards in all research and educational activities, ensuring the integrity and credibility.

7: Raise Public Awareness

To increase public awareness about the importance of oral health and hygiene through educational campaigns, workshops, and public engagement initiatives.

8: Achieve Financial Sustainability

To secure sustainable funding sources, manage finances effectively, and ensure the long-term viability of the foundation.

Dr. Senjuti Saha, Ph.D
Director and Senior Scientist
Child Health Research Foundation (CHRF)

Title Talk

Sparse Means, Big Dreams: Defying Limits in Scientific Research in Bangladesh

In the crucible of resource scarcity, this talk, titled "Sparse Means, Big Dreams," explores the dynamic landscape of scientific research in Bangladesh. It unveils the tenacity and ingenuity of researchers who navigate challenges with determination, challenging the narrative of limitations. The narrative unfolds through tales of triumph over adversity, spotlighting individuals and groups achieving remarkable milestones despite constrained resources.

The talk delves into the crucial role of collaborations, both on a national and international scale, as catalysts for overcoming challenges and fostering innovation. It examines strategies employed to secure funding, shedding light on initiatives that support scientific research in a context of financial constraints.

Technological advancements emerge as transformative agents, reshaping research methodologies and enabling breakthroughs. The discussion also encompasses initiatives aimed at empowering the next generation of scientists, including educational programs and mentorship efforts shaping the future of research in Bangladesh.

In conclusion, the talk contemplates the future trajectory of scientific research in Bangladesh, pondering its potential global impact. "Sparse Means, Big Dreams" encapsulates the spirit of resilience and determination characterizing the scientific community in Bangladesh, offering insights into how dreams can defy limits and inspire a new era of innovation.

Dr. Sobhan Ubaidus
BDS, Ph.D
Assistant Professor
Tokyo Dental College

Research Presentation

Title: "Digital Dental Transformation for Enhanced Oral Health Care and the Power of Research: Exploring Boundless Opportunities"

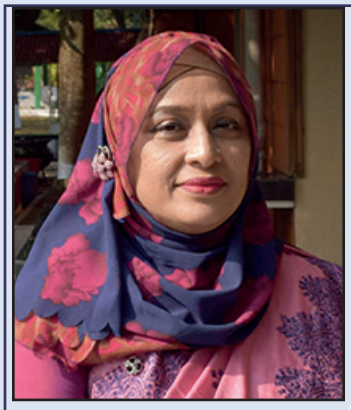
Digital Dental Transformation refers to the integration of digital technologies and tools into dental practices to enhance oral healthcare delivery. The objective of digital dental transformation is to improve various aspects of dental care, including diagnosis, treatment planning, patient communication, and overall treatment outcomes.

Benefits of Digital Dental Transformation

1. Enhanced Diagnostic Capabilities: Digital imaging technologies such as cone beam computed tomography (CBCT) and intraoral scanners provide detailed and accurate images of the oral cavity, allowing dentists to make more precise diagnoses.
2. Improved Treatment Planning: Digital tools enable dentists to create virtual treatment plans, which can be visualized and modified before actual treatment begins.
3. Efficient Workflow: Digital dental technologies streamline various workflows within a dental practice and communication between dental professionals and patients.
4. Patient Engagement and Education: Digital tools allow for better patient engagement and education.
5. Precision and Predictability: Digital technologies such as computer-aided design and computer-aided manufacturing (CAD/CAM) systems enable the creation of highly precise dental restorations, such as crowns and bridges. This improves the fit, aesthetics, and durability of the restorations.
6. Remote Consultations: Dentists can remotely assess and diagnose oral health conditions, provide recommendations, and monitor treatment progress, reducing the need for in-person visits, especially in situations where access to dental care is limited.

Conclusion

Digital dental transformation offers numerous advantages in enhancing oral healthcare delivery. By leveraging digital technologies, dental practices can improve diagnosis, treatment planning, patient engagement, and treatment outcomes. However, it is essential to carefully consider the associated costs, training needs, data security, and interoperability challenges before implementing digital dental solutions.



Professor Dr. Labuda Sultana
DDPH Rcs , England, MSc (DPH), King's College, London.
Principal & Head Dept. Of Paediatric Dentistry,
Bangladesh Dentaĺ College
Member,BM& DC (Representative of Bangladesh Private Dentaĺ College)

Awarded Research Protocol

Title

The effect of blood clot as scaffold on apical root formation in young permanent teeth.

Introduction

Management of an immature permanent tooth that has been irreversibly damaged or with pulp necrosis poses a great challenge to the pediatric dentist as the apical closure has not yet formed. The apical diameter of the root canal is often larger than the coronal diameter, which causes difficulty in debridement of infected pulp tissues. The thin fragile canal walls are also prone to fracture. Apexification has been the treatment of choice in teeth with open apex for the last five decades. In apexification of a tooth with open apex, the lack of apical stop leads to the extrusion of root canal filling material. This makes the intact seal of root canals in all dimensions virtually impossible. In this unsatisfactory situation, there is need for a better contemporary therapeutic treatment modality. Recently, a revolutionary line of research has been focused on regenerative endodontics with the aim to develop a material that can revascularize the pulp through the help of tissue engineering. The end goal is to regenerate the tissues of the bioengineered tooth.

Study Objectives

The general objective of this is to evaluate the effect of blood clot as scaffold on apical root formation in young permanent tooth. More specifically, this research aims to evaluate the progression of apical root formation, to examine the presence or absence of apical radiolucency by radiographic analysis and to examine the presence or absence of pain clinically during follow up visits in multiple intervals.

Study Materials and Methods

Inclusion criteria:

- Immature permanent tooth with irreversible pulpitis or pulp necrosis.
- Crown of the tooth is restorable.

Exclusion criteria:

- Patients who had history of trauma and/or internal and external resorption.
- Presence of developmental anomalies e.g. dens invaginatus and dens evaginatus.

This is a prospective clinical study and the duration will be 2 years. Samples will be taken from 3 hospitals of Bangladesh: Bangladesh Medical and Dental College Hospital, BSMMU Hospital and Sylhet MAG Osmani Medical College Hospital. A total of 60 samples will be taken, 20 from each hospital by purposive consecutive sampling procedure.

Patients aged between 8 and 14 years will be selected and after local anesthesia and isolation, access cavity will be prepared and canals will be prepared, irrigated and dried. After that, triple antibiotic paste (TAP) will be applied inside the canals, then access cavity will be filled and left for 2 weeks. In the 2nd appointment, TAP will be removed and canals will be irrigated. Then apical bleeding will be introduced and MTA will be placed. In the 3rd appointment, permanent restoration will be placed. Periodic follow up will be conducted until 2 years after the 1st appointment.

Dr. Md. Al-Amin Sarkar
BDS, FCPS (Prosthodontics)
Junior Consultant
Department of Prosthodontics
Dhaka Dental College Hospital

Awarded Research Protocol

Title

Comparison of positional accuracy in dental implant placement between conventionally used guide pin and 3D printed surgical guide developed from CBCT.

Abstract

Background

The study is designed to address the precision of dental implant surgeries across the world, especially where the intraoral scanner is not present. Introducing dental software and guided surgery has already achieved higher accuracy in implant surgery. Several patients from several privileged parts of the world are getting the benefits of surgical guides.

Objective of the study

In the study, we aim to compare the accuracy between full-guided and guide-pin-assisted dental implant surgeries. The surgical guides will be developed using 3D printing technology. The basis of evaluation in each case is comparing the preoperative digital plan with the actual postoperative status.

Material and method

In this study, twenty-eight implant patients will be selected and assigned randomly to two groups for full-guided, and guide-pin assisted surgery in a 1:1 ratio. Preoperative assessment of the implant/angulation plan of the surgical guide will be calculated using the 3D simulation model by the study physician. The 3D-printed surgical guide will assist the implant surgery of the treatment group, and the control group will be assisted by a guide pin following the conventional way. Then, the positional accuracy will be calculated by comparing the preoperative digital plan with the actual postoperative status. Finally, the accuracy of both approaches in dental implant placement will be compared. The study population will be comprised of patients who are intended for a dental implant in the Implant & CAD/CAM Center, Dhaka Dental College Hospital, from August 2023 to July 2024, with informed consent of the trial study.

Dr. Osama Bin Noor (BDS)
Founder, My Dentist and Consultant
An Aspiring Digital Health Researcher

Awarded Research Protocol

Title: Preparedness for Teledentistry: A Cross-Sectional Study Among Diverse Youth in Bangladesh

Purpose: Bangladesh faces a shortage of dentists, with only about one dentist per 100,000 people. This leads to limited access to dental care. Teledentistry helps bridge this gap by allowing patients from every corner of the country to consult with dentists without traveling long distances or facing transportation challenges. The data-driven outcome will enable healthcare leaders, professionals, and authorities to comprehend Bangladesh's readiness for digital oral healthcare services for its citizens.

Objective: The primary objective of this study is to understand the perspective of patients on Teledentistry and their readiness. The purpose of the study is to contribute to better oral health outcomes for the Bangladeshi population through improving access to dental care, reducing costs, promoting early diagnosis and prevention, providing specialized expertise, enabling remote patient monitoring, enhancing dental education, and supporting individuals with disabilities.

Methodology: This study will utilize a cross-sectional research design, collecting data from a diverse group of participants. The study will target a purposive and representative sample of students aged 18 - 35 from various regions across Bangladesh, including youth with disability, different ethnic minority, and women. Ensuring participants' confidentiality and informed consent. Participants will be provided with information about the study's purpose, procedures, and their rights, and they will have the option to withdraw from the study at any point without repercussions.

Dr. Adily Adib Khan (BDS)
Founder, AAKA Foundation

Awarded Research Protocol

Title: The study on knowledge, Attitude and Practice among female household workers in Dhaka city (North) regarding Oral hygiene

Purpose:
Oral cavity diseases are currently one of the world's most prevalent disorders. The most significant factor in prevention is maintaining good dental hygiene. Some research has been conducted on the maintenance of oral hygiene among pregnant women, working women, the general public, physicians, and students. However, no research on female household workers is currently being conducted in Bangladesh. The study will look into the current level of oral hygiene knowledge, attitude, practise, and awareness. We will be able to determine how many people are aware of the need of maintaining a healthy mouth environment. The study's findings can be shared with administrative authorities or broadcast in the media to identify gaps and take appropriate action in the current scenario.

Objective of the Study:
The objective of the study is to the level of knowledge, attitude and practice towards oral hygiene Maintenace among female household workers.

Material and Method:
This is a descriptive cross-sectional study. In this study people will be selected randomly from different places where household workers are residing. The whole study period will be November 2023 to May 2024. According to sample size we will use this formula.
n= z2pq/d2
Here,
n= Desired Sample Size number
Z= Standard Normal deviation (Usually set as 1.96 corresponding to 95% CI)
p proportion among female house-hold workers having knowledge about oral hygiene maintenance (0.5 as there is no reasonable estimate, and then we should use 50%) MSM study 25
q1-p-1-0.5-0.5
d=Degree of accuracy desired usually set as .05% for 95% level of confidence and 5% errors (to be allowed), the sample size for p 50% was set at: n= (1.96) 2×0.5×0.5/ (0.05) 2
=384.16~385
Based on this calculation, 385 observations would be sufficient to detect the expected value. To make complete and inconsistent responses, it will be increased by 5% making my final sample size is 405.