



**A GLIMPSE AT
THE FACE OF
MODERN
DENTISTRY**

Transforming Dentistry For Good

Conference

**The Latest Methods in
Increasing The Efficiency
and Quality in Dentistry**

18-19/5/2022



السلام
الله
الرحمن
الرحيم



————— Under the patronage —————

HRH Prince Badr bin Sultan bin Abdulaziz Al Saud
The Deputy Governor of Makkah Province

Content

Introduction	5
Goals	7
The Conference and Vision 2030	8
Conference Topics	9
Timetable	14
Targeted Groups	16
Scientific Events	17
Workshops	22
Partners	32



5

Introduction

Introduction



The progress in scientific research and the technical and programmatic development that emanated from it in our time has made it easy for us to overcome many of the challenges facing us in various fields, and open new horizons in providing high quality and efficient services, especially in dental health services. Researchers in the field of dental services have worked to benefit as much as possible in modern technical methods, artificial intelligence to raise the level of efficiency and quality in the services provided, which leads to the maximum benefit of the individual and society from those services .

Improving the quality and efficiency of health services provided to the community is one of the most important goals of the Ministry of Health, which it has set based on the initiative of the Ministry of Health of Vision 2030, among a number of other goals related to the health sector. In this regard, we present you a proposal to hold a scientific conference on the latest methods used in the field of dentistry, which have been developed based on the results of evidence based research, which have been used to develop many of the artificial intelligence programs and modern communication techniques.

Goals



1



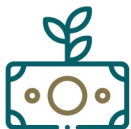
Creating an inspiring knowledge base for the academic community to learn about the latest scientific research findings that contribute to enriching this renewed health sector, and to reveal research gaps that will advance the qualitative development forward

2



Enabling dental students to evaluate and determine their professional and research paths based on the future trends of the sector, building bridges of communication with academic experts and discussing ways of cooperation with them

3



Revealing of promising investment opportunities in the dental sector by enabling relevant business entities to know the future needs of this growing sector

4



Providing a platform that brings together stakeholders from the public and private sectors to find opportunities for future cooperation in areas of common interest



The Conference and The Ambitious 2030 Vision

The conference topics are designed to guide the future of the dental sector and to be a source of inspiration for aspiring stakeholders to make a qualitative leap that contributes to enriching the experience of the beneficiaries in health services. The importance of the conference in harmony with the strategic directions of the ambitious vision in terms of



1

Its alignment with the strategic objectives of the Ministry of Health aimed at improving the quality and efficiency of health services provided to the community



2

Highlighting the role of the dental sector in promoting environmentally friendly practices



3

The future of the workforce for this vital sector and the role of women in promoting its growth

8



9

Conference Topics



Topics

1



Teledentistry

2



Dental Global Workforce Issues

3



**In-office 3D Surgical Guides
Fabrication, Is It The Future?**

4



**The Essential Role of Laboratory
Research in Evidence-Based Practice**

5



**The Role of Scientific Research and
Evidence - Based Practices in The Fields of
Medicine to Improve The Efficiency &
Quality of Care Provided**

6



Domiciliary Dentistry

7



**The Emergence of Systematic
Reviews: Did it Improve The Quality
of Research in Dentistry ?**

8



Audit in Health Institution



Topics

9



Challenges facing primary care sector in the health services & how to overcome them

10



How Digital Technology Has Enhanced Patient Experience in Dentistry

11



The implementation of Cognitive Behavior Therapy in Dentistry

12



Artificial Intelligence in Dentistry



List of Speakers

Day 1

1

The Role of Scientific Research and Evidence - Based Practices in The Fields of Medicine to Improve the Efficiency & Quality of Care Provided.



Dr. Khalid Aboalshamat.

2

Artificial Intelligence in Dentistry.



Prof. Mohammed Islam

3

Domiciliary Dentistry.



Dr. Ellie Heidari

4

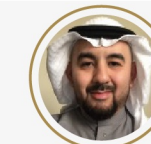
The implementation of Cognitive Behavior Therapy in Dentistry.



Dr. Heba Faden

5

How Digital Technology Has Enhanced Patient Experience in Dentistry.



Dr. Amin Marghalani

List of Speakers

Day 2

1

Audit in Health Institution.



Dr. Reham Alharatani

2

The Emergence of Systematic Reviews: Did it Improve The Quality of Research in Dentistry?



Dr. Abdullah A Marghalani

3

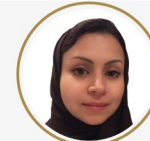
In-office 3D Surgical Guides Fabrication, Is It The Future?



Dr. Mohammed H Hassan

4

The Essential Role of Laboratory Research in Evidence-Based Practice



Dr. Elham Alsahafi

4

Tele-Dentistry.



Dr. Alaa Qari

6

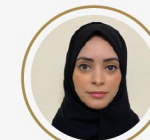
Challenges facing primary care sector in the health services & how to overcome them.



Dr. Majed Obaid

7

Dental Global Workforce Issues (Women empowerment).



Dr. Shahinaz N. Sembawa

Day 1

Conference Schedule

Start of Registration & Morning Beverages	8:00 - 9:30 AM
The Role of Scientific Research and Evidence - Based Practices in The Fields of Medicine to Improve the Efficiency & Quality of Care Provided	9:30 - 10:30 AM
Artificial Intelligence in Dentistry	10:30 – 11:30 AM
Domiciliary Dentistry	11:30 – 12:30 PM
Pray + Lunch Break in King Saud Hall	12:30 – 1:30 PM
Opening Ceremony	1:30 – 2:30 PM
The implementation of Cognitive Behavior Therapy in Dentistry	2:30 – 3:30 PM
How Digital Technology Has Enhanced Patient Experience in Dentistry	3:30 – 4:30 PM

Timetable

Day 2

Conference Schedule

Start of Registration & Morning Beverages	8:00 - 9:30 AM
Audit in Health Institution	9:30 - 10:20 AM
The emergence of systematic reviews: did it improve the quality of research in dentistry?	10:20 - 11:10 AM
3D Imaging Technology in Oral & Maxillofacial Surgery	11:10 - 12:00 PM
Pray + Lunch Break in King Saud Hall	12:00 - 1:00 PM
The Eessential Role of Laboratory Research in Evidence-Based Practice	1:00 - 1:40 PM
Tele-Dentistry	1:40 - 2:30 PM
Challenges Facing Primary Care Sector in The Health Services & How to Overcome Them	2:30 - 3:10 PM
Dental Global Workforce Issues (Women Empowerment)	3:10 - 3:50 PM
Panel Discussion & Closing Ceremony With winners' Nomination	3:50- 4:30 PM



Conference Targeted Group



Targeted Groups



**Private
sector**



**Decision makers
from the Ministry of
Health**



**Students for
undergraduate and
postgraduate
studies**



**Academics
researchers**



Duration
Two Days





17

Scientific Events



Scientific Research Day

The Power of Innovation In Dental Research

Introduction

Scientific research underlies the pillars of the Kingdom's 2030 Vision. Umm Al-Qura University was built with the aim of becoming a world leader in scientific research and a well-established port for quality evidence-based scientific publications. In furtherance of these aims, and in order to encourage healthy competition between researchers, the scientific research day (Innovation in Dental Research) will be held at the Umm Al-Qura College of Dentistry.

Tracks



Tracks



Innovations in
Dentistry



Posters



Presentations



Targeted Group

1

Dental
students
&
Interns

2

Postgraduate
Studies Students

3

General Dentists
Specialists &
Consultants

4

Faculty
Members



Duration
Two Days

Event objective

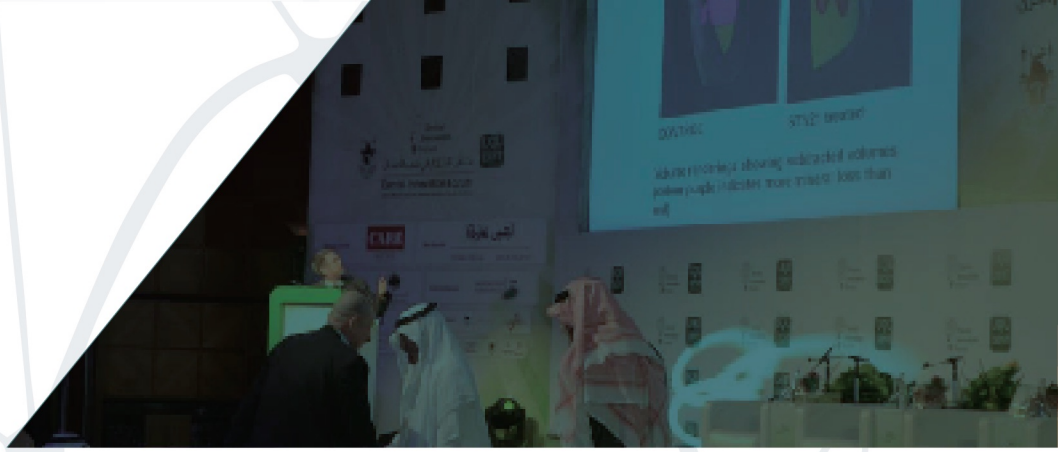
To highlight the innovative ideas of students in the field of dentistry
and to develop their research skills





Goals

- 1- Evolving the scientific research foundations at Umm Al-Qura College of Dentistry.
- 2- Enriching the communication and the exchanging of expertise between researchers of different dental colleges in Saudi Arabia.
- 3- Showcasing the outputs of ongoing scientific projects in Umm Al-Qura University and other dental colleges.
- 4- Demonstrating the capabilities of scientific research and researchers to the public community.
- 5- Ensuring that scientific research interacts with the community and its specific needs.
- 6- Building and growing stronger research-oriented communities.
- 7- Encouraging and motivating dental students to follow their curiosity in an informed manner.
- 8- Documenting eligible research works at the Saudi Arabian Division of International Association for Dental Research (IADR).
- 9- Encouraging healthy competitions between students across multiple specialty areas



Participation Method

Applications of research abstracts will be done through a link available on Umm Al-Qura College of Dentistry website page.

Scientific Evaluation Committee

All participations will be evaluated by a committee of evaluators determined by the office of scientific research affairs of Umm Al-Qura University. Those evaluators will be faculty members with substantial expertise in their fields, from varying dental colleges in Saudi Arabia.



22

Workshops

Timetable

Day 1

Workshops Schedule

Workshop	Time	Location
Simplicity vs. Complexity in Dental Implant	9:00 AM - 6:00 PM	Umm Al-Qura University Faculty of Dental Medicine First floor multi-purpose 03 - 1.070
Planning and Execution of Direct Composite Veneers	9:00 AM - 5:00 PM	Umm Al-Qura University Faculty of Dental Medicine First floor Phantom lab A1-141
Application of Laser in Restorative Dentistry	9:00 AM - 12:00 PM	Umm Al-Qura University Faculty of Dental Medicine First floor Phantom lab 03 - 1.057



Timetable

Day 2

Workshops Schedule

Workshop	Time	Location
Practical skills in Research	9:00 AM - 6:00 PM	Umm Al-Qura University Faculty of Dental Medicine UQUDENT Library
Digital Workflow in Implant Dentistry (Surgical and Prosthetic planning)	9:00 AM - 5:00 PM	Umm Al-Qura University Faculty of Dental Medicine First floor Phantom lab A1-141
Non-surgical Endodontic Road Map: From Scratch to success	9:00 AM - 6:00 PM	Umm Al-Qura University Faculty of Dental Medicine First floor Phantom lab 03 - 1.057





Dr. Ammar Mahfouz

Simplicity vs. Complexity in Dental Implants

Workshops Objectives:

- To assess and apply all scientific knowledge and skills for maximizing management and treatment workflow.
- To be aware and familiar with definition and terminology of all surgical and prosthetic components of dental implantology. To understand the biological basis between dental implant and host tissues.
- To establish an organized approach and respect protocols & strategies of implant dentistry.
- To perform hands on workshop for: flap incisions designs, suturing, reading and analysis of CBCT and both surgical with prosthetic steps and procedures on artificial bone
- Dramatic revolution from Classical to Digital workflow.



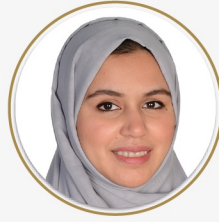
Dr. Ammar Mahfouz

Simplicity vs. Complexity in Dental Implants

Time	Outlines
9:00 – 10:00 am	Introduction of daily complication in implant workflow
10:00 – 11:00 am	Utilizing best option for designing treatment plan
11:00 – 12:00pm	Surgical considerations in implant workflow
12:00 – 1:00 pm	Lunch and prayer
1:00 – 3:00 pm	Prosthodontic consideration in implant workflow
3:00 – 3:30 pm	From Classical to Digital workflow
3:30 – 6:00 pm	Hands-on Workshop Q & A



Dr. Khaled Althaqafi



Dr. Hetaf Redwan

Planning and Execution of Direct Composite Veneer

Workshops Objectives:

- Clinical indications, limitations and challenges of anterior direct composites.
- Analyzing esthetics and tooth morphology.
- Putty impression and layering composite technique.
- Instruments and techniques of finishing and polishing to achieve macro and micro anatomy.

Time	Outlines
9:00 – 10:00 am	Smile Analysis and Teeth preparation
10:00 – 11:00 am	Smile Analysis and Teeth preparation
11:00 – 12:00 pm	Composite Layering Technique
12:00 – 1:00 pm	Lunch and prayer
1:00 – 2:00 pm	Composite Layering Technique
2:00 – 3:00 pm	Composite Veneer Finishing and Polishing
3:00 – 4:00 pm	Composite Veneer Finishing and Polishing Q & A



Prof. Turki Bakhsh

Application of Laser in Restorative Dentistry

Workshops Objectives:

- Learn laser's fundamentals and types of lasers.
- Identify the main difference between Er,Cr:YSGG laser and Diode laser.
- Explore the effect of different dental lasers on dental tissues.
- Understand the benefits of integration dental laser in clinical practice.
- Learn different applications of dental lasers.

Time	Outlines
9:00 – 10:00 am	Dental laser lecture
10:00 – 11:00 am	Demonstration on dental laser settings and safety protocols
11:00 12:00 pm	Hands on different applications of dental lasers Q & A



Dr. Salwa Aldahlawi

Practical skills in Research

Workshops Objectives:

- Explain the principles of Evidence-Based Medicine.
- Critique & read studies efficiently & Write efficient proposals.
- Prepare manuscript addressing all steps: writing introduction and discussion, formatting tables.
- Discuss Authorship & Publication process, journal selection, cover letter & response to reviewers.

Time	Outlines
9:00 – 10:00 am	Introduction and open discussion
10:00 – 11:00 am	Principles of Evidence-Based Medicine
11:00 – 12:00 pm	How to read an article and conduct Literature review
12:00 – 1:00 pm	Lunch and prayer
1:00 – 3:00 pm	Practical tips in preparing and publishing manuscripts
3:00 – 3:30 pm	Authorship
3:30 – 6:00 pm	Round table discussion: reflection and feedback Q & A



Dr. Mansour Alghamdi



Dr. Amin Marghalani



Dr. Dalia Nourah



Dr. Alaa Makki

Digital Workflow in Implant Dentistry (Surgical and Prosthetic planning)

Workshops Objectives:

- To Recognize digital technology advantages in the workflow of implant dentistry.
- To identify the clinical applications of digital technology in implant dentistry.
- To digitally treatment plan an implant case using a digital implant planning software.
- To perform a hands-on oral scanning, surgical guide and prosthesis designing.
- Discuss different obstacles facing researchers and how to come over them

Time	Outlines
9:00 – 9:15 am	Overview of Digital Workflow
9:15 – 10:00 am	Surgical Consideration
10:00 – 12:00 pm	Digital Implant Treatment Planning
12:00 – 1:00 pm	Lunch and prayer
1:00 – 1:30 pm	Prosthetic-Driven Implant Planning
1:30 – 2:00 pm	Prosthesis Designing
2:00 – 5:00 pm	Surgical Guides and Prosthesis Design Q & A



Dr. Abdelrahman Alhilou



Dr. Haytham Jaha

Non-surgical Endodontic Road Map: From Scratch to Success

Workshops Objectives:

- Understanding steps of successful scientific diagnosis.
- Learn how to interpret endodontic radiograph.
- Understand the principle of root canal system instrumentation and root canal obturation
- Identify the methods for creating a professional road map to do safe non-surgical root canal treatment (NSRCT).

Time	Outlines
9:00 – 10:00 am	The art of scientific diagnosis and radiographic interpretation.
10:00 – 11:00 am	Instrumentation and Obturation
11:00 – 12:00 pm	Create road map for safe NSRCT
12:00 – 1:00 pm	Lunch and prayer
1:00 – 3:00 pm	Create road map and perform safe NSRCT under microscope
3:00 – 3:30 pm	Real life in Endodontics
3:30 – 6:00 pm	Q & A in Endodontics

The background of the entire page is a photograph of two hands shaking in a firm grip. Overlaid on this image is a semi-transparent teal-colored geometric pattern consisting of interconnected lines and circular nodes, resembling a molecular or network structure. The overall color palette is dominated by teal and dark blue tones.

32

Partners



Strategic Partners



وزارة الصحة
Ministry of Health



الهيئة السعودية للتخصصات الصحية
Saudi Commission for Health Specialties



Scientific Partners



IADR

International Association
for Dental Research

Saudi Arabian Division



الجمعية السعودية لطب الأسنان

SAUDI DENTAL SOCIETY



الجمعية السعودية للاستعاضة السنية
Saudi Prosthodontic Society



الجمعية السعودية لطب أسنان الأطفال
Saudi Society of Pediatric Dentistry



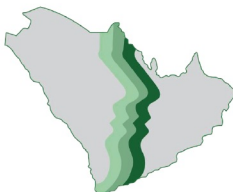
AMERICAN
MOBILE &
TELEDENTISTRY
ALLIANCE



الجمعية السعودية لتقويم الأسنان
Saudi Orthodontic Society

SSOMS

Saudi Society of Oral
& Maxillofacial Surgery
الجمعية السعودية لجراحة
الفم والوجه والفكين



SSP

الجمعية السعودية لأمراض وجراحة اللثة
Saudi Society of Periodontology



SDTS

الجمعية السعودية لتقنية الاسنان
Saudi Dental Technology Society



Community Partners

جمعية ابتسم

لخدمات طب الأسنان التطوعية

مريضة من وزارة الموارد البشرية والتنمية الاجتماعية برقم (١٣٣٤)



جمعية بادر

للأجهزة الطبية

بمنطقة مكة المكرمة

ترخيص رقم: (١١١)

درهم
وقاية | Weqaya

الجمعية الخيرية للرعاية الصحية الأولية

Primary Health Care Charity Society





كلية طب الأسنان
FACULTY OF DENTAL MEDICINE



For more information visit
لمزيد من المعلومات الرجاء زيارة الموقع



Contact us
للتواصل عن طريق البريد الالكتروني
uqudentconference@uqu.edu.sa