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مطابع جامعة الملك فيصل Toths-e

KING FAISAL UNIVERSITY

COLLEGE OF DENTISTRY

THE SEVENTH ANNUAL SCIENTIFIC SYMPOSIUM

DIGITIZATION IN DENTISTRY

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The Seventh Annual Dental Update "Digitization in Dentistry"

Message from the Chairman of Organizing Committee:

On behalf of the College of Dentistry at KFU, it is with great pleasure to welcome all participants to our annual meeting of 2009.

Knowledge is power, and the benefit of digital transformation in the field of dentistry is now becoming a key element in the way dentistry is practiced, as well as managed. This also includes the comprehensive methods used in dental education. Various aspects of dentistry, including accumulation of data, the processing thereof, the formulation of a diagnosis as well as the presentation of a treatment plan to a patient, are now entering the digital era. New possibilities thus now exist whereby patient care can be improved, including the patient-doctor relationship. Virtual-reality software now allows patients to compare potential changes in function and form. The ultimate result in the digital transformation of dentistry will be consumer empowerment.

It is our wish that you participate and enjoy our annual scientific program, and experience the excitement of the new age of digitization in dentistry.

Dr. Fahad Al Harbi
Vice Dean for Academic Affairs
College of Dentistry, KFU

College Overview

The Kingdom of Saudi Arabia (KSA) has, throughout its history, taken utmost pride in the number and variety of its academic programs.

With the passing of each new decade the Kingdom has witnessed the development of new scientific disciplines and the establishment of more colleges and universities. Most of these universities and colleges are vibrant and rich in ideas, contributing not only to our student's education but also to the regional growth and prosperity.

The College of Dentistry at King Faisal University fosters the dissemination of knowledge to all disciplines and promotes development in dental education, treatment, and research.

This will translate the values of the university from theory to practice utilizing the assets of openness, respect, commitment, integrity, and intellectual honesty in a milieu of consensus among students, faculty, and the professionals.

College Mission

The College of Dentistry in King Faisal University is to be recognized nationally and internationally for excellence in the tripartite mission of dental education, dental and oral health care, and research.

College Objectives

The institutional objectives will include:
Train oral and health care professionals to acquire the necessary knowledge, skills, and attitude to become competent professionals

The Seventh Annual Dental Update "Digitization in Dentistry"

Introduction:

The plethora of existing and emerging digital technologies being utilized in dental education treatment is vast. Lately, this technology has provided accuracy, reliability, and convenience to services offered to patients. All different dental disciplines have been significantly affected with the new dental armamentarium that has improved educational and treatment outcomes. Dentists are obliged to be updated and aware of these technologies and to become comfortable with their use. As a continuation of the role which the College of Dentistry plays in dental education, the title of "Digitization in Dentistry" has been selected for the seventh annual dental symposium.

Aim:

Introducing and updating participants about different educational and treatment approaches driven by digital dental technology.

Objectives:

At the end of the meeting, participants shall:

- Understand how technology influences the digitization of dentistry.
- Be orientated about different strategies to better examine and diagnose oral conditions.
- Be updated on new techniques performed with the aid of latest technology.
- Be orientated and updated on the latest issues about oral cancer screening, diagnosis, and therapy.
- Have better understanding of therapeutic methods using latest technologies to achieve superior results.
- Acquire knowledge of different restorative techniques using technologically advanced dental materials.
- Have the chance to participate in hands on training on micro-surgical techniques in periodontal treatment.
- Learn about new trends in implant restorations.
- Be exposed to new dental implant systems and techniques that make the professional career easier and enjoyable.
- Obtain professional knowledge from experts in the field.
- Be exposed to current restorative materials and procedures.

Program Schedule
May 27, 2009

07:00 – 08:25	Reception and Registration
08:25 – 08:30	Introduction of First Session Chairmen **Prof. Abdulla Al Shammari** **Dr. Saud Orfli**
08:30 – 09:15	Electronic Educational Resources in Dentistry: Benefits, Formats, and Application **Prof. Charles Goodacre**
09:15 – 09:45	Digitization in Dental Education **Dr. Khalifa Al Khalifa**
09:45 – 10:15	Transforming Dentistry with Technology: The Digital Office **Dr. Tarik Al Juhani**
10:15 – 10:30	Converging dental technology and your future **Dr. Alabaas Hamiddudin**
	Coffee Break
10:30 – 11:15	Microsurgery in Periodontal Plastic Surgery **Prof. Serge Dibart**
11:15 – 12:00	Tooth Retention through Root Canal Treatment or Tooth Replacement using Implants or Fixed Partial Dentures: Which one is best? **Prof. Charles Goodacre**
12:00 – 12:15	Prayer Time
12:15 – 13:15	Lunch
13:10 – 13:15	Introduction of Second Session Chairmen **Prof. Charles Goodacre** **Dr. Alabaas Hamiddudin**
13:15 – 14:00	Multiple Implant Placement in the age of Digital Dentistry: Pros and Cons **Prof. Serge Dibart**
14:00 – 14:30	Digital Dental Radiograph **Dr. Emad Khan**
14:30 – 15:00	Orthodontics in the 21st Century **Dr. Mohammad Yasser Tabbaa**

Program Schedule
May 28, 2009

07:00 – 08:25	Reception and Registration
08:00 – 08:05	Introduction of First Session Chairmen **Dr. Abdulghani Mira** **Dr. Manal Al Mohaisen**
08:05 – 08:30	Endodontics in Digital Era **Dr. Khalid Merdad**
08:30 – 09:00	Transforming Dentistry with Technology: Material Evolution **Dr. Tarik Al Juhani**
09:00 – 10:00	Metal-free Restorations Using the Lava™ CAD/CAM System – Part 1 **Prof. Carlos Sabrosa**
10:00 – 10:15	Coffee Break
10:15 – 11:15	Metal-free Restorations Using the Lava™ CAD/CAM System – Part 2 **Prof. Carlos Sabrosa**
11:15 – 12:00	Using cone beam technology to plan third molar surgery; Is it useful? **Dr. Kamal Busaidy**
12:00 – 12:15	Prayer Time
12:15 – 13:15	Lunch
13:10 – 13:15	Introducing Second Session Chairmen **Dr. Asim Al Ansari** **Dr. Suliman Al Tamimi**
13:20 – 14:00	Diode Laser in Periodontal Tissue Surgery. **Dr. Khalid Nazmi Said**
14:00 – 14:30	Prosthodontic Case Management **Dr. Hassan Abed**
14:30 – 15:00	Orthodontic diagnosis and treatment planning: An update to General Practitioner **Dr. Abdallah Aldrees**

Prof. Charles Goodacre

Loma Linda Dental School - USA

Dr. Charles Goodacre graduated from Loma Linda University School of Dentistry, Loma Linda, California, USA where he obtained his Doctor of Dental Surgery degree in 1971. He's MSD was obtained from Indiana University School of Dentistry, Indianapolis, Indiana in 1974. He is currently a Co-Director for Implant Dentistry, RESD 854, and the Dean of the College of Dentistry in Loma Linda Dental School.

Dr. Charles Goodacre is a member of various Dental Organizations internationally and locally. He also has published numerous numbers of articles in various dental journals.

Electronic Education Resources in Dentistry: Benefits, Formats, and Application

Prof. Goodacre

(08:30-09:15 May 27, 2009)

The merging of two synergistic processes is introducing a new era of dental education. The development of electronic education resources, coupled with a focus on the learner and their participation in the process, offers incredible possibilities for enhanced learning. This presentation will identify the benefits of electronic resources, describe, and demonstrate interactive, navigable, nonlinear program formats that have been effectively used, and also show recently developed programs that provide a glimpse into future possibilities.

Tooth retention through Root Canal Treatment or Tooth Replacement using Implants or Fixed Partial Dentures: Which One is best?

Prof. Goodacre

(11:15-12:00 May 27, 2009)

Dental implants have changed long-standing paradigms of prosthodontics treatment planning due to their clinical success and the benefits they provide for patients. As a result, dental professionals must make new and sometimes difficult decisions. This presentation will identify and discuss the factors that determine whether root canal treatment should be performed on a tooth or whether it should be extracted and replaced by a dental implant or conventional fixed partial denture. The factors will be presented based on the best available scientific evidence combined with 37 years of clinical practice experience.

Prof. Serge Dibart
Boston University - USA

Dr. Serge Dibart obtained his Doctor of Dental Surgery degree at Aix-Marseilles University, School of Dental Medicine. His degree as a Doctor of Dental Medicine was obtained from Boston University Goldman School of Dental Medicine. Dr. Dibart has been granted numerous numbers of researches which most of it has been published in different dental journals.

Microsurgery in Periodontal Plastic Surgery
Prof. Dibart
(10:30-11:15 May 27, 2009)

Microsurgical techniques of flap design and suturing have become an essential part of the cosmetically oriented periodontal and implant practice. Superior esthetic results, as well as increasing patient acceptance for minimally invasive procedure have made it a "must know" for the modern progressive esthetic dental practice.

Multiple implant placement in the age of Digital Dentistry: Pros and Cons
Prof. Dibart
(13:15-14:00 May 27, 2009)

How are the new development in technology and imaging impacting the teaching and practice of implant dentistry? Is technology a friend or a foe when it comes to replacing multiple teeth? Are we still in the pilot's seat?

Microsurgical Periodontal Techniques (Workshop)
Prof. Dibart
(01:30-07:30 p.m. May 28, 2009)

Magnification during delicate dental surgery enhances aesthetic results while decreasing healing time, patient discomfort, soft tissue injury and swelling. This one–day participatory course, which is designed for general practitioners and specialists, focuses on basic micro-suturing techniques using 6-0 through 9-0 sutures, end-to-end anastomosis for arterial repairs and connective tissue grafting procedures that are aimed at soft tissue repair.

Prof. Carlos Sabrosa

Rio de Janiero - Brazil

Dr. Carlos Sabrosa graduated from Universidad Estadual do Rio de Janeiro in 1992. After which he finished his Master Degree of Science Biomaterials / Prosthodontics in Boston University Goldman School of Dental Medicine. Apart from the many achievements of Dr. Sabrosa, he was also the Director of Postgraduate Program in Prosthodontics in Universidade Veiga de Almedia. Since 2000 Dr. Sabrosa initiated a private practice in Rio de Janeiro, Brazil specializing in Prosthodontics and Oral Rehabilitation.

Metal-free Restorations Using The Lava™ CAD/CAM System

Prof. Sabrosa

(09:00-11:15 May 28, 2009)

The practice of esthetic dentistry allied to digital dentistry is a reality today. With the improvement of restorative dental materials, new techniques and systems are available to fabricate dental fabricate dental restorations supported by teeth and implants. The main objective of all digital system today is to replace porcelain fused-to-metal restorations with metal-free restorations without changing the procedures usually used by the restorative dentist. Esthetic procedure can only be achieved when there is a good relationship between the restorative dentist and the dental technician. The main objective of this lecture is to show requirements that should be followed such as tooth preparation design, temporary restorations, final impressions, final cementation, as well as the choice of one CAD-CAM system to optimize your results.

Dr. Kamal Busaidy

Texas Health Science Center - USA

Dr Kamal Busaidy studied Dentistry at the University of London, England, graduating in 1992. He trained in Oral and Maxillofacial Surgery at the University of Texas Health Science Center in Houston. Since 2002 he has been on the teaching faculty and is currently Associate Professor of Oral and Maxillofacial Surgery at the University of Texas Health Science Center in Houston, Texas. He is Board Certified by the American Board of Oral and Maxillofacial Surgery, and a Fellow of the American Association of Oral and Maxillofacial Surgeons, the American Dental Society of Anesthesia, and the Royal College of Surgeons of England, Faculty of Dentistry. He teaches postgraduate surgical residents, and undergraduate dental students at the University of Texas. Dr Busaidy is responsible for directing the curriculum in Literature Appraisal and Evidence Based Medicine within the program.

Using cone beam technology to plan third molar surgery: Is it useful?

Dr. Busaidy

(11:15-12:00 May 28, 2009)

Third molar removal is associated with multiple surgical risks. Whilst the risk of damage to the inferior alveolar nerve and other adjacent structures is usually low, some patients present with elevated risk due to unusual anatomy. Surgeons have long used plain radiographs to assess surgical risk in patients planned for third molar removal. The advent of cone beam computerized tomography (CBCT) has led many surgeons to believe that preoperative assessment of such patients should routinely included CBCT, particularly to examine the relationship between the third molar and the inferior alveolar nerve. This lecture examines the evidence for and against the routine use of CBCT in the preoperative assessment of patients undergoing third molar removal, and examines ways in which CBCT has been used in such patients.

Dr. Khalifa Al Khalifa

College of Dentistry – King Faisal University

Dr. Khalifa Al-Khalifa is a graduate of King Saud University College of Dentistry in 1995. In August 2000 Dr. Khalifa obtained his MPH from University of Michigan School of Dental Public Health. Soon after in 2006 he was granted the MHSA in Health Management and Policy from the same institution where he obtained his DrPH in 2007. Since 2007 Dr. Khalifa is a Consultant in Dental Public Health, Saudi Council for Health Specialties. Dr. Khalifa was an Adjunct Clinical Lecturer in Dentistry, Department of Cariology, in University of Michigan. He was a Consultant in Dental Public Health/Specialist in Operative Dentistry at the Armed Forces Hospital, Dhahran. Dr. Khalifa is now a faculty member in King Faisal University College of Dentistry under the Preventive Dental Sciences department.

Digitization in Dental Education

Dr. Khalifa

(09:15-09:45 May 27, 2009)

A strong dental education system is vital to the future of the dental profession. The knowledge, science, critical-thinking skills and ethical principles needed to become a dentist are first developed in dental school. This presentation explores the current uses of information communication technology (ICT) in all areas of dental education. It will also explore current developments; speculate on how ICT should increasingly contribute to dental education in the future. It then takes a brief look at three aspects of the use of ICT in the world in general and speculates how dentistry can learn from other areas of human endeavor. Barriers to the use of ICT in dental education are then discussed. The final section of the presentation outlines new developments in haptics, immersive environments, the semantic web, nanotechnology and ergonometrics.

Dr. Tarik Al Juhani

King Faisal Specialist Hospital - Jeddah

Dr. Tarik Al Juhani apart from his many practices and academic experiences, Dr. Al Juhani is currently the acting Chairman of Dental Departments for KFSH&RC-J, he is also a Consultant Advance General Dentist. Dr. Tarik Al Juhani is a graduate of King Abdulaziz University – Faculty of Dentsitry, Jeddah in 1996. He also has an advance education in General Dentistry at Texas University in Dallas, Texas, USA. He obtained a fellowship of Cosmetic and Implant Dentistry from Baylor College of Dentistry from Texas University.

Transforming Dentistry with Technology: The Digital Office

Dr. Al Juhani

(09:45-10:15 May 27, 2009)

The contemporary dental practice has evolved dramatically over the past years. Back in the late 1980's, the very first digital radiography systems in intraoral cameras were released to the market. While adoption of these systems was slower than expected, there have been numerous other changes as well. The vast majorities of pratices are now computerized; use Windows-based practice management software, and many systems that were once paper-based have now moved into the digital realm. Other improvements would include the effect of the vast growth in computer technology at devices that will assist dentists in diagnosis and treatment. In this talk an over view at the market of high tech digital office equipment and its clinical applications will be looked at.

Transforming Dentistry with Technology: Material Evolution

Dr. Al Juhani

(08:30-09:00 May 28, 2009)

As a continuance of the first lecture but with more emphasis on the technology behind the dental materials where the technological advancements in science has improved the materials that is used in dentistry thus making a positive impact on the longevity, the biological properties, the physical properties and the handling properties of the materials. Yet with the huge numbers of new materials and fast turn over in production technologies and chemical properties it is becoming an increasing burden on the modern day dentists to keep up. In this 30 minutes talk and over view on the major trends in technologies related to the restorative dentists of 2009.

Dr. Khalid Nazmi Said

Jordan University of Science and Technology

Dr. Khalid Nazmi Said is a graduate of Jordan University of Science and Technology where he obtained his Bachelor Degree in Dentistry in 1994. In 2000 Dr. Khalid Said were given his Specialty Certificate in Periodontics from University of Iowa USA, he is also a Diplomate of American Board of Periodontology. Dr. Said earned his Masters in Oral Sciences in 2001, thereafter he became Fellowship in Periodontics and Implants Surgery and Fellowship of the Royal College of Surgeons in Ireland. Dr. Khalid Said was three times administered to be Assistant Director for Clinical Affairs in 2002 – 2005 for Dental Teaching Center, he is also an Assistant Professor in Periodontics in the Department of Preventive Dentistry.

Diode Laser in Periodontal Tissue Surgery

Dr. Khalid Nazmi Said

(10:15-10:30 May 28, 2009)

Since invention of the Ruby Laser in 1960, many medical applications have been discovered for lasers. In dentistry, hard and soft tissue applications have been investigated. Lasers used in dentistry in general are in the infra red (I.R.) zone. Most of the clinical reports in dental literature are limited to case reports with only short term clinical follow-up.

Diode laser is a soft tissue laser with a wavelength of 980 nm. Its clinical applications in Periodontics will be discussed in this presentation. A special emphasis will be granted to our ongoing controlled clinical study that utilizes diode laser for removal of melanin pigments from the labial alveolar mucosa in the maxillary esthetic zone.

Melanin pigmentation creates and esthetic problem that is challenging to periodontists and restorative dentists alike. Many patients can not enjoy sparkling wide smiles even with healthy teeth or veneered teeth because they do not feel comfortable in revealing their pigmented gingiva. Multiple techniques have been suggested over the years in the management and treatment of this esthetic problem. Techniques including surgery, grafts and use of surgical burs are painful procedures with high morbidity, noticeable recurrence rate and sometimes esthetic complications especially in patients with thin gingival biotypes and close to veneer margins. The presentation describes the technique, indications, potential side effects and risk factors and markers for resurgence of pigmentation after using diode laser.

Dr. Emad Khan

College of Dentistry - King Abdulaziz University

Dr. Emad Khan, graduated first in his class earning his BDS from King Abulaziz University – Faculty of Dentistry, Jeddah, Kingdom of Saudi Arabia. He earned his MS degree in Oral and Maxillofacial Radiology, and PhD degree in Oral Biology, from University of North Carolina at Chapel Hill (UNC-CH), USA. He is also a Diplomate of the American Board of Oral and Maxillofacial Radiology (ABOMR) and a Fellow of the Academy of General Dentistry (AGD), he is an active member in several professional organizations. Dr. Khan as received several awards and recognition, he was also inducted to The Order of the Grail-Valkyries Honor Society. Howard R. Raper Oral and Maxillofacial Award was awarded to Dr. Khan two years in a row, that made him the very first to ever win two. Dr. Khan is also interested in the leadership and management and has a certificate in non-profit management from Duke University and the Graduate Leadership program certificate from UNC-CH.

Digital Dental Radiography

Dr. Khan

(14:00-14:30 May 27, 2009)

One of the most important diagnostic tools in dentistry is radiography. Radiography (or imaging) as we know it today can be film-based or digital. Digital imaging has become a standard in many clinics and dental schools. The effect of digital systems and technology on our life is undeniable. Digital dental radiography is no exception. It has changed dentistry and dental practice from many perspectives. This presentation shall discuss briefly how digital dental radiography affects the different members of the dental profession. Also, it will shed some light on the past, the present and the future of dental radiography.

Dr. Mohammad Yasser Tabbaa

King Faisal Specialist Hospital - Jeddah

Dr. Mohammad Yasser Tabbaa is currently the Chairman CME Committee at the Dental Department King Faisal Specialist Hospital & Research Center – Jeddah, Kingdom of Saudi Arabia. He obtained his Doctor of Dental Surgery degree in 1999 from Damascus University, Syria. Dr. Tabbaa is a certified Orthodontic Specialist from University of Buffalo, Buffalo, New York, USA in 2003, were he obtained the Master of Science degree in 2004 also. Dr. Mohammaed Yasser Tabbaa is an American Board Diplomate for Orthodontics.

Orthodontics in the 21st Century

Dr. Tabbaa

(14:30-15:00 May 27, 2009)

Orthodontics has evolved through many stages, starting as an artistic skill few centuries ago, and getting the shape of a science at the middle of the 19th century, at the beginning of the 20th century Angle gave us major land marks to diagnose malocclusion, during the last 50 years orthodontics adopted evidence based dentistry to better serve our patients. Taking the orthodontic records is the first thing we do after screening the patient and agreeing with starting treatment.

The advances in this part include digital x-rays, photos, and models. Digital x-rays can also include 3-D images using cone beam technology. For those who seek esthetics and comfort, a new appliance have been introduced recently to move the teeth orthodonticaly using clear removable aligners and thus eliminating the need to use brackets and wires. In this presentation I will explain how technology has made diagnosis, treatment planning, and treatment more accurate, easier and more appealing to the patient and his doctor as well.

Dr. Khalid Merdad

College of Dentistry – King Abdulaziz University

Dr. Khalid Merdad is currently employed in King Abdulaziz University, Faculty of Dentistry, Endodontic Division. He is a graduate of King Abdulaziz University in 1999 and ranked first in his class. He also obtained three consecutive ***Academic Excellence*** award from the same university. Dr. Merdad has Master of Science in Endodontics from University of Toronto. In 2006 Dr. Merdad became a Fellow of the Royal College of Dentists of Canada in Endodontics. Dr. Merdad is a PhD candidate in Endodontics at Department of Cariology and Endodontics, Institute of Odontology, Sahgrenska International, University of Göteborg, Sweden.

Endodontics in Digital Era

Dr. Merdad

(08:05-08:30 May 28, 2009)

The available rotary preparation techniques consist of lengthy procedures which involve the use of numerous rotary files and endodontic instruments, in different complicated steps, and require a lengthy learning curve before proficiency can be achieved.

This lecture will introduce a unique canal preparation technique to treat the most challenging cases with only one rotary instrument. This technique has several advantages compared to other preparation techniques:

1. Very simple technique, which does not have a learning curve.
2. Extremely predictable technique in the most challenging cases.
3. Consistent results even in the hands of non-experienced clinicians.
4. Extremely fast technique (any other technique requires a minimum of 4 rotary instruments).
5. Extremely safe technique with regards to instrument fracture.
6. And obviously, reduced cost.

The participants will learn an extremely simple, safe and fast technique to prepare narrow and severely curved canals with consistent results. This course will offer first time users, those who have recently commenced using rotary instruments and more experienced dentists the knowledge, the experience and the information required to treat challenging cases. Proficiency in the technique will be immediately achieved.

Rotary Endodontic Instruments

(Workshop)

Dr. Merdad

(01:30-07:00 p.m. May 28, 2009)

At the end of these lectures, the participants will be knowledgeable and updated about the latest technologically-advanced endodontic practices. Participants will understand the scientific evidence and rationale behind new standards of care relevant to root canal cleaning and shaping, irrigation, and obturation. Through hands-on demonstrations the clinician will be able to apply new technologies toward old problems to achieve successful outcomes in his or her treatment regimen.

Dr. Alabaas Hamiddudin

Saad Specialist Hospital – Al Khobar

Dr. Alabaas Hamiduddin is a graduate from Lebanese University. He is a Diplomate of the American Board of Periodontology, he also have Clinical Implant Fellowship certificate from University of Pennsylvania, and where he obtained is Masters Degree in Oral Biology. Dr. Hamiduddin is a member of local and international Scientific Societies. Dr. Hamiduddin to date has five (5) researches.

Converging of Dental Technology and your future

Dr. Hamiddudin

(13:20-14:00 May 28, 2009)

Technology in dentistry is not new. For years lectures have focused on how we transform new digital invention into current dentistry. Digital technologies have the potential to improve diagnosis; facilitate patient treatment procedures; and provide secure backup of patients' images and data.

To maximize the outcome of implant placement, the use of advanced radiographic procedures such as computerized tomography, along with fabrication of surgical guides, has been advocated to inform surgeons of ideal implant location. More recently, simulation computer software has been introduced to view radiographic images and test potential implant locations. This will help to obtain fully integrated surgical and prosthetic planning.

However, integration and the effect on the practitioner have rarely been touched upon. Does a dentist truly need to be "digital" to be a "good dentist"? Can digital technology really improve the quality of dental treatments?

Dr. Hassan Abed

Saad Specialist Hospital – Al Khobar

Dr. Abed is a Consultant Maxillofacial Prosthodontist, Chief of Prosthodontic Services and Dental Laboratory Quality Assurance Officer at Saad Specialist Hospital, Al-Khobar, Kingdom of Saudi Arabia. He graduated from King Saud University in 1989 Then completed A.E.G.D. & G.P.R. Programs from The University of Maryland, Masters in Prosthetic Dentistry from The University of Michigan and a Fellowship certificate in Maxillofacial Prosthetics from M. D. Anderson Cancer Center – Houston, Texas. Dr. Abed Served as The Head of Prosthodontic Services unit at Saudi Aramco Dental Services and as The Head of Dental Services Department at Saad Specialist Hospital.

Dr. Abed is a Full Fellow, Diplomat and Co-Chair of the International Relations Committee of The American Academy of Maxillofacial Prosthetics and is Appointed as the Private Dental Sector representative for the Eastern Province Sub-Committee of The Saudi Dental Society. He also was involved in many research projects and lectured extensively on all aspects of Clinical Prosthodontics and Dental Oncology in Local, Regional and International Dental Meetings.

Prosthodontic Case Management

Dr. Abed

(14:00-14:30 May 28, 2009)

The past two decades have witnessed massive, positive impact of new technological advances in materials, equipment and techniques on the practice of medicine and dentistry. These advances have lead clinicians to new horizons in both diagnostic and treatment outcomes that have substantially raised the Human quality of life.

The field of Prosthetic Dentistry has been in the leading, cutting edge of all other dental specialty fields in the utilization of those technological advances. Since it interacts with all other dental subspecialties and crystallizes the culmination of efforts by all other dental specialties at restoring the function and appearance of patient's oral and peri-oral structures.

This presentation aims at highlighting some of those Prosthodontic Clinical Scenarios and how new technological applications can successfully be applied in our daily clinical practice to achieve outstanding treatment outcome.

Dr. Abdallah Aldrees

College of Dentistry - King Saud University

Dr, Abdallah M. Aldrees received his dental degree from the College of Dentistry, King Saud University in Riyadh, Kingdom of Saudi Arabia with First Class Honor in 1999. His Certificate in Orthodontics and Dentofacial Orthopedicss and a Doctor of Medical Science in the field of Oral Biology was obtained from Harvard School of Dental Medicine in June 2005. Dr. Aldress is a Diplomate of the American Board of Orthodontics. After graduation Dr. Abdallah M. Aldrees joined King Saud University College of Dentistry in the Orthodontic Division under the Preventive Dental Sciences Department, where he serves as an Assistant Professor and Head of the Division of Orthodontics. Dr. Aldress is also a member of different organizations local and international. He is involved in teaching the undergraduate and postgraduate students of the college aside from maintaining and supervising a part-time private practice.

Orthodontic Evolution: An update for the general dentist

Dr. Aldrees

(14:30-15:00 May 28, 2009)

Early recognition of malocclusions is in the hands of the primary care providers. In addition, providing an optimum and comprehensive treatment for the more informed patients with high esthetic concerns requires an understanding of the orthodontic contribution to the overall treatment plan. This presentation will illustrate the diagnostic guidelines that help the general practitioner to perform a closer and more systematic examination of the bite of every patient presenting for dental treatment. General dentists need to acquire adequate education to allow them to participate in the orthodontic care of their patients. Through knowledge of adjunctive orthodontic treatment for adult patients in preparation for definitive restorative therapy, and early orthodontic treatment to correct anomalies of dental development and functional problems, dentists can communicate better in interdisciplinary dental treatment plans. In this presentation, the current concepts of early treatment will be explored and the relevant indications, contraindications, and timing for comprehensive orthodontic treatment and limited adult therapy will be discussed

Dr. Mohammad M. Hassan

College of Dentistry - King Faisal University

Dr. Mohamed M. Hassan had earned his bachelors degree from MAHE India; he then traveled to USA where he earned his specialty degree from TUFTS University, Boston, USA. At the same time, he earned his Master of Science degree from TUFTS University in the field of Biomaterials and an emphasis on Bonding and Lasers. Dr. Hassan then moved to the state of Florida, where he practiced dentistry for a while. During his practice in Florida, Dr. Hassan successfully completed his board certification requirement and became a Diplomate of American Academy of Pediatric Dentistry. Dr. Hassan moved to Saudi Arabia in 2006 and joined ARAMCO Medical Services for two years.

Dr. Hassan is now a faculty member in King Faisal University College of Dentistry in the Department of Pediatric Dentistry, under Preventive Dental Sciences Department.

Contemporary Pediatric Dentistry (Workshop)

Dr. Magdi & Dr. Al Badawi

(01:30-07:30 May 27, 2009)

From its earlier days, Pediatric Dentistry has evolved to encompass all dental needs of children and adolescents increasing the demand on Pediatric dentist to expand their skills and knowledge.

The advent of newer technologies such as Lasers and Air Abrasion, helped Pediatric Dentist to expand their practice field to include more conservative and esthetic restorations, soft tissue surgery with minimum bleeding and to provide excellent services with minimum discomfort to their target population.

The purpose of this workshop is to shed light on the use of lasers and air abrasion in Pediatric Dentistry for both hard and soft tissues and to discuss the advantages and the disadvantages of both devices.

Dr. Emad Al Badawi
King Fahad Hospital - Jeddah

Dr. Emad Badawi is an Assistant Professor of Pediatric Dentistry Department at Tufts University School of Dental Medicine, Boston, USA. He is also a consultant of Pediatric Dentist and Temporomandibular Joint and Orofacial Pain in King Fahad Hospital, Dental Center, Jeddah, KSA, were he is also the Co-Director for Training and Health Education Department. Dr. Badawi is graduate of King Abdulaziz University Faculty of Dentistry in 1995. In 2001 he obtained his Master of Science degree from Tufts University soon after he obtained his Pediatric Dentistry Certificate and in 2005 Dr. Badawi became a Diplomate American Academy of Pediatric Dentistry. In 2007 Dr. Badawi obtained Doctor of Science in Dentistry from Boston University School of Dental Medicine.

Tooth Preparation Techniques for Fixed Restorations (Workshop)
Prof. Sabrosa
(01:30-07:30 p.m. May 27, 2009)

Tooth preparation is defined as the mechanical treatment of dental disease or injury to hard tissues that restores a tooth to original form. Reduction of tooth structure is preceded by a mental image of the design of the artificial crown and the anticipated occlusion. The design of a preparation is governed by five principles: preservation of tooth structure, retention and resistance form, structural durability, marginal integrity and preservation of the periodontium.

The main objective of this hand-on course is to show requirements and step-by-step procedure that should be followed in tooth preparation design to optimize your results.

Provisional Restoration Techniques (Workshop)
Prof. Sabrosa
(01:30-07:30 p.m. May 28, 2009)

Provisional restorations protect the prepared teeth and stimulate the form and function of the definitive restorations. Furthermore provisional restorations are an essential contribution for the successes of the final restoration. Provisional restorations are necessary to preserve pulpal vitality and to ensure gingival health, patient comfort, and esthetics.

The main objective of this hands-on course is to demonstrate two techniques (block and impression techniques) using two different materials (acrylic and composite resin) to fabricate provisional restorations. After demonstration of the instructor all participants will be given a typodont with a prepared tooth to practice on both techniques

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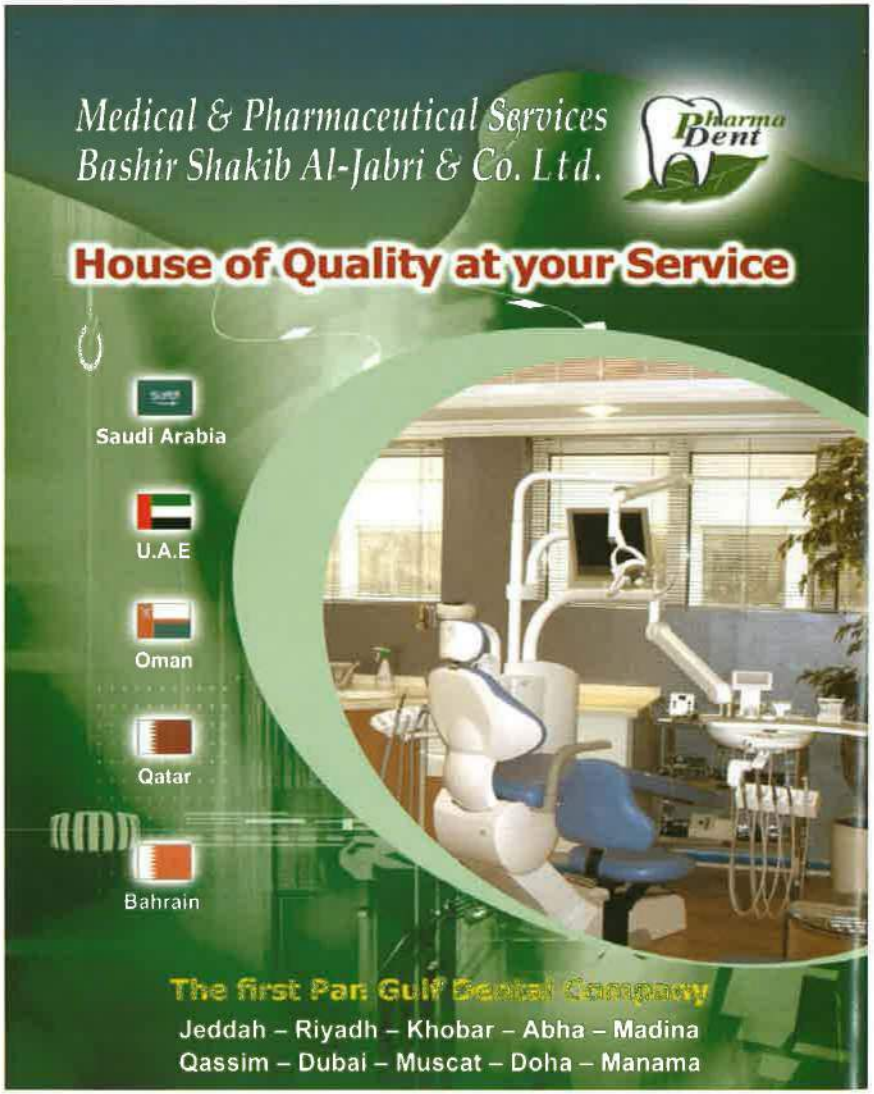

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Workshop Program
May 27, 2009

01:30 – 07:30

Laser Use in Dentistry
Dr. Hassan Magdi / Dr. Emad Al Badawi
(For more details pls. see page 34)

Tooth Preparation Techniques for Fixed restorations
Prof. Carlos Sabrosa
(For more details pls. see page 36)

Workshop Program
May 28, 2009

01:30 – 07:30

Rotary Endodontic Instruments
Dr. Khalid Merdad / Dr. Ijaz Shahed
(For more details pls. see page 26)

Microsurgical Periodontal Techniques
Prof. Serge Dibart **(For more details pls. see page 10)**

Provisional Restorations Techniques
Prof. Carlos Sabrosa **(For more details pls. see page 36)**

Acknowledgements

The Organizing Committee acknowledges the assistance of the College Faculty, Staff, Printing Press, Public Relations, Transportation, Maintenance, and Housing and to all Sponsors.

Certification of Attendance Distribution

Certificates of Attendance for the Symposium and Workshop will be available by the end of the Symposium, ONLY upon receipt of the completed evaluation form. Certificates will be collected from the Registration Desk.

Smoking Policy

Symposium Venue:
King Faisal University College of Dentistry recognizes the negative implication of smoking. Therefore, our policy is "NO SMOKING" in the Auditoriums, Exhibition Hall, Registration Area, Dinning Hall, and /or Restrooms.

Information about CME's

This Conference is accredited by the Saudi Council for Health Specialties. The number of the CME Credits is **11** hours for the symposium, Council Eligibility Number **6991/2009** and dated **2009-01-24**.

Each Limited Attendance Course has a separate accreditation number:
Rotary Endodontic Instruments – **6998/2009** (4 CME Hours)
Provisional Restorations – **6992/2009** (4 CME Hours)
Periodontal Microsurgical Technique – **6993/2009** (4 CME Hours)
Contemporary Pediatric Dentistry – **6994/2009** (3 CME Hours)
Tooth Preparation Design – **6995/2009** (4 CME Hours)

Mark your Calendar For the Eighth Annual Dental Symposium

May 2011

We would like to thank all participating exhibitors for the Seventh Annual Dental Update

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