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***EDUCATION***

* Master of Science Degree in Dentistry (*MSc),* ***1999*** College of Dentistry, King Saud University (GPA – 4.76)
* Certificate in Clinical Competency in Endodontics, **1999** College of Dentistry, King Saud University
* Bachelor of Dental Sciences ***(BDS),*** King Saud University, ***1990-1991***College of Dentistry (GPA – 4.22)

***EMPLOYMENT HISTORY***

* **Professor**  *Sept. 28, 2016*

 Department of Restorative Dental Sciences, Endodontic division, College of Dentistry, King

 Saud University

* **Associate professor and Director of Graduate Endodontic Program since** 2008-2016.

Department of Restorative Dental Sciences, Endodontic division, College of Dentistry, King Saud University

* **Assistant Professor**  2003

 Department of Restorative Dental Sciences, Endodontic division, College of Dentistry,

 King Saud University

* **Lecturer** 2000

 Department of Restorative Dental Sciences, Endodontic division, College of Dentistry,

 King Saud University

* **Demonstrator** 1993

 Department of Restorative Dental Sciences, College of Dentistry, King Saud University

* **Dental Resident** in Security Forces Hospital, Riyadh, KSA1991

**MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS**

* American Association of Endodontic
* Saudi Endodontic Society
* Saudi Dental Society

**ADMINISTRATIVE HISTORY**

##### Director of Graduate Endodontic Program from 2008– 2016.

* Supervisor of Saudi Endodontic Board-KSU Training Center, from Jan 2016-Sept. 2016

##### Head of Laboratory Research Team of Dental Caries Research Chair, from 2010– present

##### Board member of **Joint Postgraduate Dental Education (JPGDE) Council from 2008**– 2016**.**

# Member in the Committee of “Excellence publication Award” from 2010 – 2015.

##### Member in the Commission Strategic Plan for Initiative of interdisciplinary research, 2015

##### Member in the Dental College Board, from 2011-2013, 2016-present

##### Member in the committee of Strategic Plan for Graduate Studies and Scientific Research, 2012.

##### Member in the Scientific Research up-lifting Unit, College of Dentistry from 2010-2012

##### Member in the Ethical Unit, College of Dentistry, from 2010-2012

##### Member in the Protection of Student Right Unit from 2010-2014

##### Member in the Committee of "Excellence in Teaching Award" for the academic year 2010-2011, 2011-2012

#####  Board member of College of Dentistry Research Center (CDRC) from 2004 - 2012

#####  Board member of Saudi Dental Society (SDS) from 2007 –2010

##### Board member of Saudi Endodontic Club from 2001- 2007

**TEACHING EXPERIENCES**

* **Sept. 2016 present**
* ***Course Director*** of RDS 515, 525 (MSc Program), ***Course Director*** of RDS 627 (DScD Program), ***Lecturer Contributor*** in Clinical and preclinical Endodontic Course (RDS 423 &323), ***Course Contributor*** of RDS 323 &423, RDS 511, RDS 521.
* **June 2008- Sept. 2016**

**Associate professor and Director of Graduate Endodontic Program**

* ***Course Director*** of Preclinical Endodontics & Orientation (RDS 516), Multidisplinary Seminar (RDS 526), Endodontic Specialty Clinic (RDS511, RDS 521, 531), Current Endodontic literature (RDS 515,525), Advanced Endodontic Specialty Clinic (RDS 517 &527), Case Presentation (RDS 514, RDS 524)
* ***Course Contributor*** of Endodontic Seminar (Classic Literature Review) (RDS 515), Current Endodontic literature (525 RDS), Endodontic Seminar (RDS 512), Current Endodontic Literature (RDS 515), Clinical Endodontic Course (RDS 423)
* Lecturer Contributor in Clinical Endodontic Course (RDS 422) &Dental Assisting Diploma Program (DADP)
* ***Lecturer Contributor*** in the activity of Scientific Research Club
* Research Supervisor for Postgraduate Thesis, Saudi Endo. Board and Interns Projects
* **Sept. 2003- June 2008**

**Assistant Professor,** RDS Department, Endodontic Division, College of Dentistry, KSU

* ***Course Director*** of Current Endodontic literature (525 RDS)**,** Preclinical Endodontic (RDS 322)
* ***Course Contributor*** in Endodontic Specialty Clinic (RDS 521)**,** Clinical Endodontic (RDS 422)**,** Comprehensive Dental Clinic (CDC)**.**
* ***Lecturer contributor*** in Dental Assisting Diploma Program (DADP).
* Research Supervisor for postgraduate thesis and Interns Project.
* **June 2000- Sept. 2003**

**Lecturer,** RDS Department, Endodontic Division, College of Dentistry, KSU

* Course Director of Preclinical Endodontic (RDS 322)
* Course contributor in Clinical Endodontic (RDS 422), Comprehensive Dental Clinic (CDC)
* ***Lecturer contributor*** in Dental Assisting Diploma Program (DADP), and Introduction to Dentistry & Behavioral Dentistry (DEN181).
* Research Supervisor for Interns Project
* **August1993- June 2000**
* Demonstrator, Department of Restorative Dental Sciences, College of Dentistry, King Saud University
* Course Contributor in Preclinical Dentistry (211 RDS)

***RESEARCH SUPERVISION***

* Supervisor of **Master Thesis** Project during the academic year 2014 entitled "Cytotoxicity of Octenisept® and Alexidine and Their Effect on Cell Adherence to Root Canal Dentin “
* Supervisor of **Master Thesis** Project during the academic year 2014 entitled “Evaluation of the Antibacterial Efficacy of Octenisept® and Alexidine against *Enterococcus faecalis* Biofilm” ***Won the FIRST place*** during the Graduate Dental Research Award Competition of the 28th Saudi Dental Society International Dental Conference, 10-12 January 2017, Riyadh International Exhibition Center, Riyadh.
* Supervisor of **Master Thesis** Project during the academic year 2012 entitled "The Synergistic Effect of Ultrasonic and Sodium Hypochlorite Irrigation on *Enterococcus faecalis* Biofilm.
* Supervisor of **Master Thesis** Project during the academic year 2010 entitled "The Effect of Time on the Antimicrobial Action of Passive Ultrasonic Irrigation- An *In-Vivo* Study" the project won the first. ***Won the FIRST place*** during the Graduate Dental Research Award Competition of the 22nd Saudi Dental Society International Dental Conference, 24-26 January 2011.
* **Examiner** of Thesis entitled “Comparison of antimicrobial effect of Commiphora molmol and sodium hypochlorite: In vitro study by Dr. Amal Al-Mohaimede and supervised by Dr. Ebtissam Al-Madi, 2013
* **Examiner** of Thesis entitled "Cytotoxicity of Qmix irrigating solution: *An in vitro* study" by Dr. Sarah Al-Kahtany and supervised by Dr. Ahmed Al-Kahtani, 2013.
* **Examiner** of Thesis entitled " Comparison of Adaptability and Sealing Ability of Real Seal 1 and Thermafil: *An in vitro* study" by Dr. Sara Al-Subait and supervised by Dr. Ahmed Al-Kahtani, 2011-2012.
* **Supervisor** of intern project entitled “Prevalence of Apical Periodontitis among Smokers Using Cone-Beam Computed Tomorgraphy” Balto H, Al-Abdulaaly L, Bahammam S, Al-Ekrish , 2015
* **Supervisor** of an intern project entitled “Effectiveness of *Salvadora persica* extracts against common oral pathogens. Balto H, Al-Sanie I, Al-Beshri S, AldreesA
* **Supervisor** of an **Intern Project** entitled "Evaluation of Different Irrigating Solutions on Smear Layer Removal of Primary Root Dentin and Microleakage of Composite Restorations, 2013.***Won the 4th place*** during the scientific competition of second intern projects meeting and the 4th place at the 5th KSU student’s scientific symposium, 2014, KUS, Riyadh.
* Supervisor of **Endo. Board Project** entitled "The Synergistic Effect of MTAD and NISIN against *Enterococcus faecalis* and *Actinomyces Viscosus* Biofilm", 2012-2013.
* Supervisor of an **Intern Project** entitled "Cytotoxicity evaluation of *S. persica* extract using MTS assay". ***Won the 1ST PALCE*** during YDRA Competition of the 24th the Saudi Dental Society International Dental Conference, 28-30 January 2013 and the ***3rdPALCE*** during the poster competition of the Interns Projects, 2011-2012.
* Supervisor of an **Intern Project** entitled "The efficacy of *Salvadora persica* to remove intracanal smear layer", presented in Riyadh Colleges of Dentistry and Pharmacy, 2011.
* Supervisor of an **Intern Project** entitled “The fate of endodontically treated teeth in King Saud University, college of dentistry” presented in March/23/2010, KSU.
* Supervisor of an **Intern Project** entitled” Technical quality of root fillings performed by undergraduate students in Saudi Arabia. Presented in Feb. /17/2009, KSU
* Supervisor of an **Intern Project** entitled “Analysis of Analgesic and Antibiotic preference for Endodontic Management in KSA” presented in 1st April/2008
* Supervisor of an **Intern Project** entitled “Microbial Leakage of Cavit, IRM and Tem Bond in post prepared root canal using two methods of gutta-percha removal. In Vitro Study” presented in April/ 23/2002

***EDITORIAL WORK***

* Referee for the King Saud University Journal of Dental Sciences from 2008-2016.
* Referee for the Saudi Dental Journal from 2004- present.
* Referee for the Saudi Medical Journal from 2012-present.
* Referee for journal of medicinal plant research.
* Referee for the Iranian Endodontic Journal from 2013- present.
* Editorial board member in "Pacific Journal of Life Sciences” from 2013.
* Member in the Scientific Advisory Board of Saudi Endodontic Journal 2011- present.
* Referee for the Annals of Medical and Health Sciences Research
* Editor in Chief of AFAQ Dental Journal (Official publication of Saudi Dental Society) from 2004- 2009
* Editor-in-Chief of News letter of Endo Club**(**Official publication of Saudi Endodontic Club) from 2004-2007
* Editor-in-Chief of Basmat News letter (official newsletter of college of dentistry-Malaz Campus) from- 2002 up to 2004

##### COMMITTEES

##### *Scientific Committee*

* **Moderator** of YDRA Competition of the 28th Saudi Dental Society International Dental Conference, 10-12 January 2017[12-14 Rabi’II 1438H], Riyadh International Exhibition Center, Riyadh.
* **Member of the Research Award Committee** during the 28th Saudi Dental Society International Dental Conference, 10-12 January 2017[12-14 Rabi’II 1438H], Riyadh International Exhibition Center, Riyadh.
* **Judges of Scientific Researches** during the 6th KSU student’s scientific symposium, 07th February 2015 [18 Rabi’II 1436H], KUS, Riyadh.
* **Judges of Dental Researches** during the 5th KSU student’s scientific symposium, 22 February 2014 [22 Rabi’II 1435H], KUS, Riyadh.
* **Moderator** of GDRA &YDRA Competition of King Saud University 15th International Dental Conference, the 25th for the Saudi Dental Society, 12-14 January 2014[11-13 Rabi’I 1435H], Riyadh International Exhibition Center, Riyadh
* **Moderator** of GDRA &YDRA Competition of the 24ththe Saudi Dental Society International Dental Conference, 28-30 January 2013 [16-18 Rabi’I 1434H] Riyadh International Exhibition Center, Riyadh.
* **Member** in the Scientific Committee during the King Saud University 14th International Dental Conference& the 23rd for the Saudi Dental Society, 6-8 February 2012 [14-16 Rabi’I 1433H] Riyadh International Exhibition Center, Riyadh.
* **Moderator** of GDRA &YDRA Competition of King Saud University 14th International Dental Conference & the 23rd for the Saudi Dental Society, 6-8 February 2012 [14-16 Rabi’I 1433H] Riyadh International Exhibition Center, Riyadh.
* **Moderator** of Poster Presentation Award during 22nd Saudi Dental Society International Dental Conference, 24-26 January 2011 {20-22 Safar 1432 H}, held at Riyadh International Exhibition Center, Riyadh, KSA.
* **Member** in the Organizing Committee during the” 6th Gulf Dental Association Conference” 10-12 November 2009-Al-Kobar, KSA.
* **Coordinator** for the Continuing Education Course “**Look Over The Horizon**” by Prof. Stephen Cohen during 20th Saudi Dental Society & 2nd National Guard, New Dental Era International Conference, 20-22 April 2009, King Fahd Cultural Center in Riyadh.
* **Head** of the Female Registration Committee during the 12th Saudi International Dental Conference, 12-14April 2008. KSU, Riyadh.
* **Member** of the female Organizing Committee during the 2nd International King Abdul-Aziz University & 9th Saudi Dental Society conference for dental technology and research, 10-13March 2008. Hilton Jeddah, Saudi Arabia.
* **Coordinator** of the Monthly Scientific activities of the SDS in Riyadh area from 2007-2008.

# Head of the Female Organizing Committee during the 18th Saudi International Dental Congress of the Saudi Dental Society, 29-31 January 2007. King Fahd Cultural Center, Riyadh, Saudi Arabia.

# Head of the Female Organizing Committee during the 17th Saudi International Dental Congress of the Saudi Dental Society, 28-31 January 2006. King Faisal Conference Hall, Riyadh, Saudi Arabia

* **Coordinator** of Poster and Table Clinic presentations during the Saudi Dental Society Annual Scientific and IADR Saudi Arabian Section Meetings. 10-13 January 2005, Inter-Continental Hotel Riyadh, Saudi Arabia.
* **Member** of the female the organizing Committee during the 11th Saudi International Dental Conference 28 February-2 March 2000.
* **Member** of the female organizing Committee during the 8th Saudi International Dental Conference 17-20 January1994.
1. ***Admission Committee***

# Member in the examination committee of "Demonstrators’ admission in endodontic division" during the academic years2006-2007, 2008-2010, 2011-2012.

* **Head** of the examination committee for "Post graduate admission in Endodontic Program" during the academic years 2009-2010, 2011- 2012, 2015.

# Member in the examination committee for "Post graduate admission in Endodontic Program" during the academic year 2006-2007, 2008-2009.

1. ***University and Community Service:***

# Part-time Consultant for "Coral Dental Center"

# Vice President of the National Campaign to Prevent Dental Caries from 2008-2010

* **Member** of the accepting committees for Registered Health Science Students of Dar Al-Oloum Private University, 2014.
* **Member** of the accepting committees for Registered Health Science Students of Princess Noura Bint Abdul-Rahman University, 2012.
* **Member** of the accepting committees for Registered Health Science Students of King Saud University, from 2000 until 2012, 2014, 2016.
* **Member** of the accepting committee for Registered Dental Diploma Students during 2000-2003, and 2006-2008.
* **Member** of the Organizing Committee during the” Janadriyah Festival “, March 5-19, 2008, Riyadh, KSA
* **Head** of the Female Organizing Committee during the 1st preventive week from oral and dental diseases, Oct. 28- Nov. 6/ 2007
* **Dental College Representative** of Scientific Show Room held during the 5th Social and University week, at the Scientific Colleges of King Saud University, May/16-19/2004
* **Dental College Representative** during the Scientific Contest among Scientific Colleges of King Saud University, from 2001- 2004.
* **Member** in the committee of Scientific Achievement Award of Princess Al-Johara Al-Ibrahim from 2001 to 2003.
* **Head** of the Cultural and Social Activity committee of Malaz Campus, College of Dentistry from 2000 – 2003.
* **Head** of "Selection of Model Student Committee" College of Dentistry, from 2000 to 2003.
* **Member** in the committee for Selection of Model Student of King Saud University from 2000-2002.

**PATENT**

* Patent # 4661, granted by KACST in Feb. 17, 2016, (IPC A61K007/026.A61K 031/019) entitled “Antimicrobial Bucco-adhesive Films Containing Myrrh Extract” Prof. Fars Al-Anazi, Dr. Sayed Auda, Dr. Ibrahim Al-Sarra, Dr. Mounir Bekhit, **Dr. Hanan Balto**.

##### PUBLICATIONS

* Sundus Bukhary, **Hanan Balto** “Antibacterial Efficacy of Octenisept®, alexidine, chlorhexidine and sodium hypochlorite against *Enterococcus faecalis* biofilms” Journal of Endodontics 2017; 43(4): 643-647.
* **Hanan Balto**, Ibrahim Al-Sanie, Sultan Al-Beshri, Abdullah Aldrees “Effectiveness of *Salvadora persica* extracts against common oral pathogens” Saudi Dental Journal 2017; 29:1-6.

* Mohammad Shahid, **Hanan A. Balto**, Nouf Al-Hammad , S. Joshi, Hesham Saleh Khalil, Ali Mohammed Somily, Nasr Abdul-Aziz Sinjilawi ,Sameer Al-Ghamdi , Muhammad Faiyaz-Ul-Haque , Varinderpal S. Dhillon  **“**Mutations in MSX1, PAX9 and MMP20 genes in Saudi Arabian patients with tooth agenesis” European Journal of Medical Genetics 2016; 59:377-385.
* **Hanan Balto “**Obturation Techniques Allow Microbial Leakage Unless Protected” Journal of Prosthodontics 2016; 25:224-228.
* Hassan S. Halawany, Nimmi B. Abraham, Yunus M. Siddiqui, **Hanan A. Balto**, Vimal Jacob “Antimicrobial Efficacy of *Salvadora Persica* Extracts on a Monospecies Biofilm on Orthodontic Brackets *in Vitro*” Journal of Oral Health and Preventive Dentistry 2016; 14(2): 149-155.
* Abeer Al-Mahdi, **Hanan Balto** “The Synergistic Effect of Ultrasonic Activation and Irrigation on *Enterococcus faecalis* Biofilm” Saudi Endodontic Journal 2016; 6(1):1-8.
* F. Salama, **H. Balto**, F. Al-Yahya, S. Al-Mofareh “The effect of cavity disinfectants on microleakage of composite restorations in primary teeth” European journal of pediatric dentistry 2015; 16(4): 295-300.
* **Hanan Balto**, Hassan Halawany, Vimal Jacob, Nimmi Abraham “The efficacy of *Salvadora persica* extracts in preserving the viability of human foreskin fibroblasts” Saudi Dental Journal 2015; 26: 137-140.
* **Hanan Balto,** Fouad Salama, Sultan Al-Mofareh, Faisal Al-Yahya “Evaluation of different irrigating solutions on smear layer removal of primary root dentin” Journal of Contemporary Dental Practice 2015; 16:187-91.
* **Hanan A. Balto**, Zahid A. Shakoor, Maha A. Kanfar “Combined effect of a mixture of tetracycline, acid, and detergent, and Nisin against *Enterococcus faecalis* and *Actinomyces viscosus* biofilms” Saudi Medical Journal 2015; 36 (2): 179- 183.

##### Hanan A. Balto, Khaled K. Al-Manei, Talal M. Bin-Mohareb, Zahid A. Shakoor, Solaiman M. Al-Hadlaq “Cytotoxic effect of Salvadora persica extracts on human gingival fibroblast cells” Saudi Medical Journal 2014; 35 (8): 810- 815.

##### Nawfal A. A. Zakarea, Talal H. Mohamad, Amer A. Taqa, Scott Chumbley, Salih Al-Juaid, Hanan Balto “A Newly Prepared Solution for the Removal of the Smear Layer” International Journal of Dental Sciences and Research2014; 2(1): 19-26.

##### Hanan Balto, Tawfeq Al-Howiriny, Ali Al-Somaily, Yunus Siddiqui, Zeyas Al-Sowygh, Hassan Halawany, Zahid Shakoor, Solaiman Al-Hadlaq “Screening for the antimicrobial activity of *Salvadora persica* extracts against *Enterococcus faecalis and Candida albicans”* International Journal of Phytomedicine 2013, 5: 486-492.

##### H. Balto “Ecology of Pulpal and Periapical Flora” Review, African Journal of Microbiology Research 2013; 7(40):4754-4761.

* **H. Balto**, B. Ghandourah , H. Al-Sulaiman "The efficacy of *Salvadora persica* extract in the elimination of intracanal smear layer: SEM study" Saudi Dental Journal 2012; 24: 71-77.
* **H. Balto**, S.Al Khalifah, S. Al Mugairin, M. Al Deeb, E. Al-Madi ” Technical quality of root fillings performed by undergraduate students in Saudi Arabia” International Endodontic Journal 2010; 43:292-300.
* **Hanan Balto** “The Effect of Sodium Hypochlorite on the Elimination of *E. faecalis* Using Rotary Instrumentation and intermittent passive ultrasonic irrigation (IPUI)” Saudi Dental Journal 2008; 20 (2):74-81.
* Ebtissam Al-Madi &**Hanan Balto** “The effect of intermittent passive ultrasonic irrigation (IPUI) and rotary instruments on microbial colonies of infected root canals” Saudi Dental Journal 2008; 20(1): 10-16.
* **Hanan Balto** & Mona Al-Wakeel “Mandibular canine with two root canals- Case Report” Egyptian Dental Journal 2007; 53 (4):2535-2538.
* **Hanan Balto**, Saad Al-Nazhan*,* Khould Al-Mansour, Munera Al-Otaibi, Yunus Siddiqu “Microbial leakage of Cavit, IRM and Tem Bond in post prepared root canals using two methods of gutta-percha removal: In vitro study” Journal of Contemporary Dental Practice 2005; 6 (3):053-061.
* Hind Al-Qathami, **Hanan Balto**, Saad Al-Nazhan, Ynus Siddiqi “SEM study of the effect of root perforation repaired materials on morphology and attachment behavior of human PDL fibroblasts, *in vitro”* Saudi Dental Journal 2004; 16(3): 113-117.
* **Hanan Balto**& Ebtissam Al-Madi “Retreatment decision among endodontist and general practitioners” Journal of Dental Education 2004; 68 (8): 872-879.
* **Hanan Balto** “Attachment and morphological behavior of human periodontal ligament fibroblasts to Mineral Trioxide Aggregate: A scanning electron microscope study” Journal of Endodontic 2004; 30 (1):25-29.
* Azizah Al-Mobeeriek, **Hanan Balto**, Leif Kullman, Sahar Al-Jaffan, Nabeela Al-Malki “Roentgenographic interpretation of experimentally produced bony lesions using radiovisiography and conventional radiography- update” Pakistan Oral & Dental Journal 2003;23 (1):67-70.
* **Hanan Balto**& Saad Al-Nazhan “Attachment of human periodontal ligament fibroblasts to 3 different root-end filling materials: Scanning electron microscope observation” Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2003; 95:222-227.
* **Hanan Balto** “An assessment of microbial coronal leakage of temporary filling materials in endodontically treated teeth” Journal of Endodontic 2002; 28 (11):762-764.
* **Hanan Balto** “A new model for pre-clinical teaching of endodontic procedure” Saudi Dental Journal 2002; 4(3):146-149.
* **Hanan Balto** “A Radiopaque Object in the Periradicular Area” Egyptian Dental Journal 2002; 48(2):1023-1026.
* **Hanan Balto**& Saad Al-Nazhan “Accidental injection of sodium hypochlorite beyond the root apex” Saudi Dental Journal 2002; 14(1): 36-38.
* **Balto H**, Al-Nazhan S “Scanning electron microscope evaluation of the cut root surface and root end preparation using various techniques” Saudi Dental Journal 1997; 9 (2):78-82.

#### ***GUEST SPEAKER***

#### “Irrigation and Intra-Canal Medication” Crush Course for Saudi Endodontic Board Residents, Jan. 19th, 2017, Jeddah.

#### “Mishaps in Endodontic” presented during the female intern’s didactic sessions, College of Dentistry, KSU, Oct.13th, 2015.

#### “Cytotoxicity effects of three *Salvadora persica* extracts on human gingival fibroblast cells” presented as poster on the IADR- pulp biology and regeneration group, San Francisco, March 24-26, 2013.

#### "The Research Process" in the summer research program during the activity Student Research Club, 16 June-18 July 2012, king Saud University, College of Dentistry**.**

* "Ethics and Research Integrity" March 17th 2012, during the activity Student Research Club, College of Dentistry, KSU.
* “Update on The National Campaign to Prevent Dental Caries” during the 20th Saudi Dental Society &2nd National Guard, New Dental Era International Conference, 20-22 April 2009, King Fahad Cultural Center in Riyad, KSA.
* “Coronal Microleakage of Endodontically Treated Teeth” during the scientific meeting of Saudi Endodontic Club. May 2005, Security Forces Hospital, Riyadh, KSA.
* “An Assessment of Microbial Coronal Leakage of Temporary Filling Materials In Endodontically Treated Teeth” during 1st Join Event of Emirate Medical Association and Saudi Dental Society “Trouble Shooting in Endodontics- Your way to success”, 3-4 February 2005 at Al-Baraha Hospital, Al Owais Hall- Dubai.
* “Clinical Case Presentation” during the scientific meeting of Saudi Endodontic Club. May 2003, Security Forces Hospital, Riyadh, KSA.
* “An Assessment of Microbial Coronal Leakage of Temporary Filling Materials in Endodontically Treated Teeth” November 2001, Scientific Meeting of the Saudi Endodontic Club, College of dentistry, Riyadh, KSA.
* “Attachment of HPLF to Different Retrofilling Materials: In Vitro Study Using SEM”, March 2000, 11th Saudi International Dental Meeting, Riyadh, KSA.
* “Evaluation of Marginal Adaptation of Retrofilling Materials. In Vitro Study Using SEM and HPLF”, November 1999, 6th Saudi Dental Congress, Jeddah, KSA.
* “Scanning Electron Microscope Evaluation of the Cut Root Surface and Root End Preparation Using Various Techniques” April 1996, presented during the monthly symposium of the Saudi Dental Society, KSU.
* “The Use of Microscope in Endodontic” as table clinic, January 1996 during 9th Saudi International Dental Conference, College of Dentistry, KSU, Riyadh, KSA.

**HONORS AND AWARDS**

* Certificate from Department of Restorative Dental Sciences as being an Active Member in Endodontic division, KSU.
* Selected as a distinguished member in the academic field during the Woman’s Higher Education Symposium: Growth to Competition, 2013.

**WORKSHOP ATTENDED**

***I- Education***

* “21st century employability skills and university teaching” on Sep.29,2016 (28 Dual-Heja/ 1437H), Deanship of skills Development, KSU.
* “Virtual evaluation between the teacher and the student using poll everywhere” on Feb. 7th, 2016, (Rabi’II 28th, 1437H), Deanship of skills Development, KSU.
* “Instructional Design for Increasing Student Engagement Lecture” on Dec. 20, 2015 (Rabi’I 19, 1437H), Deanship of skills Development, KSU.
* “Helping Students to Think Critically” on Nov. 11th, 2015 (Moharam 29th, 1437H), Deanship of skills Development, KSU.
* “Minds’ Map Applications in College teaching”, on 15-16 March, 2015 (Jamada I, 24-25,1436H), Deanship of skills Development, KSU.
* “Professional Teaching Competencies in HE”, on 9th March, 2015 (18, Jamada I, 1436H) Deanship of skills Development, KSU.
* “Assessment of Learning Outcomes “by Dr. Arwa Abdulaziz on 4-5th January, 2015 (13-14th, Rabi I, 1436H) Deanship of skills Development, KSU.
* “Micro Teaching” by Dr. Arwa Abdulaziz on 1st January, 2015 (10th, Rabi I, 1436H) Deanship of skills Development, KSU.
* “Creative Teaching Skills” by Dr. Kareema Nour on Nov. 16th, 2104 (23th Moharam 1436H) Deanship of skills Development, KSU.
* “USF’s Faculty Development Training for King Saud University” sponsored by the Academy for Teaching and Learning Excellence. June 16-20, 2014, USF, Florida/Tampa, USA.
* “International Research Partnership” by Dr. Afaf Al-Ansary, 12th, March, 2014 (11th, Jamada I, 1435 H) Deanship of skills Development, KSU.
* “The basics of evidence based learning “by Dr. Emetethal Al-Sagga, 20th November 2013 (17th Moharam, 1435H) Deanship of skills Development, KSU.
* “Ethics of professional university teaching” by Dr. Afaf Atteia, Oct. 30th, 2013(25th Dual-Heja/1434 H) Deanship of skills Development, KSU.
* “Assessment Methods: Assessing learning and competency integration of evidence based learning into a dental curriculum” by Prof. Paula O’Neill and Dr. Tobias Rodriguez, 26th Sep.2013 G (20th of Dual-Qadah 1434 H), Holiday In-Ezdehar
* "KSU Faculty Development Training Week" University of Ottawa, Canada, June 24-28th, 2013.
* "Curriculum Models and Theories, Competency Based Education, Learning Styles" by Prof. Paula O’Neill and Dr. Tobias Rodriguez, April 14th, 2013 (4th Jumada 11 1434H), College of Dentistry, KSU.
* "Blue Printing" Feb. 20th, 2013(Rabi II, 10, 1434h) Dental School (DUC), KSU.
* "Work Place Based Assessment" by Dr. Zubair Amin, Dec. 19th, 2012 (Safar 6th 1434H) College of Medicine, KSU.
* "Objective Structured Clinical Exam; OSCE" by Dr. Zubair Amin, Dec. 18th, 2012 (Safar 5th 1434H), College of Medicine, KSU.
* "Assessment of Learning Outcome" By Emmy Varughese, Dec.3-4th, 2012 (Moharam 19-20,1434H), KSU, Skills Development Deanship.
* "Effective Teaching" By Emmy Varughese, Dec.1-2nd, 2012 (Moharam 17-18, 1434H) , KSU, Skills Development Deanship
* "Intended Learning Outcome" By Dr. Gregory Maffet, Feb. 4th, 2012 (Rabi I, 12, 1433H), Dental school (DUC), KSU
* "Learning through Problem Solving" by Dr.Arwa Al-Abdulaziz, Jan. 8-9th, 2011 KSU, Skills Development Deanship.
* "Data Base for 2011", Feb.28th, 2011, KSU, DUC
* "Creative Teaching Skills " by Dr.Arwa Al-Abdulaziz, Feb. 19th , 2011
* "Gifted in high school learning" By Dr. Mudi Al-Degaithir, March5th, 2011, KSU, Skills Development Deanship.
* "Teaching Effectively with Electronic Technologies” May 8-9th, 2010 by Connie Buskist, Deanship of skills Development, KSU.
* “Assessment in Health Education” Wednesday April 7th, 2010, by Cees Van de Vleuten, College of medicine, KSU.
* "Blackboard" from E-learning &Distance learning Deanship Oct.19-20th , 2010, College of Dentistry, MUC.
* "Course Description: Issues and Concerns" by Dr.Nasser Al-Massary, Oct. 7th, 2009, KSU-CD.
* "Effective Use of Smart Classrooms". Oct.1st, 2009, KSU-CD
* "Reviewing & Developing Your Teaching', by Adele Graham, Dec.2-3rd, 2008, KSU.
* "Planning and Managing Active Learning", by Adele Graham, Nov.29th-Dec.1st, 2008, KSU.
* "Planning for Effective Teaching", by James Groccia, May 17-1 9th, 2008, KSU.

#### ***II- Skills***

#### “Transdisciplinary Research” by Kate Neely, Skills Development Deanship, KSU March 2nd 2017 (3rd Jamada II, 1438H).

#### *“*Training Course in Micro-Surgical Endodontics*”* School of Dental Medicine, Department of Endodontics, University of Pennsulvania, March 23-24, 2015

#### “Basic Biology of Stem Cells” Lecture and Hand-On Technique by stem cell unit, anatomy Department, College of Medicine, King Saud University, 15th -19th June 2013 (6th – 10thShaaban 1434H).

* "Intelligence for Multiple Developing Creative Thinking" By Arwa Al-Abdulaziz, Oct.30-31, 2010, KSU, Skills Development Deanship.
* "Learning Based Brainstorming" Oct. 12-13th, 2010, KSU Skills Development Deanship.
* “Problem Solving and Decision making”, January 16-18th, 2010, Deanship of skills Development, KSU.
* "Development of Communication Skills" May 31- June 1st, 2008, KSU.
* "Achievement and Productivity Skills” Dec 20-21st, 2008, KSU

#### ***III- Leadership***

* “Emotional Intelligence for Academic Leader” Oct. 22th, 2015 (Moharam 9th, 1437H), Ministry of Education, Academic Leadership Center.
* “Best Practice in Coaching and Mentoring” Oct 21st, 2015 (Moharam 8th, 1437H), Ministry of Education, Academic Leadership Center.
* “New insight for innovative Leadership” April, 1-2, 2013 (Jamada I, 20-12,1434H), KSU, Skills Development Deanship
* "Learning to Think Strategically" By Julia Sloan, Dec10-11th, 2012 (Moharam 26-27, 1434 H), KSU, Skills Development Deanship
* "Chairing the Department” by Janice Levy, Organized by academic leadership center, Ministry of higher Education during January9th, 2010.
* “Effective Practices for Leadership and Management” by Susan West Engelkemeyer, January10th, 2010, Ministry of higher education, Academic leadership development workshop. KSU.

#### ***IV- Profession***

* “Prevention and Management of Broken endodontic Instrument” by Chaniotis Antonis, April 20th, 2016, Prince Mohammed Bin Naif Medical Center, Riyadh.
* "Contemporary Concepts and Technologies in Endodontic Therapy" by Prof. Ashraf Fouad, January 28th, 2013, International Convention and Exhibition Center, Riyadh.
* "Governance of Research in Health Specialties" workshop by Dr. Rodney Gale. Feb.22nd, 2011, KSU, Vice Rectorship for health specialties.
* **"**Designing Effective Continuing Professional Development", April19th, 2011, KSU, DUC, Vice Rectorship for health specialties
* "1st day of Medical ethics" Feb. 12th, 2011, College of Medicine, KSU
* 1stWorkshop on Strategic Plan for Postgraduate Education" June 6th, 2010, KSU.
* "Real –time PCR Workshop", in the Central Laboratory, Female Center for Scientific and Medical Colleges, Nov. 7-8th, 2010
* "Ethical Standards for Scientific Researcher" by Dr .Mohammed Thabit, Oct.25th 2010, KSU.
* "Publish & Flourish" by Dr. Tara Gray, March31st, 2009, *KSU.*
* "Look over the Horizon", by Prof Stephen Cohen, April21st, 2009, Riyadh, KSA.
* "Parametric and non-parametric Tests using SPSS", by Dr. Sawsan Shalby, Jan. 17-19th, 2009, KSU.
* Preparing Data using SPSS -I -by Dr. Sawsan Shalby, Jan 4 – 6th, 2009, KSU.
* Workshop on Strategic Plan for Research, Nov. 8th, 2009, KSU
* "Test Construction", by Prof Nezar Al-Ani, Nov.8-10th, 2008, KSU
* "The new NiTi Rotary instruments and obturation techniques” by Dr. Souad Orfali, Dr. Saad Al-Nazhan, and Abdullah Al-Sharif. June 9th, 2005, Holiday Inn Minhal Hotel, Riyadh,
* "Current Concepts and Techniques in non-Surgical Endodontics” by Dr. Khalid Balto, April, 2004, KAAU, Jeddah, KSA.
* "NI-TI Rotary Instrumentation in Endodontics and Contemporary Obturation system “by Dr. Gerald Glickman, Jan. 2004, at Inter-Continental Hotel, Riyadh, KSA.
* “Surgical Endodontics “by Dr. Charbel Allam, June 2003at College of dentistry, Riyadh, KSA.

###### “The Ultimate Health Care Professional–I” by Dr. Yasser Tashkandi. January 2003, Specialized Academy for Medical Training.

* “Delamex 2002 “Principles of root canal therapy” by Dr. Mahmoud Torabinejad, 26-31 January 2002, Jeddah, Inter-Continental Hotel, Saudi Arabia.
* “Micro-Endodontics- for the 21st Century” by Prof. Syngkuk Kim, March 1998, during the 10th Saudi International Dental Conference, Riyadh, Saudi Arabia.

#### “Biostatistical Methods in Biomedical Sciences and Clinical Dentistry” by Prof. H. Mosadomi, November 1996, College of Dentistry, King Saud University, Saudi Arabia.

* “Endodontics” by Prof. M. Abou-Rass, January 1994, during the 8th Saudi International Dental Conference, Riyadh, Saudi Arabia.
* "The Use of Nitrous Oxide Sedation, Interceptive Orthodontics, Root Canal Treatment of Deciduous Teeth” November 1992*,* By the Saudi Dental Society, KSA.

### “Advanced Endodontics” by Dr. Mahmoud Al-Deeb & Hassan Selim , January 1992, KSU, Riyadh, Saudi Arabia.

# SYMPOSIUMS & CONFERENCES ATTENDED

* 18th Biennial Congress of the European Society of Endodontology, September 14-16th, 2017 (23-25Thu-Alheja, 1438H), Brussels, Belgium.
* The 28th Saudi Dental Society International Dental Conference, 10-12 January 2017[12-14 Rabi’II 1438H], Riyadh International Exhibition Center, Riyadh
* 7th Resident’s Day and Scientific Dental Board Meeting, May 12, 2016 (05 Shaban 1437H), Marriott Hotel, Riyadh.
* King Saud University 16th International Dental Conference, the 27th for the Saudi Dental Society, January 5-7 /2016 [25-27 Rabi’I 1437H], Riyadh International Exhibition Center, Riyadh
* 17th Biennial Congress of the European Society of Endodontology, September 17-19th, 2015 (4-6 Thu-Alheja, 1436H), Convention Center, Barcelona.
* American Association of Endodontic 2015, May 6-9, 2015, Washington State Convention Center, Seattle, Washington.
* The 26th Saudi Dental Society International Dental Conference, January 13-14, 2015 (22-24 Rabi’ I 1436H), Riyadh International Exhibition Center, Riyadh.
* King Saud University 15th International Dental Conference, the 25th for the Saudi Dental Society, January 12-14 2014[11-13 Rabi’I 1435H], Riyadh International Exhibition Center, Riyadh
* IADR-Pulp Biology and Regeneration Group Symposium. Pulp Regeneration-Transitional opportunities, March 24-26, 2013, San Francisco, Arthur A. Dugoni School of Dentistry.
* The 3rd Saudi Endodontic Society & the 1st Italian Professional Experts Group, March 4-6, 2013 (22-24Rabi’ II 1434H) Al-Faisaliah Hotel, Riyadh.
* The 24th Saudi Dental Society International Dental Conference, January 28-30, 2013 [16-18 Rabi’I 1434H], Riyadh International Exhibition Center, Riyadh.
* King Saud University 14th International Dental Conference the 23rd for the Saudi Dental Society, February 6-8, 2012 [14-16 Rabi’I 1433H] Riyadh International Exhibition Center, Riyadh.
* The 3rd National Guard & 1st Saudi Endodontic Society International Conference and Workshops, Oct.16-19, 2011 (18-21 Thul-Qedah 1432H) Riyadh, Marriott Hotel.
* 15th Biennial Congress of the European Society of Endodontology, September 15-17, 2011, Rome Cavalieri Hotel, Italy, Rome
* 22nd Saudi Dental Society International Dental Conference " Promoting Excellence in Dental Care" January 24-26, 2011 {20-22 Safar 1432 H}, held at Riyadh International Exhibition Center, Riyadh, KSA
* 10th international congress of the Turkish Endodontic Society, September 23-25, 2010. Hilton Hotel& Convention center, Istanbul, Turkey.
* "Tissue injury and pulp regeneration" symposium July 18-120, 2010. Geneva, Switzerland.
* 1st Saudi Endodontic Society, March/25/2010(09 Rabi II 1431H), Prince Sultan Hall, SCHS, Riyadh.
* The King Saud University 13th international Dental Conference and the 21th for the Saudi Dental Society, February 8-10, 2010 (24-26 Safar 1431H), King Fahd Cultural Center in Riyadh
* The 6th Gulf Dental Association Conference, November 10-12,2009 (22-24 Thualqidah 1430H), Al-Kobar, KSA.
* 14th Biennial Congress of the European Society of Endodontology, September 24-26, 2009. Edinburgh International Conference Center, Edinburgh, Scotland
* 20th Saudi Dental Society & 2nd National Guard New Dental Era International Conference &Workshops and IADR Saudi Arabian Section and General Assembly Meeting, April 20-22, 2009. King Fahd Cultural Center in Riyadh
* The 86th General Session & Exhibition of the IADR/32nd Annual Meeting of the CADR, July 2-5,2008, Metro Toronto Convention Center, Canada.
* 12th Saudi International Dental Meeting, April 12-14, 2008. Cultural Palace, Diplomatic Quarter, Riyadh, Saudi Arabia
* 2nd International King Abdul-Aziz University & 9th Saudi Dental Society conference for dental technology and research. March 10-13, 2008. Hilton Jeddah, Saudi Arabia.
* Coordinator during the monthly scientific meeting of the Saudi Dental Society on topics: “Periodontal Plastic Surgery” & “Clinical Consideration for Immediate Implant Loading”. Feb. 3-2008 (25 Muharram 1429 H), Sheraton Hotel - Riyadh
* 2nd international Dental & Pharmacy meeting (RIDPM), November 5-7,2007 G (24-26 Shawwal 1428H), Inter-Continental Hotel, Riyadh, KSA.
* FDI Annual World Dental Congress, October 24-27, 2007. Dubai, Trade Center.
* 13th Biennial Congress of the European Society of Endodontology, September 06-08, 2007. Hilton Hotel & Convention Center Istanbul, Turkey.
* Symposium on “Glass ionomer as an ideal restorative material” and “A new possibilities and indications for glass ionomers” June 27, 2007. Sahara Hall, Marriott Hotel-Riyadh, Saudi Arabia.
* Contemporary Preventive Dentistry Symposium, Security Forces Hospital Program. June18, 2007, Marriott Hotel-Riyadh, Saudi Arabia.
* Workshop on “Quality Assurance in Dental Education”, April 18, 2007. King Saud University, College of Dentistry, Riyadh, Saudi Arabia.
* 1st National Guard Dental Symposium and workshops for dentists, hygienist, dental assistants and Technicians, April 7- 9, 2007. Marriott Hotel-Riyadh, Saudi Arabia.
* 18th Saudi International Dental Congress of the Saudi Dental Society. January 29-31, 2007. King Fahd cultural center, Riyadh, Saudi Arabia.
* 17th Saudi International Dental Congress of the Saudi Dental Society. January 28-31, 2006. King Faisal Conference Hall, Riyadh, Saudi Arabia.
* Scientific Meeting of the Saudi Endodontic Club “The relationship between periodontal and endodontic disease" and "Endodontic Emergencies" May 15, 2006. Security Forces Hospital, Riyadh, Saudi Arabia.
* FDI Annual World Dental Congress, Aug 24-27, 2005 Montreal, Canada.
* Scientific Meeting of the Saudi Endodontic Club “Problem solving in endodontics” and “Coronal microleakage of endodontically treated teeth” May 16, 2005, Security Forces Hospital, Riyadh, Saudi Arabia.
* Scientific Meeting of the Saudi Endodontic Club “Accurate working length determination” and “Update in endodontic emergencies” April 18, 2005, Security Forces Hospital, Riyadh, Saudi Arabia.
* “Trouble shooting Endodontics, Your way to success” symposium, February 3-5, 2005, Dubai, Baraha Hospital al Owaisis Hall.
* Continuing Education Hands-On course on “The new NiTi Rotary instruments and obturation techniques”, June 9, 2005. Holiday Inn Manhal Hotel, Riyadh.
* Annual Scientific and Membership Meeting of the Saudi Dental Society and General Assembly Meeting of the IADR Saudi Arabian Section. January 10-13, 2005. Inter-Continental Hotel Riyadh, Saudi Arabia.
* 1st Conference of the faculty of dentistry on Recent Advances in Clinical Dentistry. April 19-22, 2004. Jeddah, KSA.
* Annual Scientific and Membership Meeting of the Saudi Dental Society and General Assembly Meeting of the IADR Saudi Arabian Section. January 17-19, 2004. Inter-Continental Hotel Riyadh, Saudi Arabia.
* Continuing Education Course on “NI-TI Rotary instrumentation in endodontics and contemporary obturation system “By Dr. Gerald Glickman, January 19, 2004. Inter-Continental Hotel, Riyadh, Saudi Arabia, Riyadh, KSA.

# Scientific Meeting of the Saudi Endodontic Club “Prognosis of Endodontic Treatment and Retreatment, and Clinical Cases presentation” May 15, 2003. Security Forces Hospital, Riyadh, Saudi Arabia.

* Annual Scientific and Membership Meeting of the Saudi Dental Society and General Assembly Meeting of the IADR Saudi Arabian Section. January 4-6, 2003. Inter-Continental Hotel Riyadh, Saudi Arabia.
* Scientific Meeting of the Saudi Endodontic Club “Endodontic Microbiology: A Clinical Prospective” December 26, 2002. Security Forces Hospital, Riyadh, Saudi Arabia.
* 7thSaudi Dental Congress on Oral and Dental Health Care, April 27-30, 2002. Ministry of Health, King Fahad Cultural Center, Riyadh, Saudi Arabia.
* 5thAnnual Scientific Meeting of the Saudi Endodontic Club. April 4, 2002. Sheraton Hotel, Riyadh, Saudi Arabia.
* Scientific Meeting of the Saudi Periodontal Club entitled” Endodontic-Periodontic Interrelationship: A Critical Review” November 26, 2001. Security Forces Hospital, Riyadh, Saudi Arabia.
* Annual Scientific and Membership Meeting of the Saudi Dental Society. January 23-25, 2001. Sheraton Hotel, Riyadh, Saudi Arabia.
* 4th Annual Endodontology Meeting of the Saudi Endodontic Club. November 23, 2000. Sheraton Hotel, Riyadh, Saudi Arabia.
* 2nd Conference of Bahrain Dental Society, April 25– 27, 2000. Gulf Hotel, Bahrain.
* Scientific Meeting of the Saudi Periodontal Club entitled “Teeth Extraction why? When? April 20, 2000. College of Dentistry, KSU, Riyadh, Saudi Arabia.
* 11thSaudi International Dental Meeting, 28 February -2 March 2000. KSU, Riyadh, Saudi Arabia.
* 6th Saudi Dental Congress on Oral and Dental Health Care, November 6-9, 1999. Ministry of Health, Jeddah, Saudi Arabia.
* 3rd Annual Review of Endodontology of Saudi Endodontic Club and the Saudi Dental Society, 6 May 1999. KSU, College of Dentistry, Riyadh, Saudi Arabia.
* 10th Saudi International Dental Conference, March 23-26,1998. KSU, Riyadh, Saudi Arabia.
* “Micro-Endodontic- for the 21st Century” Continuing dental education program, by Prof. Syngkuk Kim, March-23-26/ 1998, during the 10th Saudi International Dental Conference, Riyadh, Saudi Arabia.
* Scientific Activity of the Saudi Dental Society entitled “Clinical, Biological, and Radiological Evaluation Of Calcium Hydroxide in Endodontic Therapy; Pulpal-Periradicular Lesions, And Surgical Repositioning of Unerupted Anterior Teeth” January 02,1997. College of Dentistry, KSU, Riyadh, Saudi Arabia.

### 5th International Symposium on Restorative Dentistry entitled “The Impact of Recent Developments on Clinical Practice” April 6-7, 1997. Riyadh Armed Forces Hospital, Saudi Arabia.

* 9th Saudi International Dental Conference, January 15-18,1996. College of Dentistry, KSU, Riyadh, Saudi Arabia.
* 1st Annual Review of Endodontology, April 13-14, 1995. KSU, College of dentistry, Riyadh, Saudi Arabia.
* 4th Saudi Dental Congress on Oral and Dental Health Care, March 14-16, 1995. Ministry of Health, Dammam, Saudi Arabia.
* “Endodontic Diagnosis” and “Calcium Hydroxide and Endodontics*”* January 12,1995. KSU, College of dentistry, Riyadh, Saudi Arabia.
* Pediatric Dentistry for the General Practitioner, June 23, 1994. KSU, College of dentistry, Riyadh, Saudi Arabia.
* Saudi International Dental Conference, June 13-16, 1994. Ministry of Defence and Aviation, Armed Forces Medical Services, King Fahad Armed Forces Hospital, Jeddah, Saudi Arabia.
* 8th Saudi International Dental Conference, January 17-20,1994. KSU, Riyadh, Saudi Arabia.
* International Symposium on Update in Management of the Injured Child, April 13-15, 1993. Department of Education and Training, Security Forces Hospital, Riyadh, Saudi Arabia.

### Towards “2000” A Dental Perspective Symposium, November 1-2,1992. Riyadh, Armed Forces Hospital, Saudi Arabia.

* 7th Saudi Dental Meeting, January 27-30, 1992. College of Dentistry, KSU, Riyadh, Saudi Arabia.
* 6th Saudi Dental Meeting, 29 January – 1 February 1990. College of Dentistry, KSU, Riyadh, Saudi Arabia.
* The International Symposium on Restorative Dentistry, 16-17 October 1988. Al Riyadh Armed Forces Hospital, Saudi Arabia.

***Sep. 2017***