

CURRICULUM VITAE



**Prof. Dr. Ahmad S. Al-Hiyasat
(BDS, MScD, PhD)**

**Department of Conservative Dentistry
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CURRICULUM VITAE

NAME: Ahmad Saleh Al-Hiyasat
DATE OF BIRTH: 11-3-1963
MARITAL STATUS: Married
NATIONALITY: Jordanian
OCCUPATION: Professor and Consultant of Endodontics & Restorative Dentistry
SPECIALTY: Endodontics and Restorative Dentistry

QUALIFICATIONS:

BDS: (Sept 1982- Sept 1987):
University of Iasi, Institute of Medicine and Pharmacy, Faculty of Dentistry, Iasi, Romania.

MScD (Conservative Dentistry-Endodontics): (Oct 1990- June 1992):
University of Wales College of Medicine, Dental School, Cardiff, UK.

PhD (Restorative Dentistry-Dental Crowns and Bridges): (Oct 1994- July 1997):
University of Glasgow, Glasgow Dental Hospital and School, Glasgow, UK.

PROFESSIONAL QUALIFICATIONS:

- Certificate of Clinical and Laboratory Course in Conservative Dentistry. (Oct 1990-Aug 1992): University of Wales College of Medicine, Dental School, Cardiff, UK.
- Certificate of Clinical Experience in Crown and Bridge. (Oct 1994- June 1997): University of Glasgow, Glasgow Dental Hospital and School, Glasgow, UK.

ACADEMIC AND PROFESSIONAL POSTS:

Dentist (Sept 1988- Jan 1989): Ministry of Health, Mafraq, Jordan.

Teaching Assistant (Feb 1989- Aug 1990): Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.

Full Time Lecturer (Sept 1992- Sept 1994): Department of Restorative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.

Assistant Professor (Sept 1997- Sept 2002): Department of Restorative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.

Associate Professor (Sept 2002- March 2007): Department of Restorative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan

Professor (March 2007- August 2010): Department of Conservative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.

Consultant in Advance Restorative Dentistry (August 2010- July 2013): King Abdulaziz Dental Centre, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Kingdom of Saudi Arabia. (sabbatical leave from JUST)

Professor of Restorative Dentistry (October 2011- July 2013): College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, National Guard Health Affairs, Riyadh, Kingdom of Saudi Arabia.

Professor (August 2013- Present): Department of Conservative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.

ADMINISTRATION POSTS

- **Co-ordinator of the Conservative Dentistry Unit** (Jan 1998 - Aug 1998): Department of restorative Dentistry, Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.
- **Head of Restorative Dentistry Department** (Sept 1998 - Aug 2001): Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.
- **Director of the Dental Teaching Centre** (Sept 2001 - Aug 2005) Jordan University of Science and Technology, Irbid, Jordan.
- **Dean of the Faculty of Graduate Studies** (Sept 2005 - Aug 2009) Jordan University of Science and Technology, Irbid, Jordan.

PARTICIPATIONS IN POSTGRADUATE EXAMINATION BOARDS

- Member of the scientific committee and examiner for the Jordanian specialty board in Endodontics (2003 - 2010).
- Chairman of the scientific committee and examination for the Jordanian specialty board in Endodontics (2010).
- Examiner for the MFD Examination, Royal College of Surgeons- Ireland (RCSI) at Jordan University of Science and Technology (November 30th & December 1st, 2008, JUST-Jordan).
- Examiner for the MFD Examination, Royal College of Surgeons- Ireland (RCSI) at University of Khartoum (January 30th & 31st 2016, Khartoum-Sudan).
- Examiner for the MFD Examination, Royal College of Surgeons- Ireland (RCSI) at Royal College of Surgeons of Ireland in Bahrain (May 31st & June 1st 2016, Manama-Bahrain).

AWARDS

Finalist of the Arthur R. Frechette Award in Prosthodontics 1998

Plaque presented at the 26th General Session of the International Association for Dental Research, Prosthodontics Group, (IADR) 1998., Nice, France.

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS:

- Jordanian Dental Association
- Jordanian Society of Endodontics
- Jordanian Society of Prosthodontics
- British Endodontic Society (1992-1996)
- International Association for Dental Research
- Society of Friends of Scientific Research at Public Universities in Jordan
- The Saudi Dental Society
- Saudi Commission for Health Specialties, Consultant Restorative Dentistry

PROFESSIONAL COURSES ATTENDED:

- Dental treatment of Elderly People. (Postgraduate Course; Feb 1991- Mar 1991): University of Wales College of Medicine, Dental School, Cardiff, UK.
- Successful Root Canal Therapy (Postgraduate Course; April 1991): University of Wales College of Medicine, Dental School, Cardiff, UK.
- K.S.I. Bauer-Schraube Dental Implants System (three day course; Oct. 1997): Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.
- Bicon Dental Implants System (2 days; July 1998): Faculty of Dentistry, Jordan University of Science and Technology, Irbid, Jordan.
- ITI Dental implant system (3 days/ June & 1 day/ Oct,2000): At Jordan University of Science & Technology - Jordan, in association with Geneva University – Switzerland.
- Oraltronics,Dental implant system (3 days / June 2002) Surgical and Prosthetic procedures, at Jordan University of Science and Technology.
- Composite restorations and bleaching, (2days/July 2002) Vivadent, Switzerland
- Cerec 3-D intensive course, (May 2003) Sirona, Germany.
- Friadent, Xive Dental implant system (28thSeptember 2004) training course, at Jordan University of Science and Technology.
- Rotary Protaper, Dentsply (June 2005) Jordan University of Science and Technology.
- Train the Trainer Course (2008), Dentsply Maillefer Educator in Endodontics. Amman, Jordan.
- Train the Trainer Course (2010), Dentsply Maillefer Educator in Endodontics. Amman, Jordan.
- Basic Medication Safety Course (BMS) (19 September 2010), National Guard Health Affairs, King Saud Bin Abdulaziz University for Health Science and the Postgraduate Training Centre, Riyadh, Kingdom of Saudi Arabia.
- Basic Life Support (BLS) (28 October 2010), National Guard Health Affairs, International Life Support Training Centre. Postgraduate Training Centre, King Abdulaziz Medical City, Riyadh, Kingdom of Saudi Arabia.
- TF Adaptive workshop (19 October 2015) Axis-SybronEndo. Amman, Jordan.
- Lectures and workshop, subject “Introduction and training to new rotary instruments; i-Race, BT-Race, TotalFill and XP-endo. (27th April 2016) at FKG swiss endo, Le Cret-du-Loche, Switzerland

EDUCATIONAL AND ACADEMIC WORKSHOPS / COURSES ATTENDED:

- Educational Technology “General Workshop”, (26-29 September 1999), Jordan university of Science and Technology, Irbid, Jordan.
- Educational Technology “Evaluation, Exam Preparation and Analysis”, (26-28 June 2000), Jordan university of Science and Technology, Irbid, Jordan.
- Educational Technology “Designing a Faculty Development Program”, (18-21 June 2001), Jordan university of Science and Technology, Irbid, Jordan.
- Faculty Development Program “Clinical Teaching Course” (20 February 2012) King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia.
- Faculty Development Program “Psychomotor Skills Training” (25 February 2012) King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia.
- Faculty Development Program “Innovative Assessment” (7 March 2012) King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia.
- Faculty Development Program “ Planning and Design for Faculty Enhancement” (11 April 2012) King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia
- Study Designs in Dental Research (15 May 2012) King Abdulaziz Dental Centre, King Abdulaziz Medical City, Riyadh, Kingdom of Saudi Arabia.
- Statistics in Dental Research (22 May 2012) King Abdulaziz Dental Centre, King Abdulaziz Medical City, Riyadh, Kingdom of Saudi Arabia
- Evidence Based Dentistry Foundation Course (28-30 May 2012) NGCEBHP Centre, College of Medicine, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia
- Blackboard Training Course (17 -18 July 2012), College of Medicine, King Saud bin Abdulaziz University for Health Sciences, Riyadh, Kingdom of Saudi Arabia.
- Theory and Practice of Problem Based Learning in Dental Education (27-28 October 2013), Academic Development and Quality Assurance Centre, Jordan University of Science and Technology, Irbid, Jordan.

TEACHING EXPERIENCE

Undergraduates

- Course co-ordinator of Tooth Morphology (Dent 211) for the second year Dental Students(1992-1993,1993-1994), Faculty of Dentistry, JUST,
- Course co-ordinator of Conservative Dentistry-Endodontics course for the third year Dental Student (Dent. 352) (1992-1993,1993-1994), Faculty of Dentistry, JUST
- Course co-ordinator of Conservative Dentistry for the Fourth Year Dental students (Dent 451) (1997-1998), Faculty of Dentistry, JUST.
- Course co-ordinator of Conservative Dentistry, Fifth Year Dental students (Dent 551,552) (1998/1999, 1999/2000, 2000/2001, 2001/2002), Faculty of Dentistry, JUST.
- Course co-ordinator of Fixed Prosthodontics for the fourth year Dental Technology Students (D.Tech 423) (1999/2000, 2000/2001), JUST
- Conservative Dentistry (Dent 333) third year dental students (2002-2006), Faculty of Dentistry, JUST
- Conservative Dentistry (Dent 431,432,433) fourth year dental students (2002-2009), Faculty of Dentistry, JUST.
- Conservative Dentistry (Dent 531, 532) fifth year dental students (2002-2009), Faculty of Dentistry, JUST.
- Crowns and Bridges (Dent 434, Dent 453) fourth year dental students (2009 -2010), Faculty of Dentistry, JUST.
- Dental Anatomy and Occlusion (RESD 311) third year dental students (2012/2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences.
- Course Director, Operative Dentistry I (RESD 312) third year dental students (2012/2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences.

Clinical teaching of dental students in their third, fourth and fifth years of study: various aspects of Conservative Dentistry that includes Operative Dentistry, Endodontics, Crown and Bridge (Fixed Prosthodontics), and supervising them in their clinical training, at Faculty of Dentistry, JUST.

Postgraduates

Teaching

- Oral anatomy and Occlusion (Dent 705) first year MSc- course.
- Advanced Endodontics-1 (Dent 745) first year MSc- Endodontics.
- Endodontic clinical practice 1 (Dent 751) first year MSc- Endodontics.
- Endodontic clinical practice 2 (Dent 752) Second year MSc- Endodontics.
- Advanced Fixed Prosthodontics (Dent 766) first year MSc- Prosthodontics.
- Occlusion and Temporomandibular Joint (Dent 780) second year MSc-Prosthodontics.
- Restorative Dentistry Lectures and Clinics for the AEGD program, NGHHA-Riyadh, KSA

- Course Director Advanced Endodontics-1 (Dent 745) first year MSc- Endodontics (2013-2014, 2014-2015, 2015-2016)
- Course Director Pulp biology (Dent 747) first year MSc- Endodontics (2015-2016)
- Course Director Endodontic practice (Dent 741L) first year MSc- Endodontics (2013-2014)
- Course Director Endodontic clinical practice 1-A (Dent 741A) first year MSc- Endodontics (2013-2014, 2014-2015, 2015-2016)
- Course Director Endodontic clinical practice 1-B (Dent 741B) first year MSc- Endodontics (2013-2014, 2014-2015, 2015-2016)
- Course Director Endodontic clinical practice 1-C (Dent 741C) first year MSc- Endodontics (2013-2014, 2014-2015)
- Course Director Endodontic clinical practice 2-A (Dent 742A) Second year MSc- Endodontics (2014-2015, 2015-2016)
- Clinical supervision, Endodontic clinical practice, First, Second, and third year MSc- Endodontics (2013-2014, 2014-2015, 2015-2016)

Thesis Supervision

1. MSc student, Thesis title; Cytotoxicity of Dental Casting Alloys Used in Jordanian Dental Laboratories.
2. MSc student, Thesis title; An Investigation of the Cytotoxicity of Restorative Dental Materials.
3. MSc student, Thesis title; Effects of Derum and Miswak on Cellular Proliferation and Microbial Growth.
4. MSc student, Thesis title; Photochemical Inactivation of Cariogenic Bacteria
5. MSc student, Thesis title; Analysis of Waterline Microbial Contamination of Dental Units in Irbid Province
6. MSc student, Thesis title; The Effects of Root-end Filling Material on Cell Viability and Attachment.
7. MSc student, Thesis title; Torsional Fracture of Nickel-Titanium Endodontic Rotary Instruments.
8. MSc student, Thesis title; Molecular and Conventional Study of Bacterial Composition of Dental Plaque on Crown Restorations.
9. MSc student, Thesis title; Variation in tooth preparation for resin-bonded all-ceramic crown for anterior teeth in private dental practice in Jordan.
10. MSc student, Thesis title; Effect of sodium hypochlorite and EDTA on torsional fracture of NiTi protaper endodontic instruments.
11. MSc student, Thesis title; The incidence of flare-ups after root canal preparation and irrigation with sodium hypochlorite and chlorhexidine

12. MSc student, Thesis title; Cellular response to mineral trioxide aggregate and portland cement as root-end filling materials.
13. MSc student, Thesis title; Torsional fracture resistance and shaping ability of endowave and K3 files in root canal preparation.
14. MSc student, Thesis title; Determination of selected heavy metals levels in scalp hair and fingernails samples from dental technicians in Jordan.
15. MSc student, Thesis title; Coronal discoloration induced by different calcium silicate-based pulp capping materials: an in vitro study.
16. MSc student, Thesis title; Evaluation of the push-out bond strength of three different Calcium-Silicate based cements in the presence or absence of smear layer on dentin surface (ongoing).
17. MSc student, Thesis title; The effect of the obturation techniques on the push out bond strength of premixed calcium silicate bioceramic root canal sealer. (ongoing).

ACTIVITIES AND SERVICES

Lecture on Endodontic Treatment and Errors that Could Occur. Continuous education activities for Dentists in the City of Zarka (Jordan Dental Association -Zarka Division; 13-November-2000).

Lecture on Endodontic Problems and Restoration of Endodontically Treated Teeth. Continuous education activities for Dentists in the City of Salt (Jordan Dental Association - Salt Division; 21- May-2003).

Member of the committee for the Jordanian Ministry of Health for the establishment of the regulations and standards of practice for university graduates with a bachelor degree from the allied dental sciences and the dental technology (2000).

Examiner at the Dental Technician Licence Examination Committee at the Ministry of Health-Amman (25-27-November-2000)

Dental Health day at Dair Yossef Schools. Dental examination and dental education for the pupils (14-March-2001)

Dental examination of the school children in the city of Irbid with dental care instruction for the students and the staff (2000-2001)

Member of the committee for the curriculum of the BDS degree at Faculty of Dentistry – Jordan University of Science and Technology (1999-2001, 2006/2007)

Member of the team for the establishment, design and equipping of the dental teaching centre at Jordan University of Science and Technology (1999-2002)

Member of the committee for dentist work price list in Jordan-2003.

Member of the committee for the university curricula at Jordan University of Science and Technology (2005/2006, 2006/2007, 2007/2008, 2008/2009).

Member of the university research committee at Jordan University of Science and Technology (2005/2006, 2006/2007, 2007/2008, 2008/2009).

Scientific session chairman, 5th Scientific Meeting IADR-JOR (May 2008, Amman-Jordan).

Member of the committee for the scholarship for graduate students at the Jordanian Ministry of Higher Education and Research (2009-2010)

Attendance of the Monthly scientific activity of the Saudi Dental Society on topics 'Root Canal Therapy. Would you do it in one visit or more? & 'Teeth Hypersensitivity : Aetiology and Management' (December 5, 2010, Riyadh, KSA)

Lecturing at the Saudi Endodontic Society 7th monthly scientific activity, lecture title; Pulp response to Restorative Dental Treatment. April 4 2011, Riyadh, KSA.

Member of the Dental Laboratory committee (2010-2012), Dental Services Department, King Abdulaziz Dental Centre, King Abdulaziz Medical City, National Guard Health Affairs, Riyadh, Kingdom of Saudi Arabia.

Member of the curriculum committee (2011-2012), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Chairman of the students manual sub-committee (2012), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Member of the College of Dentistry Council (2012-2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Member of the Faculty Search and Promotion Committee (2012-2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Member of the Student Assessment Program and Promotion Committee (2012-2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Member of the College of Dentistry Research Committee (2012-2013), College of Dentistry, King Saud bin Abdulaziz University for Health Sciences, Riyadh, KSA.

Member of the Postgraduate Committee at the Department of Conservative Dentistry (2013-2014, 2014-2015, 2015-2016), Faculty of Dentistry, Jordan university of Science and Technology, Jordan.

Chairmen of the committee for the accreditation of the Allied Medical Programmes at the Royal Medical Services (2014), Higher Education Accreditation Commission, Amman. Jordan.

Chairmen of the departmental research committee 2015-2016, Department of Conservative Dentistry, Faculty of Dentistry, Jordan university of Science &Technology, Jordan.

Member of the Faculty of Dentistry Research Committee 2015-2016, Faculty of Dentistry, Jordan university of Science and Technology, Jordan.

Lecturing at the Jordanian Dental Association, scientific committee activity, lecture title; Restoration of Endodontically Treated Teeth . 7 October 2015, Amman. Jordan.

Conferences attended and participation

1. International Association for Dental Research (IADR) 1997, March, Attendance and lecturing Orlando, Florida, USA.
2. British Society for Dental Research (BSDR) 1997, April, Attendance and lecturing, Brighton, UK,
3. International Association for Dental Research (IADR) 1998, June, Attendance and lecturing, Nice, France.
4. The 16th Jordanian Dental Congress 1998, Attendance and lecturing; Amman , Jordan
5. Dental scientific day, Jordan Dental Association-Salt Division; June-1999; Attendance and lecturing, Salt, Jordan.
6. The 5th scientific day for dentistry, Ministry of Health, 7-June-2001; Attendance and lecturing, Amman, Jordan.
7. European Dental Materials Conference, September 2001, Attendance and lecturing, Glasgow, UK.
8. The18th Jordanian Dental Congress. 2001: Attendance and lecturing, Amman, Jordan.
9. The 8th Scientific Congress of Dentistry. Royal Medical Services, September 2002, Attendance and lecturing, Amman, Jordan.
10. International Association for Dental Research (IADR), Jordanian section 2003; Attendance and Participation, Irbid, Jordan
11. FDI World Dental Federation Conference, September 2003, Attendance and lecturing, Sydney, Australia.
12. The10th International Congress of Toxicology 2004, Attendance and Poster presentation, Tampere, Finland.
13. Syrian Society for Research and Preventive Dentistry, 14th Annual Scientific Congress, Attendance and lecturing, September 2004, Damascus, Syria.
14. Jordanian Dental Laboratories Association, First Scientific Day, September 2004, Attendance and lecturing, Amman, Jordan.
15. Continental European Division and the Scandinavian Division of the IADR, September 2005, Attendance and Poster presentation, Amsterdam, Netherlands.
16. Pan European Federation of the IADR, September 2006, Attendance and lecturing, Dublin, Ireland.
17. European Dental Materials Conference, August 2007, Attendance and Poster presentation, Leeds, UK.

18. British Society for Dental Research (BSDR) Conference, September 2009, Attendance and lecturing, Glasgow, UK.
19. The 5th Riyadh International Dental Meeting and Exhibition, and IADR-Saudi Arabian Section Scientific Meeting, Attendance, December 15-16, 2010, Riyadh, KSA.
20. The 45th Meeting of the Continental European Division of the International Association for Dental Research (CED-IADR) with the Scandinavian Division, August 31-September 3, 2011, Attendance, Budapest, Hungary
21. The 3rd National Guard and 1st Saudi Endodontic Society international Conference, 16-19 October 2011, Attendance and co-chair, Riyadh, KSA.
22. The 3rd Saudi Endodontic Society & the 1st Italian Professional Expert Group Conference, 4-6 March 2013, Attendance, Riyadh, KSA.
23. The 8th Riyadh International Dental Meeting & The 2nd International Quintessence Dental Arab Congress, 24-26 April 2013, Attendance, Riyadh, KSA.
24. The 19th Swiss Conference on Biomaterials, 25-26 June 2013, Davos, Switzerland
25. The 24th Jordanian International Dental Conference. 21-24 October 2014, Attendance and chair of a session, Amman, Jordan.
26. The 7th International conference of the Royal Medical Services. 4-7 November 2014, Attendance and Moderator of a session, King Hussein Bin Talal Convention Centre, Dead Sea, Jordan.
27. The 18th APEC Conference (Asian Pacific Endodontic Confederation) and the 4th Jordanian Endodontic Conference. 8-10 April 2015, Attendance and chair of a session, Amman, Jordan
28. Conduct a Panel Discussion “How to Become an Endodontic Specialist” at the 18th APEC Conference (Asian Pacific Endodontic Confederation) and the 4th Jordanian Endodontic Conference. 8-10 April 2015, Amman, Jordan.
29. ITI Congress Middle East; “Accuracy, Simplification and Predictability in Implant Procedures” 15-16 October 2015, King Hussein Bin Talal Convention Centre, Dead Sea, Jordan.
30. Lecturing at the 9th International Conference of the Dental Corps / Royal Medical Services; lecture title “ Pulp Response to Restorative Dental Treatment”. Meridian Hotel, 4-6 November 2015; Amman, Jordan.
31. Dental Postgraduate Research Day, at Jordan University of Science and Technology, presentation by my MSc student Dana Ahmad: Coronal discoloration induced by different calcium silicate-based pulp capping materials: an in vitro study. April 10 2016, Irbid , Jordan,

PUBLICATIONS:

Thesis

1. **A.S. Al-Hiyasat.** A laboratory study of the shaping ability of an ultrasonically activated file in simulated root canals. MScD Thesis. (1992). University of Wales College of Medicine, Dental School, Cardiff, UK.
2. **A.S. Al-Hiyasat.** An investigation of the wear of human enamel and dental ceramics. PhD Thesis. (1997). University of Glasgow, Dental School, Glasgow, UK.

Full Length Scientific Articles

1. **A.S. Al-Hiyasat,** W.P. Saunders, S.W. Sharkey, G.Mc.R. Smith and W.H. Gilmour. The abrasive effect of glazed, unglazed and polished porcelain on the wear of human enamel and the influence of carbonated soft drinks on the rate of wear. The International Journal of Prosthodontics 1997; 10: 269-282.
2. **A.S. Al-Hiyasat,** W.P. Saunders, S.W. Sharkey, G.Mc.R. Smith and W.H. Gilmour. Investigation of human enamel wear against four dental ceramics and gold. Journal of Dentistry 1998; 26: 487-495.
3. **A.S. Al-Hiyasat,** W.P. Saunders, S.W. Sharkey, and G.Mc.R. Smith. The effect of a carbonated beverage on the wear of human enamel and dental ceramics. Journal of Prosthodontics 1998; 7: 2-12.
4. **A.S. Al-Hiyasat,** W.P. Saunders, and G.Mc.R. Smith. Three-body wear associated with three ceramics and enamel. The Journal of Prosthetic Dentistry 1999; 82: 476-481.
5. **A.S. Al-Hiyasat,** A.M. Elbetieha, H. Darmani. Reproductive toxic effects of ingestion of sodium fluoride in female rats. Fluoride 2000; 33: 79-84.
6. A. Elbetieha, H. Darmani, **A.S. Al-Hiyasat.** Fertility effects of sodium fluoride in male mice. Fluoride 2000; 33: 128-134.
7. H. Darmani, **A.S. Al-Hiyasat,** A.M. Elbetieha. Effects of sodium fluoride in drinking water on fertility in female mice. Fluoride 2001; 34: 242-249.
8. **A.S. Al-Hiyasat,** H. Darmani, A.M. Elbetieha. Effects of resin based dental composites on fertility of male mice. European Journal of Oral Sciences 2002; 110: 44-47.
9. **A.S. Al-Hiyasat,** H. Darmani, A.M. Elbetieha. Effects of bisphenol A on adult male mouse fertility. European Journal of Oral Sciences 2002; 110: 163-167.
10. **A.S. Al-Hiyasat,** O.M. Bashabsheh, H. Darmani. Elements released from dental casting alloys and their cytotoxic effect. The International Journal of Prosthodontics 2002, 15: 473-478.
11. **A.S. Al-Hiyasat,** O.M. Bashabsheh, H. Darmani. An investigation of the cytotoxic effects of dental casting alloys. The International Journal of Prosthodontics 2003, 16: 8-12.

12. **A.S. Al-Hiyasat**, H. Darmani, O.M. Bashabsheh. Cytotoxicity of dental casting alloys after conditioning in distilled water. *The International Journal of Prosthodontics* 2003; 16: 597-601.
13. H. Darmani, **A.S. Al-Hiyasat**, A.M. Elbetieha, A. Alkofahi. The effect of an extract of *Salvadora persica* (Meswak, chewing stick) on fertility of male and female mice. *Phytomedicine* 2003; 10: 63-65.
14. K.M. Barrieshi-Nusair, M.A. Al-Omari, **A.S. Al-Hiyasat**. Radiographic technical quality of root canal treatment performed by dental students at the Dental Teaching Center in Jordan. *Journal of Dentistry* 2004, 32: 301-307.
15. **A.S. Al-Hiyasat**, E.S.J. Abu-Alhaija. The relationship between static and dynamic occlusion in 14-17-year-old school children. *Journal of Oral Rehabilitation* 2004; 31: 628-633.
16. H. Darmani, **A.S. Al-Hiyasat**. Reproductive toxic effect of bisphenol A dimethacrylate in mice. *Journal of Biomedical Materials Research A* 2004; 69: 637-643.
17. **A.S. Al-Hiyasat**, H. Darmani, A.M. Elbetieha. Leached components from dental composites and their effects on fertility of female mice. *European Journal of Oral Sciences* 2004; 112: 267-272.
18. **A.S. Al-Hiyasat**, H. Darmani. The effects of recasting on the cytotoxicity of base metal alloys. *The Journal of Prosthetic Dentistry* 2005; 93: 158-163.
19. **A.S. Al-Hiyasat**, H. Darmani, M.M. Milhem. Cytotoxicity evaluation of dental resin composites and their flowable derivatives. *Clinical Oral Investigation* 2005; 9: 21-25.
20. H. Darmani, **A.S. Al-Hiyasat**. The resin monomer triethylene glycol dimethacrylate exhibits reproductive toxicity in male mice. *Reproduction, Fertility and Development* 2005; 17: 401-406.
21. H. Darmani, **A.S. Al-Hiyasat**. The effects of BIS-GMA and TEG-DMA on female mouse fertility. *Dental Materials* 2006; 22: 353-358.
22. **A.S. Al-Hiyasat**, H. Darmani. *In vivo* effects of BISGMA -a component of dental composite- on male mouse reproduction and fertility. *Journal of Biomedical Materials Research A* 2006; 78: 66-72.
23. H. Darmani, T. Nusayr, **A.S. Al-Hiyasat**. Effects of extracts of miswak and derum on proliferation of Balb/C 3T3 fibroblasts and viability of cariogenic bacteria. *International Journal of Dental Hygiene* 2006; 4: 62-66.
24. **A.S. Al-Hiyasat**, S.F. Khasawneh, Y.S. Khader. Tooth wear among psychiatric patients: prevalence, distribution, and associated factors. *The International Journal of Prosthodontics* 2006; 19: 403-409.
25. **A.S. Al-Hiyasat**, K.M. Barrieshi-Nusair, M.A. Al-Omari. The radiographic outcomes of direct pulp-capping procedures performed by dental students: A retrospective study. *The Journal of the American Dental Association* 2006; 137: 1699-1705.

26. **A.S. Al-Hiyasat**, S.Y. Ma'ayeh, M.Y. HindiyeH, Y.S. Khader. The presence of *Pseudomonas aeruginosa* in the dental unit waterline systems of teaching clinics. *International Journal of Dental Hygiene* 2007; 5: 36-44.
27. H. Darmani, **A.S. Al-Hiyasat**, M.M. Milhem. Cytotoxicity of dental composites and their leached components. *Quintessence International* 2007; 38: 789-795.
28. S.Y. Ma'ayeh, **A.S. Al-Hiyasat**, M.Y. HindiyeH, Y.S. Khader. Legionella pneumophila contamination of a dental unit water line system in a dental teaching centre. *International Journal of Dental Hygiene* 2008; 6: 48-55.
29. M.M. Milhem, **A.S. Al-Hiyasat**, H. Darmani. Toxicity testing of restorative dental materials using brine shrimp larvae (*Artemia salina*). *Journal of Applied Oral Sciences* 2008; 16: 297-301.
30. O.R. Al-Sa'eed, **A.S. Al-Hiyasat**, H. Darmani. The effects of six root-end filling materials and their leachable components on cell viability. *Journal of Endodontics* 2008; 34: 1410-1414.
31. R.Y. Rawashdeh, H.I. Malkawi, **A.S. Al-Hiyasat**, M.M. Hammad. The effect of crown restorations on the types and counts of cariogenic bacteria. *Jordan Journal of Biological Sciences* 2008; 1: 100-104.
32. R.Y. Rawashdeh, H.I. Malkawi, **A.S. Al-Hiyasat**, M.M. Hammad. A fast and sensitive molecular detection of *Streptococcus mutans* and *Actinomyces viscosus* from dental plaques. *Jordan Journal of Biological Sciences* 2008; 1: 135-139.
33. **A.S. Al-Hiyasat**, M.Tayyar, H. Darmani. Cytotoxicity evaluation of various resin based root canal sealers. *International Endodontic Journal* 2010; 43: 148–153.
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