

Curriculum Vitae



Professor Elham Saleh Abu Alhaija

Gender	Female
Place and Date of Birth	Irbid 4 /9 /1969
Nationality	Jordanian
Marital Status	Married
Children	Three
Languages	Arabic (Mother language) English (Excellent)
Work address	Division of Orthodontics Preventive Dentistry Department Faculty of Dentistry Jordan University of Science and Technology P. O. Box 3030, Irbid 22110 Jordan
Home Address	P.O. Box 1893, Irbid 21110 Jordan

Qualifications		
Bachelor of Dental Surgery (BDS)	1987-1992 Full time	Jordan University of Science and Technology (JUST)/Jordan
Doctor of Philosophy in Orthodontics (PhD)	1994 -1997 Full Time	Queen's University of Belfast (QUB) / United Kingdom
Clinical training in Orthodontics Membership of Orthodontics MOrth. RCS(Ed.) /	1994-1998 Full time	Royal Victoria Hospital / Royal College of Surgeons (Edinburgh)
Fellowship in Dental Surgery without examination FDS RCS (Ed.)	2014 Honorary	Royal College of Surgeons (Edinburgh)

Computer skills
<ul style="list-style-type: none"> - ICDL (Certified) - (IT, Windows, Word, Excel, Access, Power point, Internet) - SPSS

Awards
<ul style="list-style-type: none"> - Shoman award for Arab young researchers - Medical Sciences (2004) - Arab Dental Faculties Association award in the field of Orthodontics (2007)

Active Memberships

- **Jordanian Dental Association from 1992- now**
- **Jordanian Orthodontic Society from 1997-now**
- **European Orthodontic Society from 1994- now**
- **Northern Ireland Orthodontic group 1995-1998**
- **Irish Orthodontic Society 1997-1998**
- **Friends of Scientific Research Association from 2001-2019**
- **International Association of Dental Research (IADR) 1997**
- **Arab Orthodontic Society (AOS) 2005**
- **Francophone Orthodontic Society 2005**
- **World Federation of Orthodontics (WFO) 2005- now**
- **Royal College of Surgeons (Edinburgh) 1998-now**
- **British Orthodontic Society 2019**

Present Academic Appointment

Professor in Orthodontics, 2006- now, Orthodontic Division, Preventive Dentistry Department, Faculty of Dentistry, Jordan University of science and Technology

Previous Academic Appointments

Clinical Dental Officer, 1992-1994, Faculty of Dentistry, Jordan University of Science and Technology.

Honorary Dental House Officer, 1997-1998 (Part-time), Orthodontic Division, Royal Victoria Hospital, Belfast, UK.

Full Time Lecturer, 1997-1998, Orthodontic Division, Preventive Dentistry Department, Faculty of Dentistry, Jordan University of science and Technology.

Assistant professor, 1998-2002, Orthodontic Division, Preventive Dentistry Department, Faculty of Dentistry, Jordan University of science and Technology.

Associate professor in orthodontics, 2002-2006, Orthodontic Division, Preventive Dentistry Department, Faculty of Dentistry, Jordan University of science and Technology.

Administrative positions
<p>Assistant of the Director for Clinical Affairs/Jordan University of Science & Technology Dental Teaching Center (2000-2002).</p> <p>Chairman of the preventive dentistry department, Faculty of Dentistry, Jordan University of Science & Technology, (2003).</p> <p>Vice- Dean of the Faculty of Dentistry, Faculty of Dentistry, Jordan University of Science & Technology, (2004-2006).</p> <p>Director of the Dental Teaching Center / Jordan University of Science and Technology (2006- 2008).</p> <p>Vice- Dean of Scientific Research, Jordan University of Science & Technology (2008-2009).</p> <p>Acting Dean of Scientific Research, Jordan University of Science & Technology (Sept-November 2009).</p> <p>Dean of the Faculty of Dentistry, Jordan University of Science & Technology (2010-2014).</p> <p>Director of the Dental Teaching Center, Jordan University of Science & Technology (2012-2013).</p>

Teaching Courses	
Undergraduate orthodontic courses	
Fourth year orthodontic course.	Dent 494, Dent 495 and Dent 496
Fifth year orthodontic course.	Dent 595 and Dent 596
Postgraduate orthodontic courses	
Advanced orthodontics 1	Dent 796
Advanced orthodontics 2	Dent 797
Current Topics in orthodontics	Dent 794
Advanced Orthodontic clinical training	Dent 791 A, B, C
Advanced Orthodontic clinical training	Dent 792 A, B, C
Advanced Orthodontic clinical training	Dent 793 A, B, C

Teaching Statement

I started orthodontic teaching at Jordan University of Science and Technology in 1997.

The aim of orthodontic teaching is to provide students with the knowledge and understanding to develop clinical skills in orthodontic treatment. Student's orthodontic learning is facilitated by making teaching process easier. I usually encourage students to think critically. Students are given patients with certain orthodontic problem where they are requested to examine the case, collect and analyze data. Later, they interpret information, draw conclusions, and develop an explanation. Student's clinical skill is strengthened by allowing them to treat real patients where they establish a connection with their patients and understand every detail related to their own case.

I am a course coordinator for the 5th year orthodontic course. In my teaching, various methods of instruction are used. Beside clinical cases, I teach my students through discussion seminars at the beginning of each clinic. Topics for the seminars are usually agreed on at the beginning of the semester and included in the syllabus. Another way of facilitating orthodontic teaching is through quizzes where student's acquired knowledge is tested. Also, students are usually required as part of their assessment to present one of their clinical cases in front of their colleagues where they have to answer any question or point related to their case.

Learning outcome is usually evaluated through written and clinical examination. Study materials include orthodontic textbook, lectures. Assessment policy is supplied to the students at the beginning of the semester.

Academic Activities	
محاضر في اليوم العلمي الثاني لكلية طب الأسنان (2001)	Lecturer in the 2 nd Scientific day/Faculty of Dentistry (2001)
مقرر لجنة المعرض في اليوم العلمي الثاني لكلية طب الأسنان (2001)	Head of Exhibition committee/2 nd Scientific day/Faculty of Dentistry (2001)
عضو في اللجنة العلمية في جمعية أصدقاء البحث العلمي (2000-2010)	Member of Friends of Scientific Research Association (2000-now)
عضو في اللجنة التنفيذية لمركز طب الأسنان التعليمي (2000، 2001، 2004، 2005، 2006-2008، 2012-2013)	- Member of the Executive committee of Jordan University of Science and Technology Dental Teaching Centre (2000, 2001, 2004, 2005, 2006-2008, 2012-2013)
مقرر لجنة المعرض في اليوم العلمي الثالث لكلية طب الأسنان (2002)	Head of Exhibition committee/3 rd sscientific day/Faculty of Dentistry (2002)
محاضر في اليوم العلمي الرابع لكلية طب الأسنان واليوم العلمي الأول للجمعية العالمية لأبحاث طب الأسنان/ فرع الأردن (2003)	Lecturer in the 4 th Scientific day/Faculty of Dentistry and the 1 st Scientific day for the IADR/Jordanian section (2003)
مقرر لجنة المعرض في اليوم العلمي الرابع لكلية طب الأسنان (2003)	Head of Exhibition committee/4 th Scientific day/Faculty of Dentistry (2004)
محاضر في المؤتمر ال 19 لنقابة طب الأسنان (2003)	Lecturer in the 19 th Jordanian Dental Association Conference (2003)
محاضر في يوم صحة الفم و الأسنان في اربد / نقابة أطباء الأسنان (2004)	Lecturer in the oral health day in Irbid/Jordanian Dental Association (2004)
المشاركة في ندوة بعنوان " تقويم الأسنان —أرقام و حقائق) /نقابة أطباء الأسنان (2004)	Participation in a seminar “Orthodontics in Jordan-numbers and facts)/Jordanian Dental Association (2005)
عضو في لجنة البورد الأردني تقويم الأسنان / المجلس الطبي الأردني (2004- 2009)	Member of orthodontic Jordanian board committee/Jordanian Medial Council (2004-2009)
محكم في المجلة الأوروبية لتقويم الأسنان	Referee in European Journal of Orthodontics
محكم في مجلة Angle Orthodontist	Referee in Angle Orthodontist Journal
محكم في مجلة Orthodontics and Craniofacial Research	Referee in Orthodontics and Craniofacial Research Journal
محكم في مجلة International Journal of Dental Hygiene	Referee in International Journal of Dental Hygiene journal

Academic Activities (Continued)	
محكم في مجلة Journal of Orthodontics	Referee in Journal of Orthodontics
رئيس اللجنة العلمية في اليوم العلمي الخامس لكلية طب الأسنان (2005)	Head of Scientific committee/5 th Scientific day/Faculty of Dentistry (2005)
محاضر في اليوم العلمي الخامس لكلية طب الأسنان واليوم العلمي الثاني للجمعية العالمية لأبحاث طب الأسنان / فرع الأردن (2005)	Lecturer in the 5 th Scientific day/Faculty of Dentistry and 2 nd Scientific day / IADR (Jordanian section) (2005)
عضو لجنة تأديب الطلبة/جامعة العلوم والتكنولوجيا الأردنية (2002-2007)	Member of Student disciplinary committee/Jordan University of Science and Technology (2002-2007)
عضو لجنة المكتبة/ جامعة العلوم والتكنولوجيا الأردنية (2004- 2006 ، 2008-2009)	Member of Library committee/ Jordan University of Science and Technology (2004-2006, 2008-2009)
عضو مجلس مركز طب الأسنان التعليمي/ جامعة العلوم والتكنولوجيا الأردنية (2006-2008، 2010-2012)	Member of Dental Teaching Council/Jordan University of Science and Technology (2006-2008, 2010-2012)
عضو في المجلس التأديبي في الجامعة (2007-2010)	Member in university disciplinary council (2007-2010)
ممتحن في امتحان ال MFD في جامعة العلوم و التكنولوجيا الأردنية 2007، 2010	MFD examiner at Jordan University of Science and Technology (2007, 2010)
المشاركة في المؤتمر الأردني السادس لتقويم الأسنان 1-2/4/2009 في البحر الميت	Participation in the 6 th Jordanian Orthodontic conference 1-2/4/2009/ Dead sea
محاضر في المؤتمر العربي السادس لتقويم الأسنان في تونس 15-2009/10/19	Lecturer in the 6 th Arab Orthodontic conference 15-19/10/2009 in Tunisia
عضو لجنة اعداد معايير ومؤشرات ضمان الجودة في مؤسسات التعليم العالي 2009	Member of Quality Assurance Committee in higher education Institution (2009)
عضو لجنة البحث العلمي/ جامعة اليرموك 2009-2010	Member of Scientific Research Committee / Yarmouk University 2009-2010
عضو المجلس التأديبي الاستئنافي/ جامعة العلوم و التكنولوجيا الأردنية 2009-2010	Member of Appealing disciplinary council /Jordan University of Science and Technology 2009-2010
عضو المجلس الطبي الأردني الأعلى/2010-2012	Member of the Higher Jordanian Medical Council 2010-2012
عضو في المجلس التأديبي في الجامعة (2011- 2014)	Member in university disciplinary council (2011-2014)

Academic Activities (Continued)	
عضو في جمعية كليات طب الأسنان العربية (2010- 2014)	Member in Society of Dental Faculties (2010-2014)
عضو في مجلس عمداء جامعة العلوم والتكنولوجيا الأردنية (2010- 2014)	Member in Jordan University of Science and Technology Deans Council (2010-2014)
عضو في مجلس جامعة العلوم والتكنولوجيا الأردنية (2010-2014)	Member in Jordan University of Science and Technology Council (2010-2014)
عضو في مجلس امناء الجامعة الملكية للعلوم الطبية (2012-2014)	Member in Board of Trustees Council /Royal University for Medical Sciences (2012-2014)
- رئيس اللجنة التنظيمية للمؤتمر العالمي الثاني لكلية طب الأسنان / جامعة العلوم والتكنولوجيا الأردنية 2014 /5/ 10-7	Head of Organizing committee for the second international Dental conference /Jordan University of Science and Technology 7-10/5/2014
عضو في لجنة البحث العلمي في جامعة جامعة العلوم والتكنولوجيا الأردنية (2016-2018)	Member of the university scientific research committee /Jordan University of Science and Technology (2016-2018)
عضو في مجلس امناء جامعة عمان الأهلية (2017-الآن)	Member in Board of Trustees Council/ Amman Al-Ahlyia University (2017-Now)
عضو في لجنة البحث العلمي في الجامعة الاردنية (2018-الآن)	Member of the University of Jordan scientific research committee (2018-now)

Community Service	
المشاركة و الأشراف في يوم صحة الفم و الأسنان /كلية طب الأسنان (1994) في بلدة الأغوار الجنوبية	Supervision and participation in oral Health day/Faculty of Dentistry to South Al-Gour town (1994)
لقاء محاضرة تثقيفية لأطباء الأسنان في نقابة طب الأسنان/ عمان (1999)	Lecture to the general Dental Audience/ Amman (1999)
المشاركة و الأشراف في يوم صحة الفم و الأسنان /كلية طب الأسنان (2001) في بلدة دير يوسف	Supervision and participation in oral Health day/Faculty of Dentistry to Dair Yusef town (2001)
زيارة بلدة مرو وفحص أسنان الطلبة و توعيتهم من الناحية التقويمية (2001)	Orthodontic and dental health education and examination for students of Maro town (2001)
فحص أسنان الأطفال في حضانات اربد (2000-20001) (أدريا ، طيبة، الدر المنثور، مدارس دار العلوم، مدارس الرازي، مدارس الجيل الجديد) حيث تم فحص الأطفال سن (3-5) سنوات لتسوس الأسنان والإطباق و قد تم إعطاء محاضرات تثقيفية للمعلمات	Dental examination of children in nurseries located in Irbid and oral health educations for their teachers (2000-2001)
زيارة عدد من مدراس اربد (2001) (مدرسة الرازي الوطنية، المثني ابن الحارثة النموذجية، النهضة الأهلية، المدرسة النموذجية/يرموك) حيث تم فحص فم و أسنان الطلبة في هذه المدارس	Orthodontic and dental health education and examination for students in Irbid city (2001)
زيارة عدد من مدراس عجلون (2001) حيث تم فحص فم و أسنان الطلبة توعيتهم من الناحية التقويمية	Orthodontic and dental health education and examination for students of Maro town (2001)
تنظيم واعطاء ورشة تعليمية بعنوان "صناعة الأجهزة التقويمية المتحركة و الثابتة" ولمدة اسبوع في حرم جامعة العلوم و التكنولوجيا الأردنية (2003)	Organization and delivery of one-week-workshop entitled “Fabrication of removable and fixed orthodontic appliances” at Jordan University of Science and Technology (2003)
تنظيم واعطاء ورشة تعليمية بعنوان " التشخيص التقويمي للأسنان و خطط العلاج" ولمدة يوم واحد في حرم جامعة العلوم و التكنولوجيا الأردنية (2004).	Organization and delivery of one-day-workshop entitled “Orthodontic diagnosis and treatment planning” at Jordan University of Science and Technology (2004)
المشاركة و الأشراف في يوم صحة الفم و الأسنان /كلية طب الأسنان (2004) في بلدة المخيبة	Supervision and participation in oral Health day/Faculty of Dentistry to Al-Mukhaibeh town (2004)
المشاركة في يوم صحة الفم و الأسنان (2004) من خلال اعطاء محاضرة تثقيفية لمشرفي الصحة المدرسية	Participation of oral health day through a lecture to the school oral health educators about the importance of orthodontic treatment (2004)
التسبيق و الأشراف في اليوم الطبي المجاني الذي في بلدة دوقرا في 2005	Participation in the voluntary medical day to Dogara town (2005)

Community Service (Continued)	
المشاركة و الإشراف في يوم صحة الفم و الأسنان /كلية طب الأسنان في الرمثا، الصريح، حوارة (2012)	Supervision and participation in oral Health day/Faculty of Dentistry to Al-Ramtha, Al-Sareeh, Hoarah towns (2012)
المشاركة و الإشراف في مشروع Dental Health Education Campaign ضمن فعاليات كلية طب الأسنان لخدمة المجتمع (2013)	Supervision and participation in Dental Health Campaign Project /Faculty of Dentistry (2013)
النطوع والمشاركة في الحملة الطبية السورية الامريكية SAMS في الأردن (2016/11/24-19)	Volunteering in The Syrian American Medical Mission SAMS in Jordan (19-24/11/2016)

Courses and Conferences

- The 10th Jordanian Dental congress, Amman, 1992.
- Research Methods, Belfast, 1995.
- Royal London Straight-wire course, London, 1996.
- Excellence in Orthodontics , London, 1997.
- KSI Dental Implant System , Jordan University of Science & Technology, 1997
- Contemporary Orthodontic Appliance Design and Treatment Techniques, Amman, 1998
- The MBT Versatile and appliance System, Amman, 1998
- Roth Philosophy of Orthodontics, Amman, 1999.
- The IADR research workshop, Jordan University of Science & Technology, 2000
- The ITI Dental Implant System ,Jordan University of Science & Technology, 2000
- The 2nd Scientific day for the faculty of dentistry, Jordan University of Science & Technology, 2001.
- Management of Meetings and Conferences, Jordan University of Science & Technology, 2001
- Cleft lip and Palate Workshop (Gunvor Semb and Professor Bill Shaw), Syria, March, 2002
- The 78th EOS Pre-Congress Course - Advancements in Lingual techniques - Sorrento, 4 June 2002
- The 78th Congress of the European Orthodontic Society Sorrento, Italy, 4-10 June, 2002.
- The 19th Jordanian Dental congress 2003.
- Orthognathic surgery & distraction osteogenesis workshop I. Peter Ward-Booth, Amman 5-6 December 2003
- ICDL course at Yarmouk University (100 hours) 12/5/2004 – 21/7/2004
- Vertical Dimension: Therapeutic concepts and clinical implications. Prof. Josef Bou Serhal, Amman 8th July 2004.
- Principles of bio-progressive philosophy. Dr. Samar Bou Sarhal, Amman 26th November 2004
- Axis of Scientific Research workshop /Al-Hashemia University 2005
- 9th Lebanese orthodontic congress, Beirut, February 2005
- 7th Arab & 4th Jordanian Orthodontic Congress, Amman, 23-25 November, 2005
- Pre-congress course, Excellence in Orthodontics, Amman, 21-22 November, 2005

Courses and Conferences - Continued

- Post-congress course, Straight wire low friction, Amman, 25th November, 2005
- The 5th Jordanian Orthodontic Congress, Amman, 22-23 November, 2006
- The 6th Jordanian Orthodontic Congress, Dead Sea, 2-3 April, 2009
- Pre-congress course, Missing lateral incisors, Zachrisson, Dead Sea, 1st April, 2009.
- Post-congress course, Hands on Mini-screws, Amman, 4th April, 2009.
- The 6th Arab Orthodontic Conference, Hammamat, Tunisia, 15-19/10/2009.
- Damon System. By Dr. Arrigo Peri, 15/1/2010, Amman
- Surgical Aspects of Implants- Sabah Kalamchi, Jordan University of Science and Technology, July, 2011
- Implant retained prosthesis- Mike Cassidy, Jordan University of Science and Technology, July, Jordan University of Science and Technology, July, 2011
- Surgical orthodontics – Prof. William Profitt, Jordan University of Science and Technology, November, 2011
- The 88th Congress of the European Orthodontic Society, Santiago Decompestela, Spain, 18-23 June, 2012.
- The 23rd Jordanian Dental congress 2012
- Adult Orthodontics by Prof. Birte Melsen 12nd of January, 2012 ,Amman, Jordan
- Biomechanics and Esthetic Based Orthodontic Treatment Strategies – Prof. Ravindra Nanda, April 2013
- The 8th Jordanian Orthodontic Conference, Dead Sea, Jordan, 10-11/4/2013
- Participation in Dental Health Educational Campaign 2013.
- Problem Based Learning Workshop, University of Jordan, April, 2013
- Problem Based Learning Workshop, Jordan University of Science and Technology, October, 2013

Courses and Conferences - Continued

- The 8th Jordanian Orthodontic first scientific day 5th December 2013.
- The 2nd International Scientific Conference. Faculty of Dentistry, Jordan University of Science and Technology 8th May 2014.
- Treatment Planning in orthognathic surgery by Balvinder Khambay, 10th of May 2014, Jordan University of Science and Technology.
- Cone-Beam Computed Tomography (CBCT) Basic Users Course- Level 1 by Sharon Brooks, 9th of May 2014, Jordan University of Science and Technology.
- Cone-Beam Computed Tomography (CBCT) Basic Users Course- Level 2 by Sharon Brooks, 20-21st of May 2014, Jordan University of Science and Technology.
- British Orthodontic Conference 18th-20th September 2014, Edinburgh.
- The 9th Jordanian International Orthodontic Congress, Amman, 22-23 April 2015.
- The 93rd Congress of the European Orthodontic Society. Montreux from 5-10 June 2017.
- The World Science Forum 2017, Dead Sea – Jordan, November 7-11.
- The reality behind finishing by Dr. Jean-Rene van Becelaere. Amman, April 13th 2018.
- The Annual session of the American Association of Orthodontist 2018, Washington DC from May 4-8.
- Orthodontic mini-implants by Richard Cousley, 4th of January, 2019, Amman, Jordan
- New concepts and techniques in contemporary Digital Orthodontics by David Suarez, 24th of January, 2019, Amman, Jordan
- The Annual session of the American Association of Orthodontist 2019, Los Angeles, 4-8 May 2019.
- Hands-on 3D Printing: Digital Design and Applications- American Association of Orthodontist 2019, Los Angeles, May 3rd 2019.
- Hands-on workshop - Advanced Processing of CBCT Images presented by Dolphin- American Association of Orthodontist, Los Angeles, May 3rd 2019.

Courses and Conferences - Continued
<ul style="list-style-type: none">- The 95th Congress of the European Orthodontic Society. Nice, 17-22 June 2019.- Erasmus + Staff Mobility for Teaching in Lublin, Poland 14-18 October 2019.

Research Statement

My pre-doctoral research has been in predicting growth in Class III subjects. I finished my PhD in 1997 where I continued my interest in orthodontic research. Supported from deanship of research, many research projects were conducted.

When I was back in Jordan, I started with epidemiological studies where orthodontic data base was not available. Also, the research facilities were scarce. Prevalence of malocclusion, treatment need and demand and self-perception of malocclusion among Jordanians were investigated and published internationally.

Shear bond strength studies were next to conduct using the Mechanical engineering laboratories. Shear bond strength of brackets attached to ceramics, brackets attached to primary teeth and molar tubes attached with various bonding protocols were conducted. These studies resulted in publication of our research in orthodontic journals.

Postgraduate orthodontic program at Jordan University of Science and Technology increased my research potential. From 2005-2017, I supervised 35 master students and published more than 20 papers from these theses. I encourage my students to present their work in international conferences.

Occlusal Bite force registration was reported in different malocclusion, in primary teeth, during orthodontic treatment with fixed and functional appliances. Currently, as research facilities are improved, I am conducting randomized clinical studies with my master students. Clinical trials to investigate the effect of different surgical techniques on the rate of tooth movement, the effect of extraction on gummy smile, speed of curve of Spee correction and pulpal blood flow with various orthodontic appliances during alignment stage are currently on. All these studies are registered as CRT in King Abdullah university hospital.

Palatally impacted canines were thoroughly investigated using digital imaging techniques. This research is accepted for publication and another project is still ongoing

I look forward to improve my research and reach a high level to bring new data technologies from research into industry.

Master Thesis Supervision

- Siwak as an oral hygiene aid in patients with fixed orthodontic appliances.
- Periodontal health status in patients with different vertical skeletal pattern.
- An *in-Vitro* investigation into the fracture resistance of single implant all-ceramic abutment restorations.
- Acceptability of different orthodontic appliances and attitudes of Jordanian students toward orthodontic treatment.
- Shear bond strength of metal and ceramic brackets bonded to ceramic surface
- Effectiveness of lower lingual arch as a space holding device- a 6-months-follow up study.
- Lower third molar space in different antero-posterior and vertical skeletal pattern
- Morphometric correlations between lower facial profile, anterior bony outlines of upper and lower jaws, and inter-incisal angle using Fourier Shape Analysis
- Maximum occlusal bite force changes up to six months during orthodontic treatment with fixed appliance – A prospective longitudinal study
- Perceptions of Jordanian dental professionals and laypersons to altered smile esthetics
- Shear bond strength of orthodontic brackets bonded to primary teeth with different etching time
- Relationship between personality traits and perception of orthodontic treatment need.
- Effect of premolar extraction on upper airway dimension in patients with bimaxillary proclination.
- Symmetry of dentoalveolar parameters in subject with unilateral maxillary canine displacement.
- Dental age assessment in subjects with maxillary Canine Displacement.
- Skeletal and Dentoalveolar Parameters in Subjects with Maxillary Canine Displacement
- Skeletal and Dentoalveolar components of Class III malocclusion.
- The relationship between head posture and anteroposterior skeletal jaw relationships in different age groups
- Primary Maxillary and Mandibular Dental Arch Forms in Jordanian Children with Normal Occlusion
- Comparison of personality traits, pain perception and attitude toward orthodontic treatment before and after the start of orthodontic treatment
- Determination of the dental age in Jordanian patients with third molar agenesis, using Demirjian method.

Master thesis supervision (Continued)

- The effect of placement of Stainless Steel Crown on bite force of primary dentition in children.
- A comparison of airway dimensions between lateral cephalograms and cone-beam CT images in obstructive sleep apnea patients
- Periodontal health knowledge and awareness among orthodontic patients
- Tensile and Shear Bond strength of orthodontic molar tubes bonded using different techniques
- Assessment of dental and skeletal ages in patients with cleft lip and /or palate
- Maximum occlusal bite forces in pre-school children with different antero-posterior occlusal patterns
- Changes in pulpal blood flow of teeth during leveling and alignment stages of orthodontic treatment using Clear Aligners
- Prediction of Permanent Incisor Root Resorption Associated with Palatally Displaced Maxillary Canine: A Cone-beam Tomography study.
- Mandibular molar protraction assisted by Temporary anchorage device and Piezoelectric Corticotomy
- Changes in the vertical gingival display associated with orthodontic treatment with or without upper premolar extraction: A prospective clinical trial.
- Comparison between two leveling and alignment protocols for the treatment of Class II division 2 malocclusion: A prospective observational study.
- Evaluation of enamel demineralization during clear aligners orthodontic treatment with QLF-System: A prospective comparative study
- Changes in pulpal blood flow of teeth during leveling and alignment stages of orthodontic treatment using Clear Aligners
- Comparative evaluation of pulpal blood flow during initial orthodontic alignment phase using different Nickel Titanium wires.
- Three dimensional evaluation of maxillary canine root and alveolar bone thickness and density in patients with maxillary displaced canines: - A cone-beam tomography study.
- Curve of Spee: speed of levelling using different orthodontic arch wire size and material - A randomized clinical trial.
- Speed of premolar extraction space closure: The effect of every visit replacement of working arch wire and timing of extraction.

Publications	
1	Ahed Alwahadni, Elham S.J. Abu Alhaija , Adel Alwahadneh. A Review of Dental Amalgam and substitutes. Journal of the Irish Dental Association 1997; 43:188-125.
2	Faiez Hattab, Elham S. J. Abu Alhaija . Radiographic evaluation of mandibular third molar eruption space. Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, Endodontics 1999; 88: 285-291.
3	Elham S. J. Abu Alhaija , Andrew Richardson. Long term effect of the chin cap on hard and soft tissues. European Journal of Orthodontics 1999; 21: 291-298.
4	Elham S. J. Abu Alhaija , Aref Al-Momani, Othman Yassin. Occlusion in deciduous dentition of 2.5-5.5 year-old Jordanian children. Dental news 1999; 4: 15-17.
5	Elham S. J. Abu Alhaija , Patrick McSherry, Andrew Richardson A cephalometric study of the effect of extraction of lower first permanent molars. The Journal of Clinical Pediatric Dentistry 2000; 24:195-198.
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