



Dr. Emad AlShwaimi

Professor

Personal Data

Nationality | Saudi

Department | Restorative Dental Science Department

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Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others	-	-	-

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
June 2009	Doctorate of Medical Science (DMSc)	Harvard University, Harvard School of Dental Medicine	Boston, U.S.A.
Sep 2006	Fellowship (FRCD(C))	The Royal College of Dentists of Canada	Toronto, Canada
June 2006	Certificate of Advanced Graduate Studies (CAGS)	Columbia University, College of Dental Medicine	New York, U.S.A
June 2002	Bachelor Degree of Dental Surgery (BDS)	King Saud University, College of Dentistry	Riyadh, Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Role of T Regulatory and Th17 cells in Periapical Bone Lesions
Fellowship	Royal College of Dentists of Canada



Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Professor	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	May 2018- Present
Associate Professor	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	May 2014 – May 2018
Assistant Professor	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	July 2009 – May 2014
Consultant	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia and Saudi Commission for Health Specialties, Riyadh, Saudi Arabia	July 2009 – Present
Assistant Clinical Investigator	Forsyth Institute, Boston, U.S.A.	June 2009 – Present
Research Fellow	Forsyth Institute, Boston, U.S.A.	June 2006 – June 2009
Research Student	Harvard University, Harvard School of Dental Medicine, Boston, U.S.A.	June 2006 – June 2009
Resident	Columbia University, College of Dental Medicine, New York, U.S.A	June 2004 – June 2006
Demonstrator	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	Nov. 2002 – June 2004
General Dentist	King Fahad National Guard Hospital, Riyadh, Saudi Arabia	July 2002 – Nov. 2002
Intern	Riyadh Military Hospital, Riyadh, Saudi Arabia	Feb. 2002 – June 2002
Intern	King Saud University, Riyadh, Saudi Arabia	June 2001 – Feb. 2002
Dental Student	King Saud University, College of Dentistry Riyadh, Saudi Arabia.	June 1995 – June 2002

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Dean for Postgraduate Studies and Scientific Research	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	May 2014 – Present
Supervisor for the training center of The Saudi Board of Endodontics	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	March 2013 – Sep 2018
Vice Dean for Scientific Research	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	May 2012 – May 2014
Chairman, Restorative Dental Sciences Department	University of Dammam (formerly King Faisal University), College of Dentistry, Dammam, Saudi Arabia	Feb 2010 – Present
Director of Eastern province section/Saudi Endodontic Society		March 2010 – March 2013



Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	AlShwaimi E	Cyclic fatigue resistance of a novel rotary file manufactured using controlled memory Ni-Ti technology compared to a file made from M-wire file.	International Endodontic Journal. 2018;51(1):112-117
2	AlShwaimi E	Comparing ProFile Vortex to ProTaper Next for the Efficacy of Removal of Root Filling Material: An Ex Vivo Micro-Computed Tomography study.	Saudi Dental Journal 2018;30(1),63–69
3	Atmeh AR, AlShwaimi E	The Effect of Heating Time and Temperature on Epoxy Resin and Calcium Silicate-based Endodontic Sealers.	Journal of Endodontics. 2017;43(12):2112-2118
4	U Hassan, I Farooq, IA Moheet, E AlShwaimi.	Cutting efficiency of different dental materials utilized in an air abrasion system.	International Journal of Health Sciences. 2017;11(4): 23–27.
5	S Al-Shehri, S Al-Nazhan, S Shoukry, E Al-Shwaimi , B Al-Shemmery	Root and canal configuration of the maxillary first molar in a Saudi subpopulation: A cone-beam computed tomography study	Saudi Endodontic Journal. 2017;7(2): 69-76
6	Majeed A, AlShwaimi E	Push-out Bond Strength and Surface Microhardness of Calcium Silicate-based Biomaterials: An in-vitro Study.	Medical Principles and Practice. 2017;26(2):139-145
7	Alyousef YM, Borgio JF, AbdulAzeez S, Al-Masoud N, Al-Ali AA, Al-Shwaimi E , Al-Ali AK.	Association of MBL2 Gene Polymorphism with Dental Caries in Saudi Children.	Caries Research Journal. 2017; 51(1), 12-16
8	Alkaabi W, AlShwaimi E , Farooq I, Goodis HE, Chogle SM.	A Micro-computed Tomography Study of the Root Canal Morphology of Mandibular First Premolars in an Emirati Population.	Medical Principles and Practice. 2017;26(2):118-124
9	AlShwaimi E , Bogari D, Ajaj R, Al-Shahrani S, Almas K, Majeed A.	In Vitro Antimicrobial Effectiveness of Root Canal Sealers against Enterococcus faecalis: A Systematic Review.	J Endod. 2016 Nov;42(11):1588-1597.
10	AlShwaimi E , Majeed A, Ali A.	Pulpal Responses to Direct Capping with Betamethasone/Gentamicin Cream and Mineral Trioxide	J Endod. 2016 Jan;42(1):30-5



		Aggregate: Histologic and Micro-Computed Tomography Assessments.	
11	E Farooq, I., Moheet, I.A. & <u>AlShwaimi</u>	Cavity cutting efficiency of a Bioglass™ and alumina powder combination utilized in an air abrasion system	Bulletin of Materials Science. 2016 Oct;39(6),1531-36
12	Alshehri M, Alamri HM, <u>AlShwaimi</u> E, Kujan O.	Micro-computed tomographic assessment of quality of obturation in the apical third with continuous wave vertical compaction and single match taper sized cone obturation Techniques.	Scanning. 2016 Jul;38(4):352-6
13	HA Bahgat, E <u>AlShwaimi</u> , AE El-Embaby	Evaluation of the bonding ability of a nano-structured adhesive system	International Journal of Dental Science and Research. 2015 Dec; 2 (2), 34-40
14	Farooq I, Moheet IA, <u>AlShwaimi</u> E.	In vitro dentin tubule occlusion and remineralization competence of various toothpastes.	Arch Oral Biol. 2015 Jun 6;60 (9):1246-1253.
15	Carter AE, Carter G, Boschen M, <u>AlShwaimi</u> E, George R.	Ethnicity and Pathways of Fear in Endodontics.	J Endod. 2015 Sep;41(9):1437-40
16	Cirillo N, <u>AlShwaimi</u> E, Prime SS, Al-Hayani A.	Creating a sustainable plan for biomedical higher education in Saudi Arabia. Phase I.	Int J Health Sci. 2015 Jan; 9(1):93-103.
17	Narayanaraopeta U, <u>AlShwaimi</u> E.	Preclinical endodontic teaching. A survey of Saudi dental schools.	Saudi Med J. 2015 Jan; 36(1):94-100.
18	Carter AE, Carter G, Boschen M, <u>AlShwaimi</u> E, George R.	Pathways of fear and anxiety in dentistry: A review.	World J Clin Cases. 2014 Nov 16;2(11):642-53
19	MH Arzmi, <u>AlShwaimi</u> E, WHA Harun, Abdul Razak F, Farina F, MJ McCullough, Cirillo N.	Gaining more insight into the determinants of candida species pathogenicity in the oral cavity.	European Journal of Inflammation 2014; 12 (2), 227-235.
20	<u>AlShwaimi</u> E, Bhasker U.	Effect of time on electronic working length determination with a novel endodontic module in preclinical endodontic training.	SJMMS 2014 Jan-April; 2 (1): 37-42.
21	Cirillo N, <u>AlShwaimi</u> E, McCullough M, Prime SS.	Pemphigus vulgaris autoimmune globulin induces Src-dependent tyrosine-phosphorylation of plakophilin 3 and its detachment from desmoglein 3.	Autoimmunity 2013 Dec; 1-7
22	<u>AlShwaimi</u> E, Berggreen E, Furusho H, Rossall JC, Dobeck J, Yoganathan S, Stashenko P, Sasaki H.	IL-17 Receptor A Signaling Is Protective in Infection-Stimulated Periapical Bone Destruction.	J Immunol. 2013 Aug;191(4):1785-91
23	<u>AlShwaimi</u> E, Majeed A	Perceived quality, clarity, and accuracy of manually processed and self developing radiographs in endodontics.	Int J Health Sci. 2013 Jun;7(2):116-23.



24	AlShwaimi E.	Usage Parameters of Nickel Titanium Rotary Files: A Survey of Dentists in Saudi Arabia.	Pak Oral Dental J. 2012 Dec;33(1):122-30.
25	AlShwaimi E.	The Uptake of Nickel-Titanium Rotary Files in Saudi Arabia.	Int J Dent. 2012;2012:484291
26	Silva MJ, Kajiya M, AlShwaimi E , Sasaki H, Hong J, Ok P, Rezende TM, Pagonis TC, White RR, Paster BJ, Stashenko P, Kawai T.	Bacteria-reactive Immune Response May Induce RANKL-expressing T Cells in the Mouse Periapical Bone Loss Lesion.	J Endod. 2012 Mar;38(3):346-50
27	AlShwaimi E.	Evaluation of Antimicrobial Effect of Root Canal Sealers.	Pak Oral Dental J. 2011 Dec;31(2):432-5
28	Mawardi H, Giro G, Kajiya M, Ohta K, Armazrooa S, AlShwaimi E , Woo SB, Nishimura I, Kawai T.	A Role of Oral Bacteria in Bisphosphonate-induced Osteonecrosis of the Jaw.	J Dent Res. 2011 Nov;90(11):1339-45
29	Sasaki H., Suzuki N., AlShwaimi E , Y. Xu, Battaglino R, L. Morse, P. Stashenko.	18 β -Glycyrrhetic acid inhibits periodontitis via glucocorticoid-independent nuclear factor- κ B inactivation in interleukin-10-deficient mice.	J Periodontal Res. 2010 Dec;45(6):757-63
30	AlShwaimi E , Purcell P, Kawai T, Sasaki H, Oukka M, Campos-Neto A, Stashenko P.	Regulatory T cells in Mouse Periapical Lesions.	J Endod 2009;35:1229–1233.
31	Almas K, AlShwaimi E , Al-Shamrani HS, Skaug N. corrected to AlShwaimi , Emad].	The oral hygiene habits of schools students in Riyadh, Saudi Arabia.	Saudi Med J. 2003 Dec;24(12):1408-10. (Erratum in: Saudi Med J. 2011 Dec;32(12):1321. Al-Shwaimi, Emad O [corrected to AlShwaimi, Emad].

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Carter AE, AlShwaimi E , Boschen M, Carter G, George R.	Influence of culture change on the perception of fear and anxiety pathways in Endodontics: A pilot proof of concept study.	Aust Endod J	2018 Jan 16. doi: 10.1111/aej.12253



Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Saudi Dental Society – Endodontic Day.	AlKhobar, Saudi Arabia, Oct 2016.	Attended and Organized
2	Saudi Dental Society – Esthetic Day.	, AlKhobar, Saudi Arabia, May 2016	Attended
3	American Association of Endodontists Annual Meeting.	San Francisco, U.S.A, April 2016.	Speaker.
4	16th King Saud University International Conference and 27th of Saudi Dental Society.	Riyadh, Saudi Arabia, Jan 2016.	Attended.
5	European Society of Endodontology Congress.	Barcelona, Spain, Sep 2015.	Attended.
6	Saudi Dental Society – Monthly Scientific Meeting "Pathologic Root Resorption", "Endodontic Regeneration".	AlKhobar, Saudi Arabia, Sep 2015.	Attended.
7	American Association of Endodontists Annual Meeting.	Seattle, U.S.A, May 2015.	Speaker.
8	International Association of Dental Research.	Boston, U.S.A, March 2015.	Speaker.
9	American Association of Endodontists Annual Meeting.	Washington, U.S.A, April 2014.	Attended.
10	The 11th Annual Symposium for University of Dammam College of Dentistry.	Dammam, Saudi Arabia, Oct 2013.	Attended.
11	American Association of Endodontists Annual Meeting.	Hawaii, U.S.A, April 2013.	Speaker.
12	Endodontic Forum, DENTSPLY.	Geneva, Switzerland, Feb 2013.	Attended.
13	“World Intellectual Property Organization (WIPO) National Conference for Patent Drafting”, King Abdulaziz City for Science and Technology.	Riyadh, Saudi Arabia, Nov 2012.	Attended.
14	The 10th Annual Symposium for University of Dammam College of Dentistry; "Dentistry in Evidence Based Practice Era.	"Dammam, Saudi Arabia, May 2012.	Attended and Organized.
15	American Association of Endodontists Annual Meeting.	Boston, U.S.A, April 2012.	Attended.
16	The Eastern Province International Dental Conference and 2nd Conference of Saudi Endodontic Society,	AlKhobar, Saudi Arabia, March 2012.	Attended and Organized.
17	The 2nd Pan Arab Endodontic Conference.	Dubai, UAE, Jan 2012.	Keynote Speaker.
18	The 3rd National Guard & 1st Saudi Endodontic Society International Conference.	Riyadh, Saudi Arabia, Oct 2011.	Speaker.



19	The 15th Annual Meeting of The European Endodontic Society.	Rome, Italy, Sep 2011.	Speaker.
20	"1st American Dental Update"	Dubai, UAE, May 2011	Speaker.
21	The 9th Annual Symposium for University of Dammam College of Dentistry; " Raising the Bar in Dentistry "	" Dammam, Saudi Arabia, May 2011.	Attended and Organized.
22	American Association of Endodontists Annual Meeting.	Saint Antonio, U.S.A., April 2011.	Attended.
23	Saudi Endodontic Society Meeting, "Mastering Molar Endodontics".	Dammam, Saudi Arabia	Attended and Organized.
24	Greater New York Dental Meeting.	New York, U.S.A, Nov 2010.	Speaker.
25	Saudi Endodontic Society 1st Monthly Scientific Meeting.	Riyadh, Saudi Arabia, Sep 2010.	Attended.
26	International Association of Dental Research 88th General Session and Exhibition (IADR).	Barcelona, Spain, July 2010.	Attended.
27	The 8th Annual Symposium for University of Dammam College of Dentistry; "Innovation in Implant Dentistry"	Dammam, Saudi Arabia, 2010.	Attended and Organizer.
28	American Association of Endodontists Annual Meeting.	Saint Diego, U.S.A, April 2010.	Speaker.
29	The 1st Saudi Endodontic Society Meeting.	Riyadh, Saudi Arabia, Mar 2010.	Speaker.
30	AEEDC International Dental Conference.	Dubai, UAE, Feb 2010.	Speaker.
31	King Saud University 13th International Dental Conference, The 21st for The Saudi Dental Society	Riyadh, Saudi Arabia, Feb 2010.	Speaker.
32	The 6th Gulf Dental Association Conference.	Arabia, Nov 2009.	Attended.
33	Saudi Dental Society – Monthly Scientific Meeting "Key to Successful Endodontics"	AlKhobar, Saudi Arabia, Oct 2009,	Speaker.
34	Beirut International Dental Meeting.	Beirut, Lebanon, Sep 2009.	Attended.
35	American Association of Endodontists Annual Meeting.	Orlando, U.S.A, April 2009.	Speaker.
36	International Association of Dental Research 87th General Session and Exhibition (IADR), Barcelona.	Barcelona, Spain, April 2009.	Speaker.
37	"APICES" 2008	Boston, U.S.A, Aug 2008.	Attended.
38	Yankee Dental Congress 2008.	Boston, U.S.A, Jan 2008.	Attended.
39	Root Summit VII.	Miami U.S.A, June 2007.	Attended.
40	Yankee Dental Congress 2007.	Boston, U.S.A, Jan 2007.	Attended.
41	American Association of Endodontists Annual Meeting.	Philadelphia, U.S.A, April 2007.	Attended.
42	Greater New York Dental Meeting.	New York, U.S.A, Nov 2005,	Attended.



43	Albert Einstein Medical Center "Academic Review of Endodontology"	Valley Forge, U.S.A, Sep 2005,	Attended.
44	International Symposium on Endodontic Biology, Connecticut.	USA, Oct 2004, Attended.	Attended.
45	The 2nd Annual Symposium for King Faisal University "Update on Dentistry and Oral Health".	Dammam, Saudi Arabia, April 2004.	Attended and Organized.
46	The Annual Scientific Meeting of the Saudi Dental Society, Saudi Dental Society, Riyadh,	Saudi Arabia, Riyadh, Saudi Arabia, Jan 2004.	Attended.
47	Saudi Advanced General Dentistry Club's 1st scientific meeting.	Dhahran, Saudi Arabia, Oct 2003.	Attended.
48	DENTSPLY Symposium in Dubai.	Dubai, U.A.E, Sep 2003.	Attended.
49	The 6th Annual Endodontology Meeting of the Saudi Endodontic Club.	Jeddah, Saudi Arabia, June 2003.	Attended.
50	The 1st Annual Symposium for King Faisal University "Update on Dentistry and Oral Health".	Dammam, Saudi Arabia, April 2003.	Attended and Organized.
51	The Annual Scientific Meeting of the Saudi Dental Society.	Riyadh, Saudi Arabia, Jan 2003.	Attended and Organized.

Membership of Scientific and Professional Societies and Organizations

- Saudi Endodontic Society (2010 – Present)
- American Association of Endodontists (2004 – Present)
- Saudi Dental Society (2000 – Present)

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Participates in Clinical Endodontics, 4th year students,	RDS	Clinic & Lectures
2	Comprehensive Clinical Dentistry (CCD) seminars, 6th year students,	DTEDU 631	Clinic & Seminar



Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Classic Literature Review	None	21 seminar
2	Advanced Clinical Endodontic Clinics	None	30 clinics

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Clinical Endodontics	Course Director		√		2010	2011

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date



Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	Sep 2014	Dec. 2014	Acting Chairman, Biomedical Dental Sciences Department	College of Dentistry, University of Dammam, Dammam, Saudi Arabia
2	May 2014	Present	Vice Dean for Postgraduate Studies and Scientific Research	College of Dentistry, University of Dammam, Dammam, Saudi Arabia
3	March 2013	Present	Supervisor for the training center of The Saudi Board of Endodontics	College of Dentistry, University of Dammam, Dammam, Saudi Arabia
4	May 2012	May 2014	Vice Dean for Scientific Research	College of Dentistry, University of Dammam, Dammam, Saudi Arabia
5	Feb 2010	Present	Chairman, Restorative Dental Sciences Department	College of Dentistry, University of Dammam, Dammam, Saudi Arabia
6	March 2010	March 2013	Director of Eastern province section/Saudi Endodontic Society	Saudi Endodontic Society

Committee Membership

#	From	To	Position	Organization
1	Oct. 2016	Date	Member	the examination committee of the Endodontic Scientific Committee
2	Feb. 2016		Member	the accreditation committee for the accreditation of Dental Assistance Bachelor Degree at Prince Sultan College
3	Jan. 2015	April 2015	Member	the Steering Committee for the 12th Annual Dental Symposium
4	Dec. 2014	Date	Chairman	the Scholarship Follow Up Unit, College of Dentistry, University of Dammam
5	Dec. 2014	Date	Chairman	the Postgraduate Unit, College of Dentistry, University of Dammam
6	May 2014	Date	Chairman	the Research Unit, College of Dentistry, University of Dammam
7	April 2014		Chairman	the accreditation committee for the Saudi Board of Endodontic Training Center at the Air Base
8	Aug. 2013	Date	Member	the Eastern Province Committee for the Saudi Board of Endodontics, Saudi Commission for Health Specialties
9	Aug. 2013	May 2014	Member	the Steering Committee: Distribution of Self Study Documents "Area 10: Scientific Research at the University, University of Dammam



10	Nov. 2012	May 2014	Member	Research Ethics Committee at King Fahad Hospital of the University, King Fahad Hospital of the University
11	June 2012	May 2014	Coordinator and Representative	University of Dammam for World Intellectual Properties (WIPO) agreement with King Abdulaziz City For Science and Technology (KACST), Deanship of Scientific Research, University of Dammam
12	May 2012	May 2014	Secretary and Member	the Deanship of Scientific Research Board, Deanship of Scientific Research, University of Dammam
13	Jan 2012	April 2016	Member	the Scientific committee for the Saudi Endodontic Board, Saudi Commission for Health Specialties
14	Dec. 2011	May 2012	Member	the Scientific Committee for the 10 th Annual Dental Symposium, College of Dentistry, University of Dammam
15	Dec. 2011	May 2012	Chairman	the Exhibition Committee for the 10 th Annual Dental Symposium, College of Dentistry, University of Dammam
16	Dec. 2011	Date	Representative	the College of Dentistry at the University of Dammam Research Ethics Committee, Deanship of Scientific Research, University of Dammam
17	Nov. 2011	Date	Supervisor	Supervisor of the Micro-Computer Tomography (CT) laboratory, College of Dentistry, University of Dammam
18	Nov. 2011	Date	Member	the Health Services Board, College of Dentistry, University of Dammam
19	Dec. 2010	May 2011	Chairman	the Exhibition Committee for the 9 th Annual Dental Symposium, College of Dentistry, University of Dammam
20	Oct. 2010	Date	Chairman	of the Student Administration and Supporting Services for the <u>National Commission for Academic Accreditation & Assessment</u> (NCAAA), College of Dentistry, University of Dammam
21	Oct. 2010	Date	Member	the Research Committee for the NCAAA. College of Dentistry, University of Dammam
22	Feb. 2010	Date	Member	the Admission Committee for Demonstrators. Dental College, UOD
23	Feb. 2010	Date	Member	the College of Dentistry Faculty Board, College of Dentistry, University of Dammam
24	Feb. 2010	Date	Member	the Admission Committee for Demonstrators, College of Dentistry, University of Dammam
25	Dec. 2009	Date	Member	The Postgraduate Committee, College of Dentistry, University of Dammam
26	Nov. 2009	Date	Member	The Scientific Research Committee, College of Dentistry, University of Dammam
27	Oct. 2009	Oct. 2011	Chairman	the Dental School Website Developing Committee, College of Dentistry, University of Dammam



Inventions & Patents

No.	Contributors	Title	Patent Office	Current Situation
1	AIShwaimi E, Bohluli P	Rotary Endodontic File	Saudi Patent Office	Certificate Issued P# 4637; 2016
2	AIShwaimi E, Majeed A, Ali AA	A Dental Composition and Method of Direct Pulp Capping	United States Patent Office	Patent Filed 2016
3	Farooq I, Moheet I, AIShwaimi E	Method for Occluding Dentine Tubules and Remineralizing Teeth	United States Patent Office	Published #_US-2017-0319455-A1

Volunteer Work

#	From	To	Type of Volunteer	Organization
	14/3/2016	15/3/2016	Endodontic Treatment	Dammam prison

Last Update

22/05/2018