

CURRICULUM VITAE Dr Okba Mahmoud

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Ajman University Profile:

https://www.ajman.ac.ae/en/dentistry/directory/staff/okba-mahmoud



Academic Rank

Associate Professor (Consultant Endodontist: MOH License No. D3533) at College of Dentistry, Ajman University, Ajman, United Arab Emirates.

Qualifications

•	02/2022	Membership of the Faculty of Dental Surgery, the Royal College of Physicians and Surgeons of Glasgow, Glasgow, United Kingdom (MFDS RCPS Glasg).
•	09/2005 - 11/2009	Clinical PhD in Endodontics (Doctor of Philosophy), Restorative Dentistry, School of Dental Sciences, Newcastle University, Newcastle upon Tyne, UK.
•	09/1998 - 09/2003	Bachelor of Dental Surgery (BDS) in Dentistry with grade "good", College of Dentistry, Baghdad University, Baghdad, Iraq.

Research fields

- Endodontics (Root Canal Treatments)
- Dental Biomaterials
- Dental Educations



Publications (Last seven years)

Published Articles (Full Papers)

- Mahmoud O, Abdelmagied MHA, Dandashi AH, Jasim BN, Hussam Alddin Tawfik Kayali HAT, Al Shehadat S (2021). Comparative Evaluation of Accuracy of Different Apex Locators: Propex IQ, Raypex 6, Root ZX, and Apex ID with CBCT and Periapical Radiograph - In Vitro Study. International Journal of Dentistry, Volume 2021:5563426. Doi: 10.1155/2021/5563426.
- Farook MS, and Mahmoud O, Ibrahim MA, Berkathullah M (2021). Comparing the Effectiveness of Different Dentinal Desensitizing Agents: In Vitro Study. BioMed Research International, 12:2021:6652250. doi: 10.1155/2021/6652250. eCollection.
- Mathew A, Burahmah A, Abu Fanas S, Mahmoud O, Jaber MA, Natarajan PM, Radeideh A (2021).
 An In-Vitro Comparative Analysis on Root Canal Transportation, Centering Ability, Angle of Curvature Using XP-Endo Shaper and WaveOne Gold Rotary Systems-A CBCT Study. Systematic Reviews in Pharmacy, 2(1): 1572-1580doi: 10.31838/srp.2021.1.222.
- Mahmoud O, Almeeri W, Al-Afifi N, Farook M (2020). Calcium Silicate-Based Cement as Root Canal Medicament. Clinical, Cosmetic and Investigational Dentistry, 12:49-60. doi: 10.2147/CCIDE.S241015. eCollection 2020.
- Berkathullah M, Farook MS, and Mahmoud O (2018). The effectiveness of remineralizing agents on dentinal permeability. BioMed Research International, 12;2018:4072815. doi: 10.1155/2018/4072815. eCollection.
- Asaduzzaman K, Khandaker MU, Binti Baharudin NA, Amin YB, Farook MS, Bradley DA, Mahmoud O (2017). Heavy metals in human teeth dentine: A bio-indicator of metals exposure and environmental pollution. Chemosphere 176:221-230.

Patents

Invention: Calcium Silicate-Based Cement (CSC) as Root Canal Medicament. Patent Number: PI2014703468 (2019). To evaluate the possibility of using CSC (primarily known as MTA) as a root canal medicament by retarding or impeding the setting reaction of the cement after mixing with 2% Chlorhexidine gel.

Published Abstracts

- Mahmoud O, Alhimairi SA, Ali A, Sultan D (2021). Comparative Analysis of Canal Aberrations Using Different Rotary Systems in Simulated S-shaped Canals: A Hybrid Technique. *Journal of Dental Research*, Vol 99, Spec Iss A, Abstract number 1564.
- Mahmoud O, Almeeri W, Ibrahim M, Farook M (2017). Root Canal Medicament: Mixture of Calcium Silicate-based Cement and Chlorhexidine Gel. Journal of Dental Research, Vol 96, Spec Iss B, Abstract number 1128.
- Berkathullah M, Farook MS, and Mahmoud O (2016). The Effectiveness of Different Remineralizing Agents in Reduction of Dentine Permeability–In Vitro Study. International Dental Conference and



Arab Dental Exhibition (AEEDC), 2nd - 4th February 2016, Dubai, UAE. (Poster Presentation). Poster Award Competition: Poster won the 3rd Place.

- Almiri W, Mahmoud O (2014). Calcium Silicate-based Cement (CSC) as Root Canal Medicament. Journal of Dental Research, Vol 93, Spec Iss B, Abstract number 0073.
- Mahmoud O, Al-Afifi N, Ibrahim M, Binti Abdullah M, Abu Kasim NH (2013). Chemical analysis of recent types of Calcium Silicate-Based Cements. Journal of Dental Research, Vol 92, Spec Iss B, Abstract number 0041.

Courses Taught (Last five years)

SEM / Academic Year	Course Title
SEM 2 / 2022	 - Pre-Clinical Endodontics II (Year 3) - Clinical Dentistry (Restorative Dentistry, Year 5) - Thesis preparation I (MSc Endodontics) - Research Project (Year 5) - Interns
SEM 1 / 2022	 - Pre-Clinical Endodontics I (Year 3) - Clinical Dentistry (Restorative Dentistry, Year 5) - MSc Paediatrics Dentistry - Research Proposal (MSc Endodontics) - Interns
SEM 2 / 2021	 - Pre-Clinical Endodontics II (Year 3) - Clinical Dentistry (Restorative Dentistry, Year 5) - MSc Endodontics - Research Project (Year 5) - Interns
SEM 1 / 2021	- Pre-Clinical Endodontics I (Year 3)- MSc Endodontics- Interns
SEM 2 / 2020	 - Pre-Clinical Endodontics II (Year 3) - Clinical Dentistry (Restorative Dentistry, Year 5) - MSc Endodontics - Research Project (Year 5) - Interns



SEM 1 / 2019 - Pre-Clinical Endodontics I (Year 3)

- Clinical Dentistry (Restorative Dentistry, Year 5)

- MSc Endodontics

- Interns

SEM 2 / 2019 - Pre-Clinical Endodontics II (Year 3)

- Clinical Dentistry (Restorative Dentistry, Year 5)

- Interns

- Research Project (Year 5)

SEM 1 / 2018 - Pre-Clinical Endodontics I (Year 3)

- Clinical Dentistry (Restorative Dentistry, Year 5)

- Interns

SEM 2 / 2018 - Pre-Clinical Endodontics II (Year 3)

- Clinical Dentistry (Restorative Dentistry, Year 5)

- Research Project (Year 5)

- Interns

SEM 1 / 2017 - Pre-Clinical Endodontics I (Year 3)

- Clinical Dentistry (Restorative Dentistry, Year 5)

- Interns

SEM 2 / 2017 - Clinical Dentistry (Restorative Dentistry, Year 5)

- Research Project (Year 5)

- Interns

SEM 1 / 2016 - Clinical Dentistry (Restorative Dentistry, Year 5)

- Interns

Professional Experience

(Full Time)

(Full Time)

08/2016 - Date Assistant Professor / Consultant Endodontist & Endodontics Coordinator for

undergraduate program at College of Dentistry, Ajman University, Ajman, United

Arab Emirates.

08/2015 - 08/2016 Assistant Professor (Consultant Endodontist) at RAK College of Dental Sciences,

RAK Medical and Health Sciences University, Ras Al Khaimah, United Arab

Emirates.



02/2015 - 08/2015 (Part Time)	Assistant Professor (Consultant Endodontist) at College of Dental Medicine, University of Sharjah, Sharjah, United Arab Emirates. The job involved clinical supervision and teaching.
05/2011 - 11/2014 (Full Time)	Senior Lecturer (Specialist Endodontist) in the Department of Restorative Dentistry at Faculty of Dentistry, University of Malaya, 50603 Kuala Lumpur, Malaysia.
08/2010 - 03/2011 (Full Time)	Senior House Officer (SHO) in Oral & Maxillofacial and Endodontics Surgery at Hull Royal Infirmary, Diana Princess of Wales Hospital, and Scunthorpe General Hospitals, (Hull & East Yorkshire Hospitals, UK).
03/2010 - 08/2010 (Full Time)	Senior House Officer (SHO) in Restorative and Periodontics Dentistry at Glasgow Dental Hospital and School, University of Glasgow, Glasgow, UK.
01/2010 - 03/2010 (Full Time)	Clinical Teaching Assistant at Clinical Skills Unit (CSU) in the School of Dental Sciences, Newcastle University, Newcastle upon Tyne, UK. This course provides theoretical input and intensive hands-on training through lectures, practical demonstrations and personal laboratory practice of the 3 rd year undergraduate dental students.
09/2005 - 12/2009 (Full Time)	Four years PhD in Clinical Restorative Dentistry in the field of Endodontics and Dental Materials Science, School of Dental Sciences, Newcastle University, UK. The PhD Degree was Clinically and Laboratory based. The title of the PhD thesis was: Mineral Trioxide Aggregate (MTA) - in Dentistry - its characteristics and consequences of serum contamination.
03/2005 - 08/2005 (Full Time)	Clinical Attachment in Restorative Dentistry, School of Dental Sciences, Newcastle University, Newcastle upon Tyne, UK.
01/2004 - 02/2005 (Full Time)	Dentist (Rotational) at Al-Karama Specialised Dental Centre "Al-Karama Hospital", Baghdad, Iraq. During this period I spent 2 months in each of the following departments: Restorative dentistry, Endodontic, Oral surgery, Periodontic, Prosthodontic, Maxillo-Facial surgery and X-ray.
10/2003 - 01/2004 (Full Time)	Dentist at Al-Kadhimiyah Specialised Dental Center, Baghdad, Iraq.

Committees Work

- 1. Member of Continuing Education Office at College of Dentistry, Ajman University, Ajman, UAE.
- 2. Member of Supplies Management Team at College of Dentistry, Ajman University, Ajman, UAE.
- 3. Member of Assessment and Continuous Improvement Committee (ACIC) at College of Dentistry, Ajman University, Ajman, UAE.
- 4. Member of Recruitment Committee at College of Dentistry, Ajman University, Ajman, UAE.



- 5. Member of Purchasing Committee at College of Dentistry, Ajman University, Ajman, UAE.
- 6. Specialty Unit Coordinator in Endodontics of Undergraduate Programme at College of Dentistry, Ajman University, Ajman, UAE.
- 7. Member of Patient Digital Management System committee, for purchasing and applying it at College of Dentistry, Ajman University, Ajman, UAE.
- 8. Member of Research Ethic Committee (CRC) at College of Dentistry, Ajman University, Ajman, UAE.
- 9. Scientific Committee Member in the Iraqi Association for Oral Research (IAOR), The Iraqi Division of the International Association for Dental Research (IADR).
- 10. Clinical Complaints Committee (Member).
- 11. Infection Control Inspection Committee (Member).
- 12. Coordinator of Dental Materials, Instruments, and Machines for undergraduate and postgraduate Endodontics Program.
- 13. Member of Scientific Committee of the 4th International Conference of Pharmacy & Medicine (ICPM) that was held on 19th November 2019 at College of Dentistry, Ajman University, Ajman, UAE.
- 14. Leader of the Organization Committee for the Workshop: Improving your Endodontics: Lecture & hands-on course covering modern thinking on endodontic treatments at 4th International Conference of Pharmacy & Medicine (ICPM) was held on 19th November 2019 at College of Dentistry, Ajman University, Ajman, UAE.
- 15. Marketing & Communication Coordinator for the College of Dentistry at Ajman University, Ajman, UAE. The Office of Marketing and Communication aims to enhance the university reputation locally and internationally and inspire our various stakeholders across different channels.
- 16. Official Certified Trainer of Dentsply Sirona according to the curriculum guidelines of the Dentsply Sirona Endodontics Clinical Education Program: Program on ProTaper Next, ProTaper Gold & WaveOne Gold systems.
- 17. Official Certified Trainer of FKG endodontic according to the curriculum guidelines of the company. Introduction and training to FKG endodontic products Race Range, XP-endo, Total Fill.
- 18. Official Certified Trainer of MICRO-MEGA according to the curriculum guidelines of the company. Program on One Flare, One G, 2Shape, One Curve & Endo Ultra.
- 19. Member of the committee for developing new Master Programme in Endodontics (MSc) at College of Dentistry, Ajman University, Ajman, UAE.
- 20. Specialty Unit Coordinator in Endodontics of Undergraduate Programme at RAK College of Dental Sciences, RAK Medical and Health Sciences University.
- 21. Director for developing new Master Programme in Endodontics (MSc) at RAK College of Dental Sciences, RAK Medical and Health Sciences University (under process).
- 22. JKKJ DClinDent Endodontology: member of the staff working on the developing of new program (Doctor of Clinical Dentistry in Endodontology) that will be carried out in Restorative Department, Faculty of Dentistry, University of Malaya (program will start in 2020).
- 23. Basic Medical Science for Dentistry Course. 9th 17th January 2012, Faculty of Dentistry, University of Malaya, Kuala Lumpur, Malaysia.



Honors and Awards

- 1. The 99th General Session of the International Association for Dental Research (IADR), the 50th Meeting of the AADR and the 45th Meeting of the CADR virtual experience! Which was held on 21-24 July 2021. The conference abstract has been selected as the ten finalists for the 2021 IADR Joseph Lister Award for New Investigators! a prize of \$500 has been awarded. The title of the abstract was "Comparative Analysis of Canal Aberrations Using Different Rotary Systems in Simulated S-shaped Canals: A Hybrid Technique".
- 2. Awarded for supervising the Best Scientific Research Project Titled "Evaluation of Root Filling Removal after Two Stages of Retreatment Procedure: A Micro-Computed Tomography Study". Which was held on 6th June 2021 at 4th AU Students' Research Day, College of Dentistry, Ajman, UAE.
- 3. Awarded for supervisor the best scientific paper project titled "Comparative Analysis of Canal Aberrations Using Different Rotary Systems in Simulated S-shaped Canals: A Hybrid Technique". Which was held Online on 7th June 2020 at 3rd AU Students' Research Day, College of Dentistry, Ajman, UAE.
- 4. Poster Award Competition (2nd Place Winner): The 4th International Conference of Pharmacy & Medicine (ICPM) which was held on 19th November 2019 at College of Dentistry, Ajman University, Ajman, UAE. <u>Poster Title:</u> Comparison the amount of apical debris extrusion associated with different retreatment systems during retreatment process of a root canal.
- 5. Appreciation Awarded in recognition of Lecture and workshop presentation: 3rd Abu Dhabi Ambulatory Healthcare International Congress was held on 16-19 October 2019 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
- 6. Faculty Excellence in Teaching Award 2018 at Ajam University's Honors Assembly with celebration of Ajman University's 30th Anniversary, Ajman University, Ajman, UAE.
- 7. Awarded for supervisor the best scientific paper titled Comparison of Canal Transportation and Centering Ability of OneCurve, WaveOne Gold & ProTaper Next using Cone Beam Computed Tomography: An in Vitro Study. Which was held on 28th April 2018 at 14th Student Scientific Conference of College of Dentistry, Ajman, UAE.
- 8. International Association for Dental Research (IADR), 95th General Session & Exhibition in San Francisco, California, USA (23rd March 2017): The abstract has been selected as the eight finalists for the IADR/AADR/CADR Johnson & Johnson Joseph Lister Award and awarded a prize of \$500.
- 9. Poster Award Competition (3rd Place Winner): International Dental Conference and Arab Dental Exhibition AEEDC Dubai 2016, which was held on 2nd 4th of February 2016 at Dubai, UAE. <u>Poster Title</u>: The Effectiveness of Different Remineralizing Agents in Reduction of Dentine Permeability *In Vitro Study*.



Other Contributions and Achievements

REGISTRATION WITH THE DENTAL COUNCIL IN UAE, MALAYSIA, UK AND IRAQ

- Fully Registered as Consultant in Endodontics with the Ministry of Health (MOH), United Arab Emirates in 2015 (<u>License No</u>: D3533).
- Temporary Registered with the Malaysian Dental Council (MDC) in 2011-2014 (<u>Registration Number</u>: 00004/2014).
- Temporary Registered with the UK General Dental Council (GDC) in 2010/2011 (Registration Number: 103730).
- Fully Registered with the Iraqi Dental Association (IDA) in 2003 Date: entitling to practice as a General Dental Practitioner in Iraq (Registration Number: 7279).

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

2017 - Date 2016 - Date 2011 - Date 2011 - Date 2010 - 2011 2006 - Date 2006 - Date 2006 - Date	American Association of Endodontists (AAE) Iraqi Association for Oral Research (IAOR) Malaysian Dental Association (MDA) Malaysian Endodontic Society (MES) Dental Defense Union (DDU) International Association for Dental Research (IADR) British Society for Oral and Dental Research (BSODR) European Society of Endodontology (ESE)
2006 - Date 2006 - Date	European Society of Endodontology (ESE) British Endodontic Society (BDS)

RESEARCH GRANTS

RESEARCH GRAINTS		
09/2018 – 09/2019	Undergraduate Research Grant (URG). <u>Total Grant: AED10,000.00</u> , Project Title: Effectiveness of different techniques in removing the smear layer: A scanning electron microscope study.	
09/2014 - 09/2015	Postgraduate Research Grant (PPP). <u>Total Grant: RM10,400.00</u> , Project Number: PG059-2014A, Project Title: Calcium Silicate-Based Cement (CSC) as Root Canal Medicament.	
12/2013 - 01/2015	University Malaya Research Grant (UMRG), <u>Total Grant: RM52,000.00</u> , Project Number: RG530/13HTM, Project Title: Treatment of Dentine Hypersensitivity Using Novel Approach.	
02/2012 - 09/2013	Postgraduate Research Grant (PPP). <u>Total Grant: RM11,829.20</u> , Project Number: PPPC/C1-2012/DCGC/20, Project Title: The Effectiveness of Laser Activated Irrigation (LAI) in Removal of Smear Layers.	
08/2011 - 02/2013	University Malaya Research Grant (UMRG), <u>Total Grant: RM56,000.00</u> , Project Number: RG343/11HTM, Project Title: Chemical, Physical and Mechanical Characteristics of Different Brands of Portland-type Cements.	



POSTGRADUATE SUPERVISION

2013 - 2018	Master of Dental Science (MDSc). <u>Thesis Title</u> : Calcium Silicate-based Cement (CSC) as a root canal medicament. Restorative Dentistry, Faculty of Dentistry, University of Malaya. The student will be supervised by regular meeting according to the university regulations.
2014 - 2017	Master of Dental Science (MDSc). <u>Thesis Title:</u> The Effectiveness of Different Remineralizing Agents in Reducing Dentine Permeability - An in Vitro Study. Restorative Dentistry, Faculty of Dentistry, University of Malaya. The student will be supervised by regular meeting according to the university regulations.
2011 - 2014	Master of Clinical Dentistry (MClinDent). <u>Thesis Title:</u> The Effectiveness of Laser Activated Irrigation (LAI) in Removal of Smear Layers. The student supervised by regular meeting according to the university regulations.

EDITORIAL BOARD AND REFEREEING ARTICLES (PAPERS)

- Editorial Board Member for the Journal of Oral and Dental Research (JODR) which is an international peer-reviewed scientific journal.
- Referee for several peer reviewed papers to be published in the International Endodontic Journal (Tier 1) (the Official Journal of the British Endodontic Society, the European Society of Endodontology, the Flemish Society of Endodontology).

INTERNATIONAL AND NATIONAL PRESENTATIONS (PARTICIPATION IN SCIENTIFIC CONFERENCES & SEMINARS AS SPEAKER)

The international and national presentations presented are:

- 1. Comparative Analysis of Canal Aberrations Using Different Rotary Systems in Simulated S-shaped Canals: A Hybrid Technique. (Oral Presentation). The 99th General Session of the International Association for Dental Research (IADR), the 50th Meeting of the AADR and the 45th Meeting of the CADR virtual experience! 21st -24th July 2021.
- 2. Working Length Determination: The IQ Ecosystem. Live Webinar with DENTSPLY Sirona/USA, 17th September 2020, Ajman University, Ajman, UAE.
- 3. Working Length Determination: The IQ Ecosystem. Live Webinar with DENTSPLY Sirona, 17th September 2020, Aiman University, Aiman, UAE.
- 4. When to Treat, When to Refer and When to Extract. Live Online Lecture & Workshop, 10th July 2020, Organized by Global Education Development Centre DHCC, Dubai.
- 5. Working Length Determination: The IQ Ecosystem. Live Webinar with DENTSPLY Sirona, 2nd July 2020, Ajman University, Ajman, UAE.
- 6. Introducing the Latest Techniques in Root Canal Treatments including Apex Locator and Ultrasonic Irrigations at the UAE Enovation Exhibition Week organized by the Ministry of Health from 8th 13th February 2020, Sharjah, UAE (Life Workshop Presentation).
- 7. Effectiveness of different techniques in removing smear layer from the root canal: A Scanning Electron Microscope study (Poster Competition). International Dental Conference and Arab Dental Exhibition (AEEDC), 4th 6th February 2020, Dubai, UAE.



- 8. Improving Your Endodontics: Lecture & hands-on course covering modern thinking on endodontic treatments at 4th International Conference of Pharmacy & Medicine (ICPM) was held on 19th November 2019 at College of Dentistry, Ajman University, Ajman, UAE.
- 9. ProTyper Next: A safer and reproducible choice for better shaping of the root canal system (Lecture and Workshop) at 3rd Abu Dhabi Ambulatory Healthcare International Congress was held on 18th October 2019 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
- Endodontic Complexity and Case Selection Introducing the E-CAT (Oral Presentation / Invited Speaker) at 3rd Abu Dhabi Ambulatory Healthcare International Congress was held on 19th October 2019 at Abu Dhabi National Exhibition Center (ADNEC), Abu Dhabi, UAE.
- 11. Comparison of Canal Transportation and Centering Ability of OneCurve, WaveOne Gold & ProTaper Next using Cone Beam Computed Tomography (CBCT): An in Vitro Study (Poster Presentation). The European Society of Endodontology (ESE), 12th 14th September 2019, Vienna, Austria.
- 12. Excellence in Endodontics: WaveOne Gold / One Complete solution. Workshop and Lecture. The Iraqi Association for Oral Research (IAOR) 5th Scientific Meeting, 18th August 2019, Ankara, Turkey.
- 13. Endodontic Complexity and Case Selection Introducing the E-CAT (Oral Presentation / Invited Speaker). ConAsia 2018, The 1st International Asian and Oceanian federation of Conservative Dentistry (AOFCD), 6th 7th December 2018, College of Dental Medicine, University of Sharjah, Sharjah, UAE.
- 14. Root Canal Medicament: Non-setting Calcium Silicate-based Cement (Oral Presentation/Invited Speaker). The Iraqi Association of Oral Research (IAOR)/The Iraqi Division of the IADR, 4th international scientific meeting, 6th 7th August 2017, Antalya, Turkey.
- Root Canal Medicament: Mixture of Calcium Silicate-based Cement and Chlorhexidine Gel (Oral Presentation). The 95th International Association for Dental Research Congress (IADR), 22nd - 25th March 2017, San Francisco, California, USA.
- 16. The Effectiveness of Different Remineralizing Agents in Reduction of Dentine Permeability–*In Vitro Study* (Poster Presentation). International Dental Conference and Arab Dental Exhibition (AEEDC), 2nd-4th February 2016, Dubai, UAE.
- 17. Comparison between Dental Arch Dimensions and Forms in Complete Dentures and Natural Dentition (Poster Presentation). The 94th International Association for Dental Research Congress (IADR), 22nd 25th June 2016, Seoul, Republic of Korea.
- 18. Calcium Silicate-based Cement (CSC) as Root Canal Medicament (Poster Presentation). The 28th Annual Scientific Meeting, International Association for Dental Research (IADR) Southeast Asia Division (SEA), and the 25th Annual Scientific Meeting, South East Asian Association for Dental Education (SEAADE), 11th 14th August 2014, Kuching, Sarawak, Malaysia.
- 19. Chemical analysis of recent types of Calcium Silicate-Based Cements (Oral Presentation). The British Society for Oral and Dental Research (BSODR), the British division of the International Association for Dental Research (IADR), 9th 11th September 2013, Bath, UK.
- 20. Concentration of trace elements in Portland-type cements (Oral Presentation). The 88th International Association for Dental Research Congress (IADR), 14th 17th July 2010, Barcelona, Spain.



- 21. Long term solubility of Portland-type cements with and without serum contamination (Poster and Oral Presentation). The European Society of Endodontology (ESE), 24th 26th September 2009, Edinburgh, UK.
- 22. Long term pH of Portland-type cements after serum contamination (Oral Presentation). The Pan European Federation (PEF) of the International Association for Dental Research (IADR), 10th 12th September 2008, London, UK.
- 23. Serum contamination affects the surface hardness of Portland-type cements (Poster and Oral Presentation). British Endodontic Society (BES), Spring Scientific Meeting (SSM), 8th March 2008, London, UK.
- 24. Chemical analysis of MTA before and after hydration with water and a water/serum mixture (Poster and Oral Presentation). The European Society of Endodontology (ESE), 6th 8th September 2007, Istanbul, Turkey.
- 25. Curing behaviour of MTA after mixing with water and serum (Poster Presentation). The 85th International Association for Dental Research Congress (IADR), 21st 24th March 2007, New Orleans, Louisiana, USA.