

Curriculum Vitae



ZIAD SALAMEH, BDS, DESP, MSc, PhD

Professor & Consultant in
Prosthodontics

Director, Center of Excellence in 3D
Printing, Digitalization & Artificial
Intelligence

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Profile Summary

Dr. Salameh is a Professor and Consultant in Prosthodontics, Dental Educator and Digital Dentistry Specialist, with the ability to direct Clinical Facilities, Research Centers, PhD projects and innovative ideas. His scope of investigation embraces dental materials, digital prosthodontics and 3D printing. He directed 13 Doctorate projects for the last 5 years and published more than 80 papers in PUBMED peer reviewed journals, reflecting his scientific international collaboration with Universities and Academic institutions where he was affiliated (Lebanese University, University of Pittsburgh, Siena University, Zurich University, ACTA, Hong Kong University, King Saud University...). As an innovator in dental education Dr. Salameh created the digital dentistry unit and integrated digital technology in the undergraduate and postgraduate levels with a continuous emphasis in updating the dental curricula to be aligned with the international standards while working on the accreditation process and new teaching methods.

Dr. Salameh proficiency in clinical prosthodontics integrating latest technologies in esthetic rehabilitation including face scanning, smile design, 3D printing from laminate veneers to full mouth rehabilitation on natural teeth and dental implant.

Personal Data

Full Name: Ziad Salameh

Date of Birth: September 5, 1966 (Beirut)

Citizenship: Lebanese

Languages: English, French, Arabic, Italian
(fluent read, written, spoken)

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Education

POST-GRADUATE STUDIES:

+ PhD “Dental Materials and their Clinical Applications” (2008)

Doctoral School of Biotechnologies, Department of Odontostomatological Sciences, Faculty of Dental Medicine, University of Siena, Italy.

Mentor: Prof. Marco Ferrari

Thesis: “*Mechanical behavior of endodontically treated teeth restored with fiber posts and full coverage restorations*”

+ Research Master “Dental Materials and their Clinical Application” (2004)

Doctoral School of Biotechnologies, Department of Odontostomatological Sciences, University of Siena, Italy.

Mentor: Prof. Marco Ferrari

Paper: “*Adhesion between prefabricated fiber-reinforced posts and different composite resin cores: A microtensile bond strength evaluation*”

+ Post-Graduate Studies in Prosthodontics (1996)

Diplôme d’Études Supérieures en Prothese Fixee (MSc Prosthodontics)

Faculty of Dental Medicine, Saint-Joseph University

Beirut, Lebanon

GRADUATE STUDIES:

+ Docteur en Chirurgie Dentaire (BDS), (1991)

Faculty of Dental Medicine, Saint-Joseph University

Beirut, Lebanon

Academic Appointments

- ✦ Director, Center of Excellence in 3D Printing, Digitalization and Artificial Intelligence, (2021 – present)
- ✦ Director, Research Center, Faculty of Dental Medicine, Lebanese University, (2019- present)
- ✦ Head, Digital Dentistry Unit, Faculty of Dental Medicine, Lebanese University, (2016 – present)
- ✦ Professor, Chairperson, Department of Research, Faculty of Dental Medicine, Lebanese University, (2015- 2018)
- ✦ Professor and Consultant in Prosthodontics, Faculty of Dental Medicine, Lebanese University, (2015- present)
- ✦ Visiting Professor, School of Dental Medicine, Siena University, Italy, (2016 - present)
- ✦ Associate Professor, Department of Prosthodontics, Faculty of Dental Medicine, Lebanese University, (2013- 2015)
- ✦ Associate Professor, Chairperson, Department of Research, Faculty of Dental Medicine, Lebanese University, (2013- 2015)
- ✦ Adjunct Professor, Center for Craniofacial Regeneration, School of Dentistry, University of Pittsburgh, USA (2008 – 2014)
- ✦ Assistant Professor, Department of Prosthodontics, Faculty of Dental Medicine, Lebanese University, (2007- 2012)
- ✦ Assistant Professor, Department of Prosthetic Dental Sciences, School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2008- 2010)
- ✦ Assistant Professor / Researcher, Eng.A.B Research Chair for Growth Factors and Bone Regeneration, School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2008- 2011)

- ✚ Lecturer / Researcher, Department of Dental Materials, ACTA, Netherlands, (2007 – 2008)
- ✚ Lecturer / Specialist, Department of Prosthetic Dental Sciences, School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2001- 2007)
- ✚ Clinical Assistant, Department of Prosthodontics, Faculty of Dental Medicine, Saint-Joseph University (1996-1999)

Teaching Experience

Lecturer in pre and post-doctoral curricula:

- Implant dentistry
- Clinical prosthodontics
- Research methodology
- Critical reading
- Biomaterials and their clinical applications
- Restoration of endodontically treated teeth
- Fixed and removable prosthodontics
- Dental implant prosthodontics
- Adhesive dentistry
- Digital dentistry
- Digital smile design and treatment plan strategies
- Literature review
- Grant writing
- Laboratory testing methods

- ✚ Course director in pre-clinical and clinical fixed prosthodontics, undergraduate curriculum
- ✚ Course director in clinical fixed prosthodontics & temporomandibular disorders, post-graduate curriculum (prosthodontics program)
- ✚ Course director, Dental Laboratory Technology Program (DLTP)
- ✚ Support lecturer and laboratory instructor

Management, Development and Leading Positions

✚ Research implementation at the Faculty of Dental Medicine:

In 2014, Prof. Salameh was appointed as the head of the research department, and in cooperation with the Dean he relaunches the doctorate program at the Faculty, providing international co direction for Research projects in different specialties leading to 38 doctorates defended in 5 years (13 directed by Prof. Salameh) with around 220 publications in PUBMED indexed journals. The implemented strategic goals of the Research Council are to promote research as integral part of education at both undergrad and postgrad levels, to provide foster environment with cutting edge facilities to perform innovative research leading to intellectual commercialization; enhance international collaboration and knowledge transfer with renowned universities and institutions. In 2021, “The Center of Excellence in 3D Printing, Digitalization and Artificial Intelligence” was created to lead the research projects into a higher level aligned with latest technology development and its impact in clinical dentistry.

✚ Digital Dentistry Unit:

In 2015, Prof. Salameh created the Digital Dentistry Unit at the Faculty of Dental Medicine, with an implementation of the new digital curriculum in both undergraduate and postgraduate levels. Latest equipment and software related to digital dentistry (Intraoral scanners, milling machines, 3D printers, software..) were purchased and a full training for all faculty members, students was conducted in order to integrate technology in clinical training and patient treatment.

✚ Curriculum Update and Accreditation Procedure

Prof. Salameh was involved in the dental undergraduate and master curriculum update and mainly in preparing the data and files that were submitted to the HCERES (French organization for accreditation) for accreditation application.

Professional Experience

Beirut Dental Specialists Clinic, Beirut (2012 – present)

Consultant in Prosthodontics; practicing conventional, digital and implant prosthodontics, in the multi specialized centers in Beirut - Beirut Dental Specialists Clinic (www.bdsclinics.com), that is renown dental clinic using the cutting- edge technology and expertise in treating patients with complex cases.

Silwadi Dental Center, Abu Dhabi (2014 – present)

Specialist Prosthodontist; working on latest digital dentistry technology using chairside CAD/CAM technology, implant planning, restoring full mouth rehabilitation on teeth and dental implants.

SkinExperts Clinic, Dubai (2021- present)

Specialist Prosthodontist; restoring simple to complex clinical cases on teeth and dental implants; as well esthetic rehabilitation using laminate veneers following full digital workflow.

Dentofaces Cosmetic Clinic, Dubai (2021 – present)

Specialist Prosthodontist; Integrating digital dentistry and latest technology in different aspects of clinical prosthodontics from planning, smile design, guided surgery and 3D printing. Restoration of complex cases restored with dental implants.

Key Opinion Leader

Prof. Salameh is a Key Opinion leader for several international dental companies as: Ivoclar Vivadent, Planmeca, Dentsply, BISCO, SmileFy, RAY, ...involved in independent testing of new products and scientific consultation.

Publications

83 publications in PUBMED

- ✚ Khouri C, Aoun G, Khouri C, Saade M, **Salameh Z**, Berberi A. Evaluation of Third Molar Impaction Distribution and Patterns in a Sample of Lebanese Population. *J Maxillofac Oral Surg.* 2022 Jun;21(2):599-607. doi: 10.1007/s12663-020-01415-x. Epub 2020 Jul 16. PMID: 35712428; PMCID: PMC9192906.
- ✚ Houmani M, Nader N, **Salameh Z**, Berberi A. *Alveolar Ridge Preservation in the Esthetic Maxillary Zone: Tuberosity Punch Technique of Gingiva and Bone: A Pilot Study.* *J Contemp Dent Pract.* 2021 Mar 1;22(3):290-297. PMID: 34210931.
- ✚ Baghdadi I, AbuTarboush BJ, Zaazou A, Skienhe H, Özcan M, Zakhour M, **Salameh Z**. *Investigation of the structure and compressive strength of a bioceramic root canal sealer reinforced with nanomaterials.* *J Appl Biomater Funct Mater.* 2021 Jan-Dec;19:22808000211014747. doi: 10.1177/22808000211014747. PMID: 34283662.
- ✚ Corbani K, Hardan L, Eid R, Skienhe H, Alharbi N, Ozcan M, **Salameh Z**. *Fracture Resistance of Three-unit Fixed Dental Prostheses Fabricated with Milled and 3D Printed Composite-based Materials.* *J Contemp Dent Pract.* 2021 Sep 1;22(9):985-990. PMID: 35000940.
- ✚ Choubaya C, Chahine N, Aoun G, Anil S, Zalloua P, **Salameh Z**. *Expression of Inflammatory Mediators in Periodontitis Over Established Diabetes: an Experimental Study in Rats.* *Med Arch.* 2021 Dec;75(6):436-443. doi: 10.5455/medarh.2021.75.436-443. PMID: 35169371; PMCID: PMC8802681.
- ✚ Eid R, Tribst JPM, Juloski J, Özcan M, **Salameh Z**. *Effect of material types on the fracture resistance of maxillary central incisors restored with CAD/CAM post and cores.* *Int J Comput Dent.* 2021 Feb 26;24(1):41-51. PMID: 34006062.

- ✚ Baghdadadi I, AbuTarboush B, Zaazou A, Skienhe H, Özcan M, Zakhour M, **Salameh Z**. *Effect of sintering temperature on the physiochemical properties, microstructure, and compressive strength of a bioceramic root canal sealer reinforced with multi-walled carbon nanotubes and titanium carbide*. J Mech Behav Biomed Mater. 2021 Jul;119:104524. doi: 10.1016/j.jmbbm.2021.104524. Epub 2021 Apr 20. PMID: 33895663.
- ✚ Masri G, Mortada R, Hatoum K, Al Harbi N, Boulos P, **Salameh Z**. *Evaluation of the Adaptation of Complete Dentures Fabricated Using Intraoral Scanning and Conventional Techniques*. J Contemp Dent Pract. 2020 Dec 1;21(12):1384-1388. PMID: 33893263.
- ✚ Ghoul WE, **Salameh Z**. *Marginal and Internal Adaptation of Lithium Disilicate Endocrowns Fabricated By Heat-Pressable and Subtractive Techniques*. J Prosthodont. 2020 Oct 10. doi: 10.1111/jopr.13272. Epub ahead of print. PMID: 33038279.
- ✚ Ghoul WE, Özcan M, Tribst JPM, **Salameh Z**. *Fracture resistance, failure mode and stress concentration in a modified endocrown design*. Biomater Investig Dent. 2020 Aug 7;7(1):110-119. doi: 10.1080/26415275.2020.1801348. PMID: 32939455; PMCID: PMC7470158.
- ✚ Bou Assi S, Macari A, Hanna A, Tarabay R, **Salameh Z**. *Cephalometric Evaluation of Maxillary Incisors Inclination, Facial, and Growth Axes in Different Vertical and Sagittal Patterns: An Original Study*. J Int Soc Prev Community Dent. 2020 Jun 15;10(3):292-299. doi: 10.4103/jispcd
- ✚ Corbani K, Hardan L, Skienhe H, Özcan M, Alharbi N, **Salameh Z**. *Effect of material thickness on the fracture resistance and failure pattern of 3D-printed composite crowns*. Int J Comput Dent. 2020;23(3):225-233. PMID: 32789310
- ✚ Baghdadadi I, Zaazou A, Tarboush BA, Zakhour M, Özcan M, **Salameh Z**. *Physiochemical properties of a bioceramic-based root canal sealer reinforced with multi-walled carbon nanotubes, titanium carbide and boron nitride biomaterials*. J Mech Behav Biomed Mater. 2020 Oct;110:103892. Doi:10.1016/j.jmbbm.2020.103892. Epub 2020 Jun 5. PMID: 32778529.
- ✚ Masri G, Mortada R, Ounsi H, Alharbi N, Boulos P, **Salameh Z**. *Adaptation of Complete Denture Base Fabricated by Conventional, Milling, and 3-D Printing Techniques: An In Vitro Study*. J Contemp Dent Pract. 2020 Apr 1;21(4):367-371. PMID: 32584270.

- ✚ Saade J, Skienhe H, Ounsi HF, Matinlinna JP, **Salameh Z**. *Evaluation of The Effect Of Different Surface Treatments, Aging And Enzymatic Degradation On Zirconia-Resin Micro-Shear Bond Strength*. Clin Cosmet Investig Dent. 2020 Jan 6;12:1-8. doi: 10.2147/CCIDE.S219705.
- ✚ Eid R, Azzam K, Skienhe H, Ounsi H, Ferrari M, **Salameh Z**. *Influence of Adaptation and Adhesion on the Retention of Computer-aided Design/Computer- aided Manufacturing Glass Fiber Posts to Root Canal*. J Contemp Dent Pract. 2019 Sep 1;20(9):1003-1008.
- ✚ Choubaya C, Chahine R, Zalloua P, **Salameh Z**. *Periodontitis and diabetes interrelationships in rats: biochemical and histopathological variables*. J Diabetes Metab Disord 2019 May 16;18(1):163-172
- ✚ Naffah N, Ounsi H, Ozcan M, Bassal H, **Salameh Z**. *Evaluation of the Adaptation and Fracture Resistance of Three CAD-CAM Resin Ceramics: An In vitro Study*. J Contemp Dent Pract. 2019 May 1;20(5):571-576.
- ✚ Eid RY, Koken S, Baba NZ, Ounsi H, Ferrari M, **Salameh Z**. *Effect of Fabrication Technique and Thermal Cycling on the Bond Strength of CAD/CAM Milled Custom Fit Anatomical Post and Cores: An In Vitro Study*. J Prosthodont. 2019 Oct;28(8):898-905
- ✚ Saade J, Skienhe H, Ounsi H, Matinlinna JP, **Salameh Z**. *Effect of different combinations of surface treatment on adhesion of resin composite to zirconia*. Clin Cosmet Investig Dent. 2019 May 28;11:119-129.
- ✚ Eid R, Juloski J, Ounsi H, Silwaidi M, Ferrari M, **Salameh Z**. *Fracture Resistance and Failure Pattern of Endodontically Treated Teeth Restored with Computer-aided Design/ Computer-aided Manufacturing Post and Cores: A Pilot Study*. J Contemp Dent Pract. 2019 Jan 1;20(1):56-63.
- ✚ El Ghouli WA, Özcan M, Ounsi H, Tohme H, **Salameh Z**. *Effect of different CAD-CAM materials on the marginal and internal adaptation of endocrown restorations: An in vitro study*. J Prosthet Dent. 2019 Apr 23. pii: S0022-3913(18)31097-7.
- ✚ Moustapha G, Azzam K, AlShwaimi E, Silwadi M, Ferrari M, **Salameh Z**. *Evaluation of the fit of zirconia three-unit fixed partial dentures fabricated by different impression techniques*. J Investig Clin Dent. 2019 Apr 18:e12413.

- ✚ Moustapha G, AlShwaimi E, Silwadi M, Ounsi H, Ferrari M, **Salameh Z**. *Marginal and internal fit of CAD/CAM fiber post and cores. Int J Comput Dent. 2019;22(1):45-53.*
- ✚ Tohme H, Makzoume J, Boulos P, Fakhoury J, Yared C, **Salameh Z**, Daou M. *Effect of Cyclic Dislodging on the Retention of Two Attachment Systems for Implant-supported Overdentures: An In Vitro Study. J Contemp Dent Pract. 2018 Nov 1;19(11):1386-1392.*
- ✚ Daou EE, Özcan M, Salameh P, Al-Haj Husain N, **Salameh Z**. *Comparison of Adhesion of a Novel Pre-sintered Cobalt-Chromium to Pre-sintered Zirconia and Cast Nickel-Chromium. J Contemp Dent Pract. 2018 Jul 1;19(7):816-823.*
- ✚ Skienhe H, Habchi R, Ounsi H, Ferrari M, **Salameh Z**. *Evaluation of the Effect of Different Types of Abrasive Surface Treatment before and after Zirconia Sintering on Its Structural Composition and Bond Strength with Resin Cement. Biomed Res Int. 2018 May 27;2018:1803425.*
- ✚ Daou EE, Ounsi H, Özcan M, Al-Haj Husain N, **Salameh Z**. *Marginal and internal fit of pre-sintered Co-Cr and zirconia 3-unit fixed dental prostheses as measured using microcomputed tomography. J Prosthet Dent. 2018 Sep;120(3):409-414.*
- ✚ Skienhe H, Habchi R, Ounsi HF, Ferrari M, **Salameh Z**. *Structural and Morphological Evaluation of Presintered Zirconia following Different Surface Treatments. J Contemp Dent Pract. 2018 Feb 1;19(2):156-165.*
- ✚ Ounsi HF, Nassif W, Grandini S, **Salameh Z**, Neelakantan P, Anil S. *Evolution of Nickel-titanium Alloys in Endodontics. J Contemp Dent Pract. 2017 Nov 1;18(11):1090-1096.*
- ✚ Raj AT, Patil S, Sarode S, **Salameh Z**. *P-Hacking: A Wake-Up Call for the Scientific Community. Sci Eng Ethics. 2018 Dec;24(6):1813-1814.*
- ✚ Ayoub F, Jassar H, El Hussein H, **Salameh Z**. *Choice of Endodontic Fiber Posts and its Influence on Dental Malpractice: An in vitro Evaluation. J Contemp Dent Pract. 2017 Jun 1;18(6):452-457.*
- ✚ Diab HA, **Salameh Z**, Hamadeh GN, Younes G, Ayoub F. *Oral Health Status of Institutionalized Individuals with Intellectual Disabilities in Lebanon. J Oral Maxillofac Res. 2017 Mar 31;8(1):e4.*

- ✚ Tae Young A, Kang JH, Kang DJ, Venkatesan J, Chang HK, Bhatnagar I, Chang KY, Hwang JH, **Salameh Z**, Kim SK, Kim HT, Kim DG. *Interaction of stem cells with nano hydroxyapatite-fucoidan bionanocomposites for bone tissue regeneration. Int J Biol Macromol. 2016 Jul 9. pii: S0141-8130(16)30786-3.*
- ✚ Ayoub F , Jassar H , El Hussein H, Aoun N, Sayah F, **Salameh Z**. *Correlation of Oral, Genetic, and Radiological Parameters Involved in Human Identification in Forensic Dentistry. J Int Oral Health 2016;8(6):72-75.*
- ✚ Ayoub F , Jassar H , El Hussein H, **Salameh Z**. *The choice of endodontic fiber posts and its influence on dental malpractice: an in-vitro evaluation. Accepted for publication, J Contemp Dent Pract 2016*
- ✚ Ayoub F, Nehme E, Jad S, **Salameh Z**. *A Novel Approach for the Reimbursement of Permanent Partial Dental Disability Following Dental Injury. J Contemp Dent Pract. 2015 Jun 1;16(6):504-6.*
- ✚ Ayoub F, Aoun N, el Hussein H, Sayah F, **Salameh Z**. *Oral and cranio-facial clinical signs associated to genetic conditions in human identification. Part I: a review. J Int Oral Health; 2015 2015 May;7(5):81-6.*
- ✚ Almas K, **Salameh Z**, Kutkut A, AL Doubali A. *A Simplified Technique to Measure Plaque on the Intaglio Surfaces of Complete Dentures. J Int Acad Perio 2015 17/2: 1-7*
- ✚ Berberi A, Bouserhal L, Nader N, Assaf RB, Nassif NB, Bouserhal J, **Salameh Z**. *Evaluation of Three-Dimensional Volumetric Changes After Sinus Floor Augmentation with Mineralized Cortical Bone Allograft. J Maxillofac Oral Surg. 2015 Sep;14(3):624-9.*
- ✚ Berberi A, Samarani A, Nader N, Noujeim Z, Dagher M, Kanj W, Mearawi R, **Salameh Z**, Badran B. *Physicochemical characteristics of bone substitutes used in oral surgery in comparison to autogenous bone. Biomed Res Int. 2014;2014:320790*
- ✚ Berberi AN, Sabbagh JM, Abou`shelib MN, Noujeim ZF, **Salameh ZA**. *A 5-year comparison of marginal bone level following immediate loading of single-tooth implants placed in healed alveolar ridges and extraction sockets in the maxilla. Front Physiol. 2014 31;5:29.*

- ✚ Berberi AN, Noujeim ZN, Kanj WH, Mearawi RJ, **Salameh ZA**. *Immediate placement and loading of maxillary single-tooth implants: a 3-year prospective study of marginal bone level. J Contemp Dent Pract. 2014 Mar 1;15(2):202-8.*
- ✚ Riachi F, Naaman N, Tabarani C, Berberi A, **Salameh Z**. *Comparison of morbidity and complications of harvesting bone from the iliac crest and calvarium: a retrospective study. J Int Oral Health. 2014 Jun;6(3):32-5.*
- ✚ Berberi AN, Tehini GE, Noujeim ZF, Khairallah AA, Abousehlib MN, **Salameh ZA**. *Influence of Surgical and Prosthetic Techniques on Marginal Bone Loss around Titanium Implants. Part I: Immediate Loading in Fresh Extraction Sockets. J Prosthodont. 2014 Oct;23(7):521-7.*
- ✚ **Salameh Z**, Tehini G, Ziadeh N, Ragab HA, Berberi A, Aboushelib MN. *Influence of ceramic color and translucency on shade match of CAD/CAM porcelain veneers. Int J Esthet Dent. 2014 Spring;9(1):90-7.*
- ✚ Mirmohammadi H, Gerges E, **Salameh Z**, Wesselink PR. *Effect of post diameter and cement thickness on bond strength of fiber posts. Quintessence Int. 2013 Nov-Dec;44(10):801-10.*
- ✚ Riachi F, Naaman N, Tabarani C, Aboelsaad N, Aboushelib MN, Berberi A, **Salameh Z**. *Influence of material properties on rate of resorption of two bone graft materials after sinus lift using radiographic assessment. Int J Dent 2012;2012:737262.*
- ✚ Al-Amri M, Al-Madi E, Sadig WM, Ahmedani MS, **Salameh Z**. *Significance of primary factors influencing students' performance at the College of Dentistry, King Saud University, Saudi Arabia. J Pak Med Assoc. 2012 Aug;62(8):816-21.*
- ✚ Ounsi HF, Franciosi G, Al-Hezaimi K, **Salameh Z**, Tay FR, Ferrari M, Grandini S. *“Comparison of two techniques for assessing the shaping efficacy of repeatedly-used NiTi rotary instruments”. Journal of Endodontics, 2011;37:847- 850.*
- ✚ Javed F, Al-Hezaimi K, **Salameh Z**, Almas K, Romanos GE. *Proinflammatory cytokines in the crevicular fluid of patients with peri-implantitis. Cytokine. 2011 Jan;53(1):8-12*
- ✚ Haddad HJ, **Salameh Z**, Sadig W, Aboushelib M, Jakstat HA. *Allocation of color space for different age groups using three-dimensional shade guide systems. Eur J Esthet Dent. 2011 Spring;6(1):94-102*

- ✚ Sherfudhin H, Hobeich J, Carvalho CA, Aboushelib MN, Sadig W, **Salameh Z**. *Effect of different ferrule designs on the fracture resistance and failure pattern of endodontically treated teeth restored with fiber posts and all-ceramic crowns. J Appl Oral Sci. 2011 Jan-Feb;19(1):28-33.*
- ✚ Al-Hezaimi K, **Salameh Z**, Al-Fouzan K, Al Rejaie M, Tay FR. *Histomorphometric and micro-computed tomography analysis of pulpal response to three different pulp capping materials. J Endod. 2011 Apr;37(4):507-12*
- ✚ Al-Hezaimi K, Al-Tayar BA, Bajuaifer YS, **Salameh Z**, Al-Fouzan K, Tay FR. *A hybrid approach to direct pulp capping by using emdogain with a capping material. J Endod. 2011 May;37(5):667-72*
- ✚ Dai L, Liu Y, **Salameh Z**, Khan S, Mao J, Pashley DH, Tay FR. *Can Caries-Affected Dentin be Completely Remineralized by Guided Tissue Remineralization? Dent Hypotheses. 2011 Jan 1;2(2):74-82*
- ✚ Abualsaud H, Zandparsa R, Hirayama H, Sadig W, Aboushelib M, **Salameh Z**. *Color management of the cervical region using different framework materials. J Esthet Restor Dent. 2011 Dec;23(6):371-8*
- ✚ **Salameh Z**, Ounsi HF, Abou Shelib MN, Goracci C, Ferrari M. *“Effect of different onlay systems on fracture resistance and failure pattern of endodontically treated mandibular molars restored with and without glass fiber posts”*. *American Journal of Dentistry 2010;23:81-86.*
- ✚ Aboushelib MN, Feilzer AJ, Kleverlaan CJ, **Salameh Z**. *Partial-retainer design considerations for zirconia restorations. Quintessence Int. 2010 Jan;41(1):41-8.*
- ✚ Mirmohammadi H, Aboushelib MN, **Salameh Z**, Feilzer AJ, Kleverlaan CJ. *Innovations in bonding to zirconia based ceramics: Part III. Phosphate monomer resin cements. Dent Mater. 2010 Aug;26(8):786-92.*
- ✚ **Salameh Z**, Ounsi HF, Aboushelib MN, Al-Hamdan R, Sadig W, Ferrari M. *Effect of different onlay systems on fracture resistance and failure pattern of endodontically treated mandibular molars restored with and without glass fiber posts. Am J Dent. 2010 Apr;23(2):81-6.*
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- ✦ Aboushelib MN, **Salameh Z**. *Zirconia implant abutment fracture: clinical case reports and precautions for use. Int J Prosthodont. 2009 Nov-Dec;22(6):616-9.*
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- ✦ Ounsi HF, **Salameh Z**, Carvalho CA, Cantoro A, Grandini S, Ferrari M. “*Bond strength to fiber-reinforced posts: a comparison between conventional and wet-ethanol bonding systems*”. *Journal of Adhesive Dentistry 2009;11(5):375-380.*
- ✦ Ounsi HF, Debaybo D, **Salameh Z**, Chebaro A, Bassam H. “*Endodontic Considerations in Pediatric Dentistry: A Clinical Perspective*”. *International Dentistry SA 2009;11:40-50.*
- ✦ Aboushelib MN, Matinlinna J, Kukk E, Miromohamadi H, **Salameh Z**, Ounsi HF. “*Innovations in Bonding to Zirconia-Based Materials. Part II: Focusing on chemical interactions*”. *Dental Materials 2009;25(8):989-993.*
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- ✦ **Salameh Z**, Ounsi H, Ferrari M. “*Fracture resistance and failure patterns of endodontically treated mandibular molars with and without glass fiber post in combination with a zirconia-ceramic crown*”. *Journal of Dentistry 2008;36:513-519.*
- ✦ Salameh Z, Sorrentino R, **Ounsi HF**, Sadig W, Atiyeh F, Ferrari M. “*Effect of different full-coverage crown systems on fracture resistance and failure pattern of endodontically treated maxillary incisors restored with and without glass fiber posts*”. *Journal of Endodontics 2008;34:842-846.*
- ✦ Hobeiche J, **Salameh Z**, Tashkandi E, Almas K. *Arthroscopy vs. open-joint surgery for the management of internal derangement of the temporomandibular joint: a retrospective study comparing female subjects from two centers. J Contemp Dent Pract. 2008 Mar 1;9(3):48-55*
- ✦ Ounsi HF, Al-Shaalan T, **Salameh Z**, Grandini S, Ferrari M. “*Quantitative and qualitative elemental analysis of different nickel-titanium rotary instruments using energy dispersive spectroscopy*”. *Journal of Endodontics 2008;34:53-55.*

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- # **Salameh Z**, Ounsi HF, Aboushelib MN, Sadig W, Ferrari M. *Fracture resistance and failure patterns of endodontically treated mandibular molars with and without glass fiber post in combination with a zirconia-ceramic crown. J Dent.* 2008 Jul;36(7):513-9.
- # **Salameh Z**, Tashkandi E, Ounsi HF, Abou Shelib MN, Omar R, Ferrari M. “Fracture resistance and failure pattern of endodontically-treated maxillary premolars restored with fibre-reinforced and cast posts and cores”. *International Dentistry SA* 2008;10:12-18.
- # Aramouni P, Zebouni E, Tashkandi E, Dib S, **Salameh Z**, Almas K. *Fracture resistance and failure location of zirconium and metallic implant abutments. J Contemp Dent Pract.* 2008 Nov1;9(7):41-8
- # **Salameh Z**, Sorrentino S, Ounsi HF, Goracci C, Tashkandi E, Tay FR, Ferrari M. “Effect of Different All-Ceramic Crown Systems on Fracture Resistance and Failure Pattern of Endodontically Treated Maxillary Premolars Restored with and without Glass Fiber Posts”. *Journal of Endodontics*, 2007;33:848-851.
- # Sorrentino R, **Salameh Z**, Zarone F, Tay FR, Ferrari M. *Effect of post-retained composite restoration of MOD preparations on the fracture resistance of endodontically treated teeth. J Adhes Dent.* 2007 Feb;9(1):49-56.
- # Sorrentino R, **Salameh Z**, Apicella D, Auriemma T, Zarone F, Apicella A, Ferrari M. *Three-dimensional finite element analysis of stress and strain distributions in post-and-core treated maxillary central incisors. J Adhes Dent.* 2007 Dec;9(6):527-36.
- # Hobeich JB, **Salameh ZA**, Ismail E, Sadig WM, Hokayem NE, Almas K. *Arthroscopy versus arthrocentesis. A retrospective study of disc displacement management without reduction. Saudi Med J.* 2007 Oct;28(10):1541-4.
- # Tay FR, Hiraishi N, Schuster GS, Pashley DH, Loushine RJ, **Ounsi HF**, Grandini S, Yau JYY, Mazzoni A, Donnelly A, King NM. “Reduction in Antimicrobial Substantivity of MTAD Following Initial Sodium Hypochlorite Irrigation”. *Journal of Endodontics* 2006; 32: 970-975.
- # **Salameh Z**, Sorrentino S, Papachini F, Ounsi HF, Tashkandi E, Ferrari M. “Effect of Fiber Post and Resin Core Restorations on Fracture Resistance and Pattern of

Endodontically-Treated Lower Molars". Journal of Endodontics 2006; 32: 752-755.

- ✚ **Salameh Z**, Pappachini F, Ounsi HF, Goracci C, Tashkandi E, Ferrari M. "Adhesion between prefabricated fiber-reinforced posts and different composite resin cores: A microtensile bond strength evaluation". *Journal of Adhesive Dentistry* 2006; 8: 113-117.
- ✚ Hammad IA, Nassif NJ, **Salameh ZA**. *Full-mouth rehabilitation following treatment of temporomandibular disorders and teeth-related signs and symptoms. Cranio. 2005 Oct;23(4):289-96.*

RESEARCH INTERESTS:

- ✚ *Digital Dentistry: clinical application in daily practice*
- ✚ *Implant and digital dentistry*
- ✚ *3D Printing: evaluation of novel materials in printing crowns, bridge and models.*
- ✚ *Bonding to Zirconia*
- ✚ *Color matching in ceramics and composite resins*
- ✚ *Zirconia implants and abutments: biology and mechanics*
- ✚ *Regenerative Medicine, including stem cell therapy and biomaterials*
 - ✚ *scaffolding.*
 - ✚ *3D printing of plastic to be used as biodegradable scaffold for gene delivery and regeneration*

Invited posters, presentations, awards

POSTERS:

- ✚ “*Comparison of Two Techniques for Assessing the Shaping Efficacy of Repeatedly Used Nickel-Titanium Rotary Instruments*”
Ounsi HF, Franciosi G, Paragliola R, Al Hezaimi K, **Salameh Z**, Tay FR, Ferrari M, Grandini S. Biennial Congress of the European Society of Endodontology, Rome (Italy) 2011
- ✚ “*Comparison of Two Techniques for Assessing the Shaping Efficacy of Repeatedly Used Nickel-Titanium Rotary Instruments*”
Ounsi HF, Franciosi G, Paragliola R, Al Hezaimi K, **Salameh Z**, Tay FR, Ferrari M, Grandini S. Biennial Congress of the European Society of Endodontology, Rome (Italy) 2011
- ✚ “*Histomorphometric and Micro-CT Analysis of Pulpal Response to Geristore and Calcium Hydroxide*”
Ounsi HF, Al-Hezaimi K, **Salameh Z**. American Association of Endodontists Annual Seesion, San Antonio (USA) 2011
- ✚ “*Nanotechnology, genetics, and tissue engineering for customized low-cost zirconia implants*”
Aboushelib MN, **Salameh Z**, Ounsi HF, Feilzer AJ. AADR 37th Annual Meeting and Exhibition, Dallas (USA) 2008
- ✚ “*Bonding to fiber posts: Comparison between conventional and wet-ethanol bonding*”
Ounsi HF, **Salameh Z**, Carvalho CA, Cantoro A, Grandini S, Ferrari M. KuADR, Kuwait City (Kuwait)2007
- ✚ “*Effect of Different All-Ceramic Crown System on Fracture Resistance and Failure Pattern of Endodontically Treated Maxillary Premolars Restored with and without Glass Fiber Posts*”
Salameh Z, Sorrentino R, Ounsi HF, Goracci C, Teshkandi E, Tay FR, Ferrari M. SIDOC, Rome (Italy) 2007
- ✚ “*Evaluation of the Subfloor Seal Obtained by Glass Ionomer and Flowable Composite*”
Ounsi HF, **Salameh Z**, Al-Shaalan T, Al Hamdan R, Grandini S. SIDOC, Rome (Italy) 2007
- ✚ “*Effect of Fiber Post and Resin Core Restorations on Fracture Resistance and Pattern of Endodontically-Treated Molars*”
Salameh Z, Sorrentino R, Papacchini F, Ounsi HF, Teshkandi E, Goracci C, Ferrari M. 3rd triannual meeting of the European Federation of Conservative Dentistry, Rome (Italy) 2006

- ✚ “*A Novel Approach at Nickel Titanium Endodontic Rotary Instrument Dynamics*”
Ounsi HF, Grandini S, Al-Nazhan S, Naaman A, Pappachini F, **Salameh Z.** 3rd triannual meeting of the European Federation of Conservative Dentistry, Rome (Italy) 2006.
- ✚ “*Qualitative and Quantitative Surface Composition of ProTaper, Hero, and K3 Nickel-Titanium Rotary Instruments Using Energy Dispersive Spectroscopy*”
Chazine M, Ounsi HF, Grandini S, Al-Huzaimi K, Al-Shaalan T, **Salameh Z.** 3rd triannual meeting of the European Federation of Conservative Dentistry, Rome (Italy) 2006.
- ✚ “*Surface State of Protaper Instruments after Clinical Use: an SEM Evaluation*”
Ounsi HF, Saad Al-Nazhan, Antonio Cerutti, Alfred Naaman, Thakib Al-Shaalan, **Ziad Salameh.** Beirut International Dental Meeting, Beirut (Lebanon), September 2005.
- ✚ “*Qualitative and Quantitative Surface Scan of Protaper, Hero, and K3 Nickel-Titanium Rotary Instruments Using Energy Dispersive Spectroscopy*”
Ounsi HF, Khalid Al-Huzaimi, Gaby Haddad, Alfred Naaman, Thakib Al-Shaalan, **Ziad Salameh.** Beirut International Dental Meeting, Beirut (Lebanon), September 2005.
Received the Habib Rihan Award for Best Poster

Miscellaneous Information

DENTAL LICENSURES:

- 1991- Licence to practice: Dental Medicine (Lebanon)
- 2001- Licence to practice: specialist in prosthodontics (Saudi Arabia)
- 2010- Licence to practice: Prosthodontics as specialty (Lebanon)
- 2013- Licence to practice: Prosthodontics as specialty (UAE)

PROFESSIONAL ACTIVITIES:

- ✚ Beirut Dental Specialists Clinic, (part-time) practice limited to prosthodontics, 2012-present (Lebanon)
- ✚ King Saud University, School of Dentistry, intra-mural practice, prosthodontics clinics, 2002- 2007 (Saudi Arabia)
- ✚ King Saud University, School of Dentistry, intra-mural practice, specialized prosthodontics clinics, 2009- 2011 (Saudi Arabia)

PROFESSIONAL AFFILIATIONS (active status):

- ✚ Fellow, International College of Dentists
- ✚ Member, International Association of Dental Research (IADR)
- ✚ Member, Lebanese Dental Association
- ✚ Member, Saudi Dental Association
- ✚ Member, European Society of Restorative Dentistry
- ✚ Member, International Society for Digital Dentistry

PRESENT APPOINTMENTS:

- ✚ Scientific Advisory Board, International Journal of Oral and Dental Sciences
- ✚ Scientific Editorial Board, Journal of Contemporary Dental Practice
- ✚ Reviewer, Journal of Dentistry
- ✚ Reviewer, International Journal of Prosthodontics
- ✚ Reviewer, Journal of Applied Oral Sciences
- ✚ Reviewer, Journal of Endodontics
- ✚ Reviewer, The Open Dentistry Journal
- ✚ Reviewer, Journal of Adhesive Dentistry
- ✚ Editorial board, journal of the Lebanese Dental Association
- ✚ International Scientific Advisory Board, AEEDC – Dubai (2004- present)

FORMER APPOINTMENTS (CLINICAL, PROFESSIONAL, AND ACADEMIC):

- ✚ Director, Laboratories, School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2003- 2007)
- ✚ Quality Assurance member, , School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2003- 2007)
- ✚ Member, Research Funds raising committee, King Saud University, Riyadh, Saudi Arabia, (2003- 2007)
- ✚ Member, Continuous Education Committee, School of Dentistry, King Saud University, Riyadh, Saudi Arabia, (2004- 2006)

References

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