

## Professor. Youssef S. Al Jabbari

### QUALIFICATIONS:

BDS, MS, PhD, DABP, FACP  
Doctor of Philosophy (USA)  
Master of Sciences (USA)  
Diplomat of American Board of  
Prosthodontics (ACP)  
Certificate in Prosthodontics (USA)

### CONTACT

Department of Prosthetic Dental  
Sciences (SDS)  
College of Dentistry  
King Saud University  
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Saudi Arabia  
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### Professional Memberships:

American College of  
Prosthodontics  
Academy of Osseointegration  
International Association for  
Dental Research  
Saudi Dental Society

### Work Related Skills:

Computer literate including MS  
Office (Word, Excel, PowerPoint)  
Languages spoken: Arabic and  
English

Director, Dental Biomaterials Research and Development Chair  
Professor and Consultant, Department of Prosthetic Dental  
Sciences  
College of Dentistry, King Saud University, Riyadh, Saudi Arabia.

### EDUCATION

#### **2009-2013: American Board of Prosthodontics.**

Completed successfully Parts 1, 2, 3 & 4 of Board  
Examinations conducted by the American College of  
Prosthodontics and became a Diplomat of American  
Board of Prosthodontics on March, 2013 and a Fellow of  
American College of Prosthodontics on April, 2013.

#### **2001 – 2007: Doctoral of Philosophy (PhD).**

School of Dentistry and Engineering School (Mechanical  
Engineering Department), Marquette University,  
Milwaukee, WI, USA

Dissertation title: “Mechanical behavior and failure  
analysis of implant prosthetic retaining screws after long-  
term use *in-vivo*”. (Successfully published as Part I, II, III, IV “4  
parts” in 4 different papers on 2008 in Journal of Prosthetic Dentistry  
published by American college of prosthodontics).

#### **1998 – 2001: Master of Science in Prosthodontics.**

School of Dentistry, Marquette University, Milwaukee, WI,  
USA

Dissertation title: “The effect of two surface treatment on  
the bond strength of heat activated acrylic resin bonded to  
Ni-Cr-Be alloy”.

**1998 – 2001: Certificate of Clinical Specialty in Prosthodontics.**

School of Dentistry, Marquette University, Milwaukee, WI, USA

**1997 – 1998: Demonstrator in Prosthetic Dental Sciences Department.**

King Saud University College of Dentistry, Riyadh, Saudi Arabia

**1996 – 1997: General Practice Internship Program.**

King Saud University College of Dentistry, Riyadh, Saudi Arabia

**1989 – 1996: Bachelor of Dental Surgery.**

King Saud University College of Dentistry, Riyadh, Saudi Arabia

**Academic Appointments:**

**2016 - Present:** Professor and Consultant, Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh, Saudi Arabia

**2012 - 2016:** Associate Professor and Consultant, Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh, Saudi Arabia

**2012 - 2016:** Director, College of Dentistry Research Centre (CDRC).

**2011-present:** Director, Dental Biomaterials Research and Development Chair (DBRDC).

**2008 – 2016:** Chair of ethical committee at college of dentistry research center (CDRC).

**2008 – 2012:** Prosthetic dental sciences representative at college of dentistry research center (CDRC).

**2007 – 2012:** Assistant Professor, Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh, Saudi Arabia

**2003 – 2007:** Clinical Assistant Professor, Department of Restorative Dental Sciences, Marquette University, School of Dentistry, Milwaukee, USA

**2000 – 2003:** Teaching Assistant, Department of Restorative Dental Sciences, Marquette University, School of Dentistry, Milwaukee, USA

**1997 – 1998:** Demonstrator, Department of Prosthetic Dental Sciences, College of Dentistry, King Saud University, Riyadh, Saudi Arabia

### **Thesis Director and Examiner:**

- **Main advisor** of Dr. Ala Al-otaibi (BDS) for degree of Master of Dental Science and successfully submitted to the graduate school at King Saud University on May/2017.
- **Main advisor** of Dr. Sarah Al-Tawel (BDS) for degree of Master of Dental Science and successfully submitted to the graduate school at King Saud University on May/2011.
- **Main advisor** of Dr. Jesse Smith (DDS) for degree of Master of Dental Science and successfully submitted to the graduate school at Marquette University on May/2006.

- Thesis examiner and committee member of Dr. Dalal Al Zahrani for degree of Master of Dental Science on June/2010.
- Thesis examiner and committee member of Dr. Nawal Al Harbi for degree of Master of Dental Science on May/2012.
- Thesis examiner and committee member of Dr. Hanan Al Otaibi for degree of Master of Dental Science on June/2012.
- Chair of the committee of Doctorate Dissertation Proposal review for Dr. Sarah Al Nofiya of Doctorate of Dental Science on March/2020.

#### **Teaching and clinical experience:**

- **2000 – 2007:** Teaching, clinical instructing, and course directing of graduate and undergraduate prosthodontic courses at Marquette University, School of Dentistry.
- **2007 – Present:** Teaching, clinical instructing, and course directing of graduate and undergraduate prosthodontic courses at King Saud University, College of Dentistry.
- **2007 – Present (Full time):** Working as a Prosthodontist and Consultant limiting my practice to Esthetic dentistry, Fixed and Removable prosthodontics and Implant dentistry at College of Dentistry Hospital, King Saud University, Riyadh, Saudi Arabia.
- **2008 – 2020:** Working as a Prosthodontist and Consultant limiting my practice to Esthetic dentistry, Fixed and Removable prosthodontics and Implant dentistry at *CORAL* Dental Center, Riyadh, Saudi Arabia.
- **2020 – Present:** Working as a Prosthodontist and Consultant limiting my practice to Esthetic dentistry, Fixed and Removable prosthodontics and Implant dentistry at Dental Consultant Clinic Complex of *Dr. M.R.* Riyadh, Saudi Arabia.

- **2001 – 2007 (Full time):** Worked as a Prosthodontic Specialist limiting his clinical practice to prosthodontics and implant dentistry at Marquette University, School of Dentistry, Milwaukee, WI, USA.
- **2008 – 2012:** Prosthetic Dental Sciences Department Representative at College of Dentistry Research Center (CDRC).
- **2008 – 2016:** Head of the Ethical Research Committee at College of Dentistry Research Center (CDRC).
- **2011 – Present:** Director of Dental Biomaterials Research and Development Chair at King Saud University College of Dentistry.

### Publications:

- Electrochemical characterization of three types of Co-Cr based alloys manufactured by casting and selective laser melting according to ISO 10271. Al Jabbari YS, Karavoltzos S, Kokkinos C, Polychronis G, Economou A, Zinelis S. Dent Mater. 2022 Jul;38(7):1162-1172. doi: 10.1016/j.dental.2022.06.005. Epub 2022 Jun 9.
- Corrosion resistance of coupled sandblasted, large-grit, acid-etched (SLA) and anodized Ti implant surfaces in synthetic saliva. Al Otaibi A, Sherif EM, Al-Rifaiy MQ, Zinelis S, Al Jabbari YS. Clin Exp Dent Res. 2019 Jul 25;5(5):452-459.
- Compositional, microstructural and mechanical characterization of Ni-free orthodontic wires compares to their stainless steel (SS) counterparts. Daniela Brüngger, Theodoros Koutsoukis, Youssef S. Al Jabbari, Spiros Zinelis and Theodore Eliades. Materials (2019) Under review.
- Electrochemical characterization of novel Ag-based brazing alloys for dental applications. Ntasi A, Al Jabbari YS, Mueller WD, Eliades T, Zinelis S. Dent Mater. 2019 Aug;35(8):e163-e174.

- Microstructural, mechanical, ionic release and tarnish resistance characterization of porcelain fused to metal Co-Cr alloys manufactured via casting and three different CAD/CAM techniques. Al Jabbari YS, Barmpagadaki X, Psarris I, Zinelis S. *J Prosthodont Res.* 2019 Apr;63(2):150-156.
- How Hedstrom files fail during clinical use? A retrieval study based on SEM, optical microscopy and micro-XCT analysis. Zinelis S, Al Jabbari YS. *Biomed Tech (Berl).* 2019 Apr 24;64(2):225-231.
- Corrosion Resistance of Coupled SLA and Anodized Ti Implant Surfaces in Synthetic Saliva. Ala'a Al Otaibi, El-Sayed M. Sherif, Mohammed Q. Al-Rifaiy, Spiros Zinelis, Youssef S. Al Jabbari. *Clinical and Experimental Dental Research.* 2019 July;28:1-8.
- Galvanic coupling of steel and gold alloy lingual brackets with orthodontic wires: Is corrosion a concern? Polychronis G, Al Jabbari YS, Eliades T, Zinelis S. *Angle Orthod.* 2018 Jul;88(4):450-457.
- Multitechnique characterization of conventional and experimental Ag-based brazing alloys for orthodontic applications. Ntasi A, Al Jabbari YS, Silikas N, Eliades T, Zinelis S. *Dent Mater.* 2018 Mar;34(3):e25-e35.
- Failure analysis of eleven Gates Glidden drills that fractured intraorally during post space preparation. A retrieval analysis study. Al Jabbari YS, Fournelle R, Al Taweel SM, Zinelis S. *Biomed Tech (Berl).* 2018 Jul 26;63(4):407-412.
- Does long-term intraoral service affect the mechanical properties and elemental composition of multistranded wires of lingual fixed retainers? Zinelis S, Pandis N, Al Jabbari YS, Eliades G, Eliades T. *Eur J Orthod.* 2018 Apr 6;40(2):126-131.
- Fractographic Analysis of a Clinically Failed FPD After 10 Years in Service. Al Jabbari YS. *Int J Prosthodont.* 2016 Nov/Dec;29(6):581-583.
- The effect of simulating porcelain firing on the elemental composition, microstructure, and mechanical properties of electroformed gold restorations. Al Jabbari YS, Barmpagadaki X, Al

Taweel SM, Zinelis S. J Dent Sci. 2016 Sep;11(3):266-271.

- Corrosion Behavior of Two cp Titanium Dental Implants Connected by Cobalt Chromium Metal Superstructure in Artificial Saliva and the Influence of Immersion Time. Ala'a Al Otaibi, El-Sayed M. Sherif, Mohammed Q. Al-Rifaiy, Spiros Zinelis, Youssef S. Al Jabbari. International journal of electrochemical science. 2016 July; 11(7):5877-5890.
- The Effect of Artificial Aging on The Bond Strength of Heat-activated Acrylic Resin to Surface-treated Nickel-chromium-beryllium Alloy. Al Jabbari YS, Zinelis S, Al Taweel SM, Nagy WW. Open Dent J. 2016 Apr 30;10:124-30.
- Chemical and mechanical characteristics of contemporary thermoplastic orthodontic materials. Alexandropoulos A, Al Jabbari YS, Zinelis S, Eliades T. Aust Orthod J. 2015 Nov;31(2):165-70.
- Surface and cross-sectional characterization of titanium-nitride coated nickel-titanium endodontic files. Al Jabbari YS, Koutsoukis T, Al Hadlaq S, Berzins DW, Zinelis S. J Dent Sci. 2016 Mar;11(1):48-53.
- Failure analysis of ParaPost drills that fractured in service: a retrieval analysis study. Al Jabbari YS, Fournelle R, Al Qhatani M, Zinelis S. Biomed Tech (Berl). 2016 Oct 1;61(5):537-542.
- Selective Laser Melting Technique of Co-Cr Dental Alloys: A Review of Structure and Properties and Comparative Analysis with Other Available Techniques. Koutsoukis T, Zinelis S, Eliades G, Al-Wazzan K, Rifaiy MA, Al Jabbari YS. J Prosthodont. 2015 Jun;24(4):303-12.
- Mechanical properties of orthodontic wires derived by instrumented indentation testing (IIT) according to ISO 14577. Zinelis S, Al Jabbari YS, Gaintantzopoulou M, Eliades G, Eliades T. Prog Orthod. 2015;16:19.
- Metallurgical characterization of experimental Ag-based soldering alloys. Ntasi A, Al Jabbari YS,

Silikas N, Al Taweel SM, Zinelis S. Saudi Dent J. 2014 Oct;26(4):139-44.

- Metallurgical and electrochemical characterization of contemporary silver-based soldering alloys. Ntasi A, Al Jabbari Y, Mueller WD, Eliades G, Zinelis S. Angle Orthod. 2014 May;84(3):508-15.
- Physico-mechanical properties and prosthodontic applications of Co-Cr dental alloys: a review of the literature. Al Jabbari YS. J Adv Prosthodont. 2014 Apr;6(2):138-45.
- Metallurgical and interfacial characterization of PFM Co-Cr dental alloys fabricated via casting, milling or selective laser melting. Al Jabbari YS, Koutsoukis T, Bampagadaki X, Zinelis S. Dent Mater. 2014 Apr;30(4):e79-88.
- Effects of surface treatment and artificial aging on the shear bond strength of orthodontic brackets bonded to four different provisional restorations. Al Jabbari YS, Al Taweel SM, Al Rifaiy M, Alqahtani MQ, Koutsoukis T, Zinelis S. Angle Orthod. 2014 Jul;84(4):649-55.
- Effect of Nd:YAG laser parameters on the penetration depth of a representative Ni-Cr dental casting alloy. Al Jabbari YS, Koutsoukis T, Bampagadaki X, El-Danaf EA, Fournelle RA, Zinelis S. Lasers Med Sci. 2015 Feb;30(2):909-14.
- Al Jabbari YS, Al-Rasheed A, Smith JW, Iacopino AM. An indirect technique for assuring simplicity and marginal integrity of provisional restorations during full mouth rehabilitation. Saudi Dent J. 2013 Jan;25(1):39-42.
- Al Jabbari YS, Tsakiridis P, Eliades G, Al-Hadlaq SM, Zinelis S. Assessment of geometrical characteristics of dental endodontic micro-instruments utilizing X-ray micro computed tomography. J Appl Oral Sci. 2012 Nov-Dec;20(6):655-60.
- Al Jabbari YS, Fournelle RA, Zinelis S, Iacopino AM. Biotribological behavior of two retrieved implant abutment screws after long-term use in vivo. Int J Oral Maxillofac Implants. 2012 Nov-Dec;27(6):1474-80.



- Al Jabbari YS, Zinelis S, Eliades G. Effect of sandblasting conditions on alumina retention in representative dental alloys. *Dent Mater J.* 2012;31(2):249-55.
- Al Jabbari YS , Fehrman A , Barnes B, Zapf A , Zinelis S. and Berzins D. Titanium Nitride and Nitrogen Ion Implanted Coated Dental Materials: A review of Literatures. *Coatings*, 2012: 60;160-178.
- Al Jabbari YS, Zinelis S, El-Danaf E, Al-Wazzan KA, Eliades G. Shear bond strength and characterization of interfaces between electroformed gold substrates and porcelain. *Materials chemistry and physics*, 2012: 137;825-833
- Al Jabbari YS, Mparmpagadaki A, Zinelis S, Eliades G. Assessment of fatigue parameters of dental resin composites using dynamic fatigue testing. *Journal of Composite Materials*, 2013;47: 419-424.
- Al Jabbari YS. Frenectomy for improvement of a problematic conventional maxillary complete denture in an elderly patient: a case report. *J Adv Prosthodont.* 2011 Dec;3(4):236-9
- Al Jabbari YS, Fournelle R, Ziebert G, Toth J, Iacopino AM. Mechanical behavior and failure analysis of prosthetic retaining screws after long-term use in vivo. Part 1: Characterization of adhesive wear and structure of retaining screws. *J Prosthodont.* 2008 Apr;17(3):168-80.
- Al Jabbari YS, Fournelle R, Ziebert G, Toth J, Iacopino A. Mechanical behavior and failure analysis of prosthetic retaining screws after long-term use in vivo. Part 2: Metallurgical and microhardness analysis. *J Prosthodont.* 2008 Apr;17(3):181-91
- Al Jabbari YS, Fournelle R, Ziebert G, Toth J, Iacopino AM. Mechanical behavior and failure analysis of prosthetic retaining screws after long-term use in vivo. Part 3: Preload and tensile fracture load testing. *J Prosthodont.* 2008 Apr;17(3):192-200.
- Al Jabbari YS, Fournelle R, Ziebert G, Toth J, Iacopino AM. Mechanical behavior and failure analysis of prosthetic retaining screws after long-

term use in vivo. Part 4: Failure analysis of 10 fractured retaining screws retrieved from three patients. J Prosthodont. 2008 Apr;17(3):201-10.

- Al Jabbari Y, Nagy WW, Iacopino AM. Implant dentistry for geriatric patients: a review of the literature. Quintessence Int. 2003 Apr;34(4):281-5. Review.

### Book and Book Chapters:

- Al Jabbari YS. Applied Dental Materials. Book translation to Arabic language (500 pages). Printed by KSU publishing 2017. ISBN: 978-603-507-521-3.
- Al Jabbari YS. Zinelis S. The Effects of Surface Roughening Techniques on Surface and Electrochemical Properties of Ti Implants. Published as book chapter in book entitled "Dental Implantology and Biomaterial". Publisher InTech publishing company. Chapter 8, pages 153-168, 2016. DOI: 10.5772/62791.
- Zinelis S. Al Jabbari YS. Papadopoulus M. Eliades T. Eliades G. "Biomaterials properties of orthodontic miniscrew implants" . Chapter 5, published by Elsevier: 2014. ISBN: 978-0-7234-3649-2.
- Al Jabbari YS. Zinelis S. "Applications of current technologies on nondestructive of dental biomaterials". Published in an engineering book entitled "Nondestructive Testing". publisher InTech publishing company. Chapter 3, page 53-72, 2012.

### Scientific presentations and Abstracts:

Tens of research and case presentations, table clinics and published abstracts in national and international scientific meetings. Examples of published abstract:

**Y.S. Al Jabbari**, A.M. Iacopino, R. Fournelle, G. Ziebert, and J. Toth. Mechanical Behavior of Prosthetic Retaining Screws after Long-Term Use *In-vivo*. 2005 IADR/AADR/CADR Baltimore, Maryland. #2065

**Y.S. Al Jabbari**, W.W. Nagy, K.P. Sobczak, G.J. Ziebert, J.W. Walker. Effect of thermocycling on the Heat Activated Acrylic Resin/NCB Alloy Bond. 2002 IADR San Diego, California. #1608

**Y.S. Al Jabbari.** Clinical diagnosis and oral rehabilitation of severely worn dentition in a patient with secondary sjögren's syndrome: a clinical report. 67<sup>th</sup> MDA AGM/ FDI world dental international scientific convention & trade exhibition that will be held in Kuala Lumpur convention centre from 10<sup>th</sup> till 13<sup>th</sup> June 2010.

**Y.S. Al Jabbari,** R. Fournelle, A.M. Iacopino. Biotribological Behavior of Implant Abutment Screws after Long-term Use *In-vivo*. 2011 181 WOM, Conference on Wear of Materials. Philadelphia, USA, April 5-7, 2011. No. 1208

### **Honor, Awards and Distinguished achievements:**

\* June/2014: Third Place Award for Golden Feather Award competition provided by the Dean. The main objective of the award was to choose best quality of research projects based on: 1) Quality and publication in well-respected international journals and 2) Number of published papers in a single year.

\* July/2014: First Place Award. As a Director of DBMRC, I was awarded by Vice-Deanship of Research Chairs Grade (A) for Dental Biomaterials Research and Development Chair (DBMRC). First place among research chairs in the Dental School and Fourth place among research chairs of health sciences colleges.

\* March/2013 to present: As a distinguished achievement, on March 2013 and after passing board examinations and became Diplomat of American Board of Prosthodontics, I became the first faculty member in prosthetic dental sciences department to have and combine Doctorate of philosophy (PhD) degree and Diplomat of American Board of Prosthodontics certification.

\* April/2005: Third Place Award, Research Day, Dental Basic Sciences Competition, School of Dentistry, Marquette University, Milwaukee, WI, USA.

\* February/2001: First Place Award, Research Day, Dental Basic Sciences Competition, School of Dentistry, Marquette University, Milwaukee, WI, USA.

### **Scholarship and Research Grants:**

2001 – 2003: Graduate School Scholarship at Marquette University

2001 – 2003: Joyce Memorial Scholarship at Marquette University

2006: Nobel Biocare material research grants (US \$1500)

2007: Astra Tech Dental material research grants (US \$2200):

**Continuing education courses:**

Attended tens of courses and hundreds of credit hours covering various disciplines of advance prosthodontics (fixed & removable prosthodontics, implant dentistry, dental occlusion, TMD, and cosmetic dentistry)

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