



Walid A. Al-Zordk

Dr. PhD, MScD, BDS

PERSONAL DETAILS:

Date of Birth: July 1st, 1976
Nationality: Egyptian
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Egyptian Knowledge bank: https://ekb.conferences.ekb.eg/contacts?_action=profile
Google scholar: https://scholar.google.com/citations?view_op=list_works&hl=en&user=ld0HdxQAAAAJ
Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57190118079>
Publons: <https://publons.com/researcher/5039801/walid/>

EDUCATION AND QUAIFICATION:

- 2008-2014 **Faculty of Dentistry, Mansoura University, Mansoura, Egypt**
Ph.D., Fixed Prosthodontics
Thesis Title: "Clinical Outcome of Immediate Function Loaded versus Delayed Loaded Implant in Smoker and Nonsmoker Patients"
Supervisors: Prof. Dr. Ahmed Attia Abo-El-Naga,
Prof. Dr. Mohamed Abd El-Monem Tawfik
- 2002-2008 **Faculty of Dentistry, Mansoura University, Mansoura, Egypt**
M.Sc., Fixed Prosthodontics
Thesis Title: "Influence of Abutment Substrates on The Color of Two Ceramic Systems"

Supervisors: Prof. Dr. Ahmed Naguib, Prof. Dr. Mostapha El-Sherif,
Prof. Dr. Manal Abo-Madina

1994-2000 **Faculty of Dentistry, Mansoura University, Mansoura, Egypt**
B.Sc, Oral and Dental Medicine, Mansoura University, Egypt

ACADEMIC APPOINTMENTS:

- 2002-2008 *Clinical Demonstrator*
Fixed Prosthodontics Branch, Department of Conservative
Dentistry, Faculty of Dentistry, Mansoura University, Egypt
- 2008-2014 *Assist. Lecturer*
Fixed Prosthodontics Branch, Department of Conservative
Dentistry, Faculty of Dentistry, Mansoura University, Egypt
- 2014-2019 *Lecturer*
Department of Fixed Prosthodontics, Faculty of Dentistry,
Mansoura University, Egypt
- 2016-2017 *Lecturer*
Department of Fixed Prosthodontics, Faculty of Dentistry, Delta
University for Science and Technology, Egypt
- 2016-2017 *Lecturer*
Health Technical Institute, Mansoura, Ministry of Health and
Population, Egypt
- 2018-2019 *Lecturer*
Department of Fixed Prosthodontics, Faculty of Dentistry, Horus
University-Egypt, Egypt
- 2019-Present *Associate Professor*
Department of Fixed Prosthodontics, Faculty of Dentistry,
Mansoura University, Egypt
- 2019-Present *Associate Professor*
Department of Fixed Prosthodontics, Faculty of Dentistry, Horus
University-Egypt, Egypt
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RESEARCH AND PUBLICATIONS:

a. Research Areas:

The field of Fixed Prosthodontics particularly ceramic bonding, esthetic outcomes of ceramic restorations, dental implant and clinical performance of implant-supported fixed restorations.

b. Research Degree Supervision:

1. Influence of different shading techniques on the final color reproduction for bilayered zirconia based restoration: A laboratory study
2. In vitro final color assessment of two machinable ceramic veneer systems with various tooth preparation techniques
3. Assessment of surface topography and color difference of different ceramic systems after simulated gastric acid exposure: Laboratory study
4. Influence of different surface treatment on fracture load of three CAD-CAM prosthetic materials (an in vitro study)
5. Impact of marginal preparation design in the fracture resistance of endocrowns and glass fiber post-retained all-ceramic crowns
6. Impact of abutment types and angulations on the fracture resistance of implant supported all-ceramic crowns
7. Stress analysis and fracture resistance evaluation of different customized machinable implant abutments
8. Effect of modified coping design and veneering technique on fracture resistance of zirconia crown
9. Marginal accuracy of minimal and no-preparation of two different machinable ceramic laminate veneers
10. Influence of different coloring techniques on shade matching of zirconia restorations
11. Microtensile bond strength of zirconia ceramics with different surface treatment and adhesive cements
12. Implant-supported and tooth-supported compared to teeth-supported zirconia fixed restorations: Evaluation of biting force, patient satisfaction and fracture resistance
13. Clinical and laboratory evaluations of customized zirconia implant-supported ceramic crowns
14. Screw retained implant supported zirconia anterior fixed dental prosthesis with different abutment angulations: Evaluation of passive seating accuracy

15. Screw retained implant supported zirconia anterior fixed dental prosthesis with different abutment angulations: Evaluation of torque loss
16. Marginal and internal adaptation of monolithic ceramic restorations: Impact of pre-heating of different resin cement
17. Fracture resistance of monolithic ceramic restorations: Impact of pre-heating of different resin cement
18. Color stability of monolithic ceramic restorations: Impact of pre-heating of different resin cement

c. International Publications in Referred Journals:

1. Al-Thagafi R, **Al-Zordk W**, Saker S. Influence of surface conditioning protocol on reparability of CAD/CAM zirconia-reinforced lithium silicate ceramic. *Journal of Adhesive Dentistry* 2016; 18(2): 135-141. <https://doi.org/10.3290/j.jad.a35909>.
2. El-Hefni A, Sakrana A, **Al-Zordk W**. Assessment of surface topography and color difference of different ceramic systems after simulated gastric acid exposure: A laboratory study. *International Journal of Dental and Health Sciences* 2017; 4(4): 780-790.
3. Borzangy S, Saker S, **Al-Zordk W**. Effect of restoration technique on resistance to fracture of endodontically treated teeth with flared root canals. *Journal of Biomedical Research* 2018; 33 (2):131-138. <https://doi.org/10.7555/BR.32.20170099>.
4. Saker S, Ozcan M, **Al-Zordk W**. The impact of etching time and material on bond strength of eroded enamel surface to self-adhesive resin cement. *Dental Material Journal* 2019; 38 (6):921-927. <https://doi.org/10.4012/dmj.2018-126>.
5. Alamin A, Sakrana A, **Al-Zordk W**. Impact of marginal preparation design on the fracture resistance of endo-crown all-ceramic. *IOSR- Journal of Dental and Medical Science* 2019; 18(4): 11-17.
6. Heikal H, Sakrana A, **Al-Zordk W**. Microtensile bond strength of zirconia ceramics with different surface treatments. *IOSR-Journal of Dental and Medical Science* 2019; 18 (3): 80-85.
7. Alhawari M, **Al-Zordk W**, Abo-Madina M. Fracture resistance of endodontically treated teeth: Effect of CAD-CAM post-core and endocrown material. *IOSR-Journal of Dental and Medical Science* 2019; 18 (9): 65-68.
8. Aldafeeri H, **Al-Zordk W**, Ghazy M. Marginal accuracy of machinable monolithic zirconia laminate veneers. *IOSR-Journal of Dental and Medical Science* 2019; 18 (5): 67-74.
9. **Al-Zordk W**, Ghazy M, El-Anwar M. Stress analysis around reduced-diameter zirconia and titanium one-piece implants with and without microthreads in the

- neck: Experimental and finite element analysis. *International Journal of Oral Maxillofacial Implants* 2020;35 (2):305-312. <https://doi.org/10.11607/jomi.7419>.
10. Saker S, Ghazy M, Abu-Madina M, El-Falal A, **Al-Zordk W**. Ten-year clinical survival of anterior cantilever resin-bonded fixed dental prostheses: A retrospective study. *International Journal Prosthodontics* 2020; 33 (3): 292-296. <https://doi.org/10.11607/ijp.6242>.
 11. Sakrana A, **Al-Zordk W**, Shoukry H, Ozcan M. Bond strength durability of adhesive cements to translucent zirconia: Effect of surface conditioning. *The European Journal of Prosthodontics and Restorative Dentistry* 2020; 28 (4): 161-171. doi: https://doi.org/10.1922/EJPRD_2036Sakrana11.
 12. **Al-Zordk W**, Elmisery A, Ghazy M. Hybrid-abutment-restoration: effect of material type on torque maintenance and fracture resistance after thermal aging. *International Journal of Implant Dentistry* 2020; 24 (6):24. doi: <https://doi.org/10.1186/s40729-020-00220-y>.
 13. Saker S, **Al-Zordk W**, Ozcan M. Resistance to fracture of zirconia abutments with different angulations: Impact of implant platform diameter. *European Journal of Dentistry* 2020; 14 (4):517-524. doi: <https://doi.org/10.1055/s-0040-1709947>.
 14. **Al-Zordk W**, Saker S. Impact of sintering procedure and clinical adjustment on color stability and translucency of translucent zirconia. *The Journal of Prosthetic Dentistry* 2020; 124(6): 788.e1-e9. <https://doi.org/10.1016/j.prosdent.2020.05.024>.
 15. Fathy S, **Al-Zordk W**, Grawish M, Swain M. Flexural strength and translucency characterization of aesthetic monolithic zirconia and relevance to clinical indications: A systematic review. *Dental Materials* 2021; 37: 711-730. <https://doi.org/10.1016/j.dental.2021.01.022>.
 16. Harb O, **Al-Zordk W**, Özcan M, Sakrana A. Influence of hydrofluoric and nitric acid pre-treatment and type of adhesive cement on retention of zirconia crowns. *Materials* 2021, 14, 960. <https://doi.org/10.3390/ma14040960>.
 17. **Al-Zordk W**, Al-Dobaisi T, Ghazy M. Torque maintenance of screw-retained implant-supported anterior fixed dental prosthesis with different abutment angulations after aging. *International Journal of Oral Maxillofacial Implants*. 2021;36(4):723-729. <https://doi.org/10.11607/jomi.8647>.
 18. Sakrana A A, **Al-Zordk W**, El-Sebaey H, Elsherbini A, Özcan M. Does preheating resin cements affect fracture resistance of lithium disilicate and zirconia restorations? *Materials* 2021, 14, 5603. <https://doi.org/10.3390/ma14195603>
 19. **Al-Zordk W**, Saudi A, Abdelkader A, Taher M, Ghazy M. Fracture resistance and failure mode of mandibular molar restored by occlusal veneer: Effect of material type and dental bonding surface. *Materials* 2021, 14, 6476. <https://doi.org/10.3390/ma14216476>

20. Samy N, **Al-Zordk W**, Elsherbini A, Özcan M, Sakrana A A. Does resin cement type and cement preheating influence the marginal and internal fit of lithium disilicate single crowns? *Materials* 2022, 15, 424. <https://doi.org/10.3390/ma15020424>
21. Shokry M, **Al-Zordk W**, Ghazy M. Retention strength of monolithic zirconia crowns cemented with different primer-cement systems. *BMC Oral Health* 2022 22:187. <https://doi.org/10.1186/s12903-022-02223-0>
22. Hassouna M, **Al-Zordk W**, Aboshilib M, Ghazy M. Clinical and radiographic prospective study of customized one-piece titanium and one-piece fusion-sputtered zirconia implants: five-year mean follow-up. *BMC Oral Health*. 2022 Nov 24;22(1):531. <https://doi.org/10.1186/s12903-022-02600-9>
23. Kasem, A.T., Elsherbiny, A.A., Abo-Madina, M, João Paulo M. Tribst, **Walid Al-Zordk** . Biomechanical behavior of posterior metal-free cantilever fixed dental prostheses: effect of material and retainer design. *Clin Oral Invest* (2022). <https://doi.org/10.1007/s00784-022-04813-2>
24. Elkhishen EA, **Al-Zordk W**, Hassouna M, Elsherbini A, Sakrana AA. Effect of ceramic and resin cement type on color stability and translucency of ceramic laminate veneers for diastema closure: an in vitro study. *Sci Rep*. 2022 Dec 21;12(1):22082. doi: [10.1038/s41598-022-26581-5](https://doi.org/10.1038/s41598-022-26581-5)
25. Kasem AT, Elsherbiny AA, Abo-Madina M, Tribst JPM, **Al-Zordk W**. Effect of different designs of minimally invasive cantilever resin-bonded fixed dental prostheses replacing mandibular premolar: Long-term fracture load and 3D finite element analysis. *J Prosthodont*. 2022 Dec 10. doi: [10.1111/jopr.13626](https://doi.org/10.1111/jopr.13626)
26. Elsherbini M, Sakrana AA, Amin RA, Diao M, Özcan M, **Al-Zordk W**. A Micro-Computed Tomography Analysis of Internal and Marginal Fit of Fixed Partial Dentures: Effect of Preparation Finish Line Designs on Monolithic Zirconia and Heat-Pressed Zirconia Reinforced Lithium Disilicate. *J Prosthodont*. 2023 Jan 31. doi: [10.1111/jopr.13656](https://doi.org/10.1111/jopr.13656)

d. Local Publications in Referred Journals:

1. **Al-Zordk W**, Abo El-Naga A, Tawfik M. Clinical outcome of immediate function loaded versus delayed loaded dental implant in smoker and nonsmoker patients. *Mansoura Journal of Dentistry* 2014; 1(2):115-120.
2. Saker S, **Al-Zordk W**. Effect of preparation design on marginal integrity, internal adaptation and microleakage of CAD/CAM-generated laminate veneers. *Egyptian Dental Journal* 2016; 62(April): 1737-1745.
3. Sakrana A, **Al-Zordk W**. Surface integrity and color stability of various esthetic restorations: Effect of intrinsic acid attack. *Egyptian Dental Journal* 2016; 62(July): 3277-3287.
4. Mohammed F, **Al-Zordk W**, Ghazy M. Marginal accuracy of minimal and no-preparation of two different machinable ceramic laminate veneers. *Mansoura Dental Journal* 2017; 4(11): 55-58.
5. Shams El-Din A, **Al-Zordk W**, Ghazy M. In vitro final color assessment of two machinable ceramic veneer systems with various tooth preparation techniques. *Mansoura Dental Journal* 2017; 4(14): 75-79.
6. Abd Elfatah A, **Al-Zordk W**, Ghazy M. Influence of different shading techniques on the final color reproduction for bi-layered zirconia-based restorations: A laboratory study. *Mansoura Dental Journal* 2017; 4(14): 69-74.
7. Hassona M, **Al-Zordk W**, Ghazy M. Fracture strength of customized one-piece zirconia implant supported ceramic crowns after cyclic loading. *Mansoura Dental Journal* 2018; 5(16): 87-90.
8. **Al-Zordk W**, Awad S, Saker S. Peri-implant bone loss and esthetic outcome of single-tooth implant in patients with type 2 diabetes. *Egyptian Dental Journal* 2019; 65 (1).
9. **Al-Zordk W**. Effect of preparation design on fracture resistance and failure mode of root canal treated maxillary premolars restored with onlay restorations. *Egyptian Dental Journal* 2019; 65(1):
10. **Al-Zordk W**, Shoukry H, Sakrana A. Effect of surface pre-treatments on bonding performance of zirconia ceramic with resin cements. *Egyptian Dental Journal* 2019; 65 (2):
11. Saker S, Zahran D, **Al-Zordk W**. Impact of speed sintering on marginal discrepancy, internal fit and microleakage of monolithic zirconia crowns with different chamfer width. *Egyptian Dental Journal* 2019; 65 (2):

c. Other Publications:

1. **Al-Zordk W**. 'Fixed Prosthodontics' for Health Technical Institute, Ministry of Health and Population, 2019.

d. Journal Editing and Reviewing:

1. **Clinical, Cosmetic and Investigational Dentistry**, Dove Medical Press (NZ) Ltd, Open access to scientific and medical research, New Zealand.
2. **Mansoura Journal of Dentistry**, Faculty of Dentistry, Mansoura University, Egypt
3. **BMC Oral Health**, BioMed Central Ltd., Springer Nature Group.
4. **Dentistry: Advanced Research**, Gavin Puplichers, IL, USA.
5. **Scientific Reports**, Springer Nature Group.
6. **Materials (Basel)**, MDP, Basel, Switzerland.

TEACHING/SUPERVISING EXPERIENCE:

a. Current Undergraduate and Postgraduate Teaching:

2002-Present **Associate Professor, Faculty of Dentistry, Mansoura University, Egypt**

- Assisting with pre-clinical and clinical Fixed Prosthodontic programme development and student assessment
- Delivering teaching sessions
- Student assessment
- Delivering lectures on Fixed Prosthodontic for postgraduate students
- Supervising postgraduate dissertations
- A member of the discussion committee for Master Degree's theses

2019-Present **Associate Professor, Faculty of Dentistry, Hours University-Egypt, Egypt**

- Assisting with pre-clinical and clinical Fixed Prosthodontic programme development
- Delivering teaching sessions
- Student assessment

2020-2022 **Supervisor, CAD-CAM Unit, Faculty of Dentistry, Mansoura University, Egypt**

2021-2022 Course co-ordinator, Faculty of Dentistry, Mansoura University, Egypt
Clinical Fixed Prosthodontics 4rd year

b. Past Undergraduate and Postgraduate Teaching:

- 2002-2014 Teaching assistant, Faculty of Dentistry, Mansoura University, Egypt
- Assisting with pre-clinical and clinical Fixed Prosthodontic programme
 - Delivering practical teaching sessions on Fixed Prosthodontic course
- 2016-2017 Lecturer, Faculty of Dentistry, Delta University for Science and Technology, Egypt
- Assisting with pre-clinical and clinical Fixed Prosthodontic programme development
 - Delivering teaching sessions
 - Student assessment
- 2016-2018 Lecturer, Health Technical Institute, Ministry of Health and Population, Egypt
- Delivering teaching sessions
 - Student assessment
- 2020-2021 Course co-ordinator, Faculty of Dentistry, Mansoura University, Egypt
- Pre-clinical Fixed Prosthodontics 3rd year

SKILLS AND EXPERIANCES:

a. Technical Skills:

- 2007 Attendance and actively participated in the scientific meeting titled "Abutment and implant supported retained over denture" Mansoura, Egypt.
- 2010 Attendance, contribution and support of the 1st dental scientific meeting. Mansoura, Egypt.
- 2011 Noritake EX-3 porcelain advanced course. Cairo, Egypt.

- 2011 5-motions-system training, Bredent. Cairo, Egypt.
- 2014 Passed the study and tests for ICDL.
- 2015 Attendance and participation in 2nd scientific day under theme of "Recent advance in restorative dentistry".
- 2017 Esthetic meets efficiency: The CeraMotion System.

b. Training Courses:

- 2006 Time management and work pressure
- 2007 Effective communication skills
- 2007 Effective presentation
- 2008 Scientific research ethics
- 2008 Quality standards I the teaching process
- 2008 Behavior and profession
- 2009 Competing for research funds
- 2010 Financial and legal aspects in university environment
- 2010 International publishing of scientific researches
- 2014 Conference organization
- 2014 Credit hours' system
- 2014 Use of technology in teaching
- 2018 Introduction to research ethics, online training programme in research ethic evaluation, clinical trial center, The University of Hong Kong.

c. Personal Skills:

- * Excellent patient care skills learned through Clinical Practice and other hospital related employment.
- * Experienced at working to deadlines and following exact procedures.

- * Co-operative and migrates smoothly within teamwork.
- * An organized worker, able to prioritize and respect deadlines.
- * Good communication skills, both oral and written.
- * High ability of self-learning.

d. Other Experience:

- 2003-Present **Private Dental Clinic, Mansoura City, Dakhalia, Egypt**
Dentist at a private dental clinic supported with a private lab, Mansoura city, Dakhalia, Egypt. Practice Fixed Prosthodontics and Implant Dentistry as specialty.
- 2000-Present **Faculty of dentistry, Mansoura University, Egypt**
- Perform clinical assessment on patients, discuss treatment options and decided best suited treatment plan taking into account factors including time, cost, age and medical history of patient.
 - Developed excellent patient care skills
 - Fabrication of full-metal, metal-ceramic, all-ceramic restorations.
 - Practicing, performing and supervision for implant-supported restorations.

CONFRENCES AND PRESENTATIONS:

- | | | | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------|
| 1. | The 2 nd Mansoura International Dental Congress | Mansoura, Egypt | 30 th Nov-2 nd Dec 2016 |
| 2. | The CeraMotion System: Theoretical Aspects | Cairo, Egypt | Nov 2017 |
| 3. | The Scientific Meeting (Occlusal Diseases and Craniofacial Pain Management) of Fixed Prosthodontic Department, Faculty of Dentistry, Tanta University | Tanta, Egypt | 9th Feb 2018 |
| 4. | The 21th Alexandria International Dental Congress | Alexandria, Egypt | 6th - 9th Nov 2018 |

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|----|-------------------------------------------------------------------|-------------------|---------------------------------------------------|
| 5. | The 2 nd Fixed Prosthodontic Congress | Alexandria, Egypt | 26th - 27th
Apr2018 |
| 6. | 3 rd Mansoura International Dental Congress | Mansoura, Egypt | Oct 30 th -1 st
Nov 2019 |
| 7. | Speaker at 3 rd Mansoura International Dental Congress | Mansoura, Egypt | Oct 30 th -1 st
Nov 2019 |
| 8. | 1 st online conference, The British University-Egypt | Egypt | July 17 th -18 th
2020 |

REFERENCES:

1. Dr. Ahmed Naguib, Professor, Faculty of Oral and Dental Medicine, Cairo University, Egypt. Cell phone: (20) 1222260596.
2. Dr. Amal Sakrana, Professor, Faculty of dentistry, Mansoura University, Egypt. Email: a.sakrana@yahoo.com
3. Dr. Mohamed Ghazy, Professor, Faculty of dentistry, Mansoura University, Egypt. Email: mghazy@mans.edu.eg