

CURRICULUM VITAE

NAME (Gilan Youssef Altonbary, B.D.S, M.Sc., PhD)

Birth date April 9th, 1984

Gender: female

Marital status: married

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PRESENT TITLE AND AFFILIATION

- **Associate Professor of Prosthodontics (2021-Present)**

Department of Prosthodontics, Faculty of Dentistry,

Mansoura University, Egypt.

- **Year Director at of Mansoura Manchester
Dental Program MMDP (2024-till present)**

Primary Appointments

- Academic Year Director of Mansoura-Manchester Dental Program MMDP (2019-2023)
- Assistant professor (2016-2021)
Department of Prosthodontics, Mansoura University, Egypt.
- Assistant lecturer (2011-2016)
Department of Prosthodontics, Mansoura University, Egypt.
- Clinical instructor (2008-2011)
Department of Prosthodontics, Mansoura University, Egypt.

HOME ADDRESS

El Etreby Building ,11th floor

El Gomhouria St., Mansoura,

Egypt.

OFFICE ADDRESS

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IDENTIFICATION CARD

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Google scholar profile <https://scholar.google.com/citations?hl=en&user=Z1aMGFCAA>
[AAJ](#)

Clarivate: <https://www.webofscience.com/wos/author/record/N-3021-2018>

EDUCATION

- PhD degree of Prosthodontics (2016)

Mansoura University, Egypt –The Ohio State University, USA

- Research fellow/scholar, Division of Restorative and Prosthetic Dentistry, The Ohio State University, United states (20014-2015)

- Master's degree in Prosthodontics (2011)

Mansoura University, Egypt

- Bachelor of Dental Surgery (2006)

Mansoura University, Egypt

CREDENTIALS

Licensure

Active licensure to practice dentistry, Egypt

EXPERIENCE/SERVICE

- PhD in Prosthodontics (2012-2016)

Mansoura University, Department of Prosthodontics, Egypt-The Ohio State University, USA (joint mission2014/2015).

- Research scholar at The Ohio State University. College of Dentistry, Division of Restorative, Prosthetic and Primary Care Dentistry (January 2014-2015).

- Master's degree in Prosthodontics (2008-2011)

Mansoura University, Department of Prosthodontics, Egypt.

- Rotating Internship in all clinical departments for one year (2006-2007), Mansoura University, Egypt.

- Bachelor of Dental Surgery, (2001-2006)

Mansoura University Mansoura, Egypt.

class rank 4/280.

Teaching experience: Mansoura University, Egypt (2008-till present)

➤ Undergraduates:

Undergraduate courses Mansoura University, Egypt for:

3rd year dental students on technologies and lab work for removable dentures

4th year dental student clinical course for complete denture and advanced prosthodontics

5th year dental student clinical courses for removable partial denture, implant and maxillofacial Prosthodontics

➤ Postgraduate diploma, masters and PhD:(academic, pre-clinical, clinical prosthodontics courses, maxillofacial prosthodontics and implantology)

➤ Mansoura Manchester Dental Program (MMDP):

- EBL tutor (2017-2019). (**Enquiry-Based Learning** inspires students to learn, bringing a real research-orientated approach to the subject)
- Teaching prosthodontic courses for all program levels; pre-clinical and clinical courses for undergraduate international students of Mansoura Manchester Dental Program (MMDP) (2017-till present)

Teaching experience: The Ohio State University (OSU), United States (2014-2015)

- Bench instructor in **occlusion course** for 2nd year dental student (D2)
this course included Dynamics of mandibular movements, articulators design, occlusal schemes, anatomy of anterior teeth and their influence on posterior counterparts as well as on esthetics and phonetics, Temporomandibular disorders (TMD) biomechanics and guidance considerations for restoring patients with malocclusion.
- Bench instructor in **treatment plan course** for 2nd year dental students(D2)
- **CD course:** Laboratory work included assisting and working with students o

n mounting cast on articulators, fabrication of custom guide table and full contour waxing for teeth.

- Bench instructor in **RPD course** for 2nd year dental students(D2)
- Participated in grading practical exercise for students, midterm practical exam and final practical exam.

Undergraduate Students (Prosthodontics courses)

Postgraduate students (PhD, Masters and diploma students)

Committees and boards

- Member of the Ethical committee of Faculty of Dentistry, Mansoura University
- Dissertation committees for several master degree theses defenses.
- Member of Examination committees for post graduate exams of Prosthodontics, Faculty of Dentistry, Mansoura University, Egypt
- Member of Examining Committees for Prosthodontics exams for undergraduate levels, Mansoura University, Egypt.
- External examiner for undergraduate exams of Prosthodontics for several dental schools.
- Examining Committees for Mansoura Manchester Dental Program (MMDP).
- Social and public relation committee organizing the 4th removable prosthodontics department conference: from conventional to digital restorative dentistry 25-27 October 2017.
- Head of social and public relations committee organizing Mansoura International Dental Congress: Toward Better Esthetic & Restorative Dentistry 30 Nov-2 Dec 2016.
- Head of social committee organizing Mansoura International Dental Congress (MIDC): A Voyage in Dentistry 10-12 April 2013.

Contributed in editing:

- Guideline For Complete Denture Technology
Removable Prosthodontics Department, Faculty of Dentistry, Mansoura University.

Computer/Language Ability:

- ICDL (International computer driving language) certificate from UNISCO.
Excel Access, Word, PowerPoint, Dental Imaging, MD Anderson Electronic Medical Record, Pub Med and Ovid and endnote program.
- Toefl IBT

AWARDS:

- **The Neal Garrett Clinical Research award 2024** (The award recognizes clinically focused and patient centered original research) (IADR/AADOCR/CADR General Session & Exhibition.2024, New Orleans, United States)
- **Joint mission scholarship between Mansoura University, Egypt and The Ohio State University, USA (2014/2015)**
- Mansoura University Publication incentives for publishing in high ranked journals
Q1 journals of web of science 2019,
Q1 Scopus 2020,2021
Q1 Scopus 2022
Q1 web of science 2023

PROFESSIONAL MEMBERSHIPS/ACTIVITIES

- International Academy of Dental Research (IADR)
- Academy of osseointegration (AO)

- Nile Association of Oral Implantology (NAOI),

RESEARCH INTREST

Research areas of interest and publications include removable dentures, implants, overdentures, attachments, CAD/CAM, full mouth rehabilitations and maxillofacial prosthodontics

RESEARCH GRANTS

- Research grant by Graduate studies and Research sector and Cultural Relations, Mansoura University 2023/2024 under the name of **Ass.Prof/Gilan Altonbary**

Research project title: *Accuracy of 3-dimensional printed implant cast versus conventional stone cast for edentulous mandibular arch.*

INTERNATIONAL REVIEWER

- Reviewed many manuscripts for high ranked journals as: *Journal of oral investigations (Q1), BMC Oral Health(Q1), International Journal of Dentistry, Head & Face Medicine*
- Board reviewer: *International Journal of Clinical Oral and Maxillofacial Surgery*

PUBLICATIONS

- 1- Mourad KE, Rashed NHAH, **Altonbary GY**, Hegazy SAF. "Five years of radiographic evaluation for the peri-implant bone changes of All-on- four implant prostheses

- constructed from different framework materials using different digital construction techniques. *BMC Oral Health*. 2024 July 22. ahead of print.
- 2- Jasim AG, Abo Elezz MG, **Altonbary GY**, Elsyad MA. Accuracy of digital and conventional implant-level impression techniques for maxillary full-arch screw-retained prosthesis: A crossover randomized trial. *Clin Implant Dent Relat Res*. Published online May 10, 2024. doi:10.1111/cid.13336
 - 3- Ghazy ES, **Altonbary GY**, Gebreel A, El-Daker MA, Hegazy SA. Evaluation and comparison of retention and patient satisfaction with milled polyetheretherketone versus metal maxillary obturators. *J Prosthet Dent*. Published online October 12, 2023. doi: 10.1016/j.prosdent.2023.07.037.
 - 4- Mourad KE, **Altonbary GY**, Emera RMK, Hegazy SAF. Polyetheretherketone computer-aided design and computer-aided manufacturing framework for All-on-Four mandibular full-arch prosthesis: 3 Years' retrospective study of peri-implant soft tissue changes and ridge base relationship. *J Prosthodont*. 2022 Sep 7. doi: 10.1111/jopr.13602. Epub ahead of print. PMID: 36069047.
 - 5- Abdelaziz S.M, **Altonbary.G.Y** , El Mekawy N , Hegazy S.A. Impact of Locator Attachments with Different Retentive Insert Materials on Bite Force in Mandibular Implant Overdenture. *Egyptian Journal of Oral and Maxillofacial Surgery*, 2021;12(4), 245-254.
 - 6- **Altonbary GY**. Comparison of Posterior Residual Ridge Resorption in Patients Wearing Conventional Denture, Two Implant-retained Mandibular Overdenture and Four Implant-supported Overdenture: A 5-Year Retrospective Study *E.D.J.*2021 Vol. 67, No. 3.
 - 7- **Altonbary GY**, Emera RMK. Patient satisfaction and masticatory performance of zirconia bar compared to cobalt chromium bar retaining mandibular implant overdenture: A crossover study. *J Oral Rehabil*. 2021;48(7):827-835. doi:10.1111/joor.13164.

- 8- Elsyad MA, Alsabri MA, Elgamal M, **Al-Tonbary GY**. Resilient Stud Versus Bar Attachments for Immediately Loaded Implants Supporting Mandibular Overdentures: 1-year Randomized Controlled Clinical Trial. *Int J Oral Maxillofac Implants*. 2021 Mar-Apr;36(2):346-354.
- 9- Denewar MM, Abdelmawgood EI, Elsyad MA, **Al-Tonbary GY**. Retention and Stability Characteristics of Soft-Liner and Clip Attachments Used for Bar/Implant-Assisted Mandibular Overdentures: An In Vitro Study. *Int J Oral Maxillofac Implants*. 2021;36(6):1095–1103.
- 10- Kamal Emera RM, Elgamal M, **Altonbary G**. Retention force of all-zirconia, all-polyetheretherketone, and zirconia-polyetheretherketone telescopic attachments for implant-retained overdentures: In vitro comparative study. *J Dent Implant* 2020; 10:78-83.
- 11- Awad H N, **Altonbary G Y**, Emera R M K., Habib A.A. Rehabilitation of Labially Inclined Mandibular Ridge with Two Labially Inclined Implants Retaining Mandibular Over-Denture by Stern-Snap Angled Attachment: A Clinical Report. *Ijstrm.Human*, 2020; Vol. 16 (4): 1-13.
- 12- Mustafa S, **El-tonbary G**, El Mekawy N. 'Influence of various locator abutments height on peri-implant outcomes in mandibular implant overdentures', *International Journal of Current Advanced Research*,2019; 08(07):19552-19556.
- 13- Abdou Elsyad M, Elgamal M, Mohammed Askar O, **Youssef Al-Tonbary G**. Patient satisfaction and oral health-related quality of life (OHRQoL) of conventional denture, fixed prosthesis and milled bar overdenture for All on-4 implant rehabilitation. A crossover study. *Clin Oral Impl Res*. 2019; 30:1107–1117.
- 14- Emera RMK, **Altonbary GY**. Retention force of zirconia bar retained implant overdenture: Clinical comparative study between PEEK and plastic clips. *Int Dent Res* 2019;9(3):92-8.
- 15- Emera RM, **Altonbary GY**, Elbashir SA. Comparison between all zirconia, all PEEK, and zirconia-PEEK telescopic attachments for two implants retained mandibular

- complete overdentures: In vitro stress analysis study. J Dent Implant 2019; 9:24-9.
- 16- AbdElAziz AA, **Altonbary GY**, Elsyad MA, Maxillary dentures supported by four implants inserted according to the 'All-on-Four® Concept' and opposing mandibular implant supported dentures. (Clinical and radiographic evaluation). Mansoura Dental Journal
- 17- Elezaby MM, **Altonbary GY**, Elsyad MA. Oral Health-Related Quality of Life (OHRQoL) with maxillary and mandibular Dentures supported by implants inserted according to "ALL-ON-FOUR" concept (fixed versus milled bar concept). Mansoura Dental Journal 2019;6(24):77-83.
- 18- Elsyad MA, Hegazy SAF, Hammouda NI, **Al-Tonbary GY**, Habib AA. Chewing Efficiency and Electromyographic Activity of Masseter Muscle With Three Designs Of Implant-Supported Mandibular Overdentures. A Cross-Over Study. Clin. Oral Impl. Res. 00, 2013; 1–7.
- 19- **Al-Tonbary G**, El-Syad M, Al-Kenawy M, Habib A: Effect of Two Different Bar Designs for Mandibular Implant Overdenture: A Cross Over Study of Chewing Efficiency and Electromyographic Activity. Egyptian Dental Journal 2011oct; 57(4.3):3335-3344.

PUBLISHED ABSTRACTS, ORAL PRESENTATIONS AND POSTERS:

- **102nd 2024 General session & exhibition of the International Association of Dental Research IADR/AADR/CADR General Session (New Orleans, LA, USA).**
 - **Abstract Title** Biteforce and chewing efficiency of CAD/CAM PMMA versus PEEK implant-overdenture. ***(Award winner).***

- **6th Cairo International Dental Congress, Towards Digital Green Dentistry 24-27 January 2023, Cairo, EGYPT. (Speaker)**
- **Fourth Mansoura International Dental congress (MIDC4):**
 - Prosthetic Rehabilitation of Edentulous Patient. Egypt, 19-22 Nov 2022
(Speaker)
- **Africa Health Excon (IADR/EADR Africa and middle east region,5th -7th June 2022**
 - Abstract title: evaluation of CAD/CAM Framework of polyether ether ketone (PEEK) for all-on-4 mandibular full arch prosthesis. *(Poster)*
- **98th General session & exhibition of the International Association of Dental Research IADR/AADR/CADR General Session, March 2020 (Washington, D.C., USA).**
 - Abstract Title: Retention Force Evaluation for All-Zirconia, All-PEEK and Zirconia-PEEK Telescopic Attachments
- **96th General session & exhibition of the International Association of Dental Research (IADR/APR) London, United Kingdom July 2018**
 - Abstract Title: Stress Analysis Evaluation of Load Distribution for Implant-retained Overdenture Attachments
- **94th General session & exhibition of the International Association of Dental Research (IADR/APR) Seoul, South Korea 22-25 June 2016**
 - Abstract Title: Stress Analysis Evaluation of Load Distribution for Implant-retained Mandibular Overdentures.
- **The Third International Mansoura Dental Congress (MIDC 3): *Contemporary Dentistry: How Far Can We Go?* Egypt, 30 Oct-1 Dec 2019.**
 - Abstract Title: Are zirconia and PEEK successful alternatives to metals?
(speaker)
- **The First African Health summit: A Multidisciplinary All One Health Care Concept. Jan 29th -Feb 1st ,2019**

- Abstract Title: Innovations in Implant Assisted Overdenture. *(Speaker)*
- **The Second Mansoura International Dental congress (MIDC2): Toward Better Es
thetic & Restorative Dentistry. Egypt, 30 Nov-2Dec 2016.**
 - Abstract Title: Digitization and Implant Prosthodontics. *(Speaker)*
- **The 49th Annual Carl O. Boucher Prosthodontic Conference, Columbus, Ohio, USA,
April.2014**
 - Abstract Title: Evaluation of The Chewing Efficiency & EMG Activity for Differ
ent Implant-Supported Mandibular Overdentures. *(Speaker)*

MENTORED THESES:

1. Maxillary dentures supported by four implants inserted according to the 'All-on-Four® Concept' and opposing mandibular implant supported dentures. (Clinical and radiographic evaluation).
2. Heat cured acrylic resin versus PEEK denture base for immediately loaded two implant retained mandibular overdenture: A study of bite force, chewing efficiency and electromyographic activity.
3. Zircon-PEEK telescopic attachment with different taper angles for two implants retained mandibular overdenture: A study of retention force and chewing efficiency
4. Oral Health-Related Quality of Life (OHRQoL) with maxillary and mandibular Dentures supported by implants inserted according to "ALL-ON-FOUR "concept (Fixed versus Milled Bar Overdenture concept)
5. Comparison Between All Zirconia, All PEEK and Zirconia-Peek Telescopic Attachments for Two Implants Retained Mandibular Complete Overdentures. In-

Vitro Stress Analysis Study

6. Effect of blocking ring used during picking up the female housings of ball attachments used for retaining 4-implants mandibular complete overdenture: In vitro stress analysis study.
7. Influence of Various Locator Abutments Height on Peri-Implant Tissue Health Outcomes in Mandibular Implant Overdentures.
8. Clinical evaluation of two titanium-zirconium versus titanium implant fixture using locator attachment retained reinforced mandibular overdenture with early loading protocol.
9. Impact of locator attachments with different insert materials on bite force in mandibular implant overdenture
10. Accuracy of digital and conventional impression techniques for maxillary full arch screw retained hybrid prosthesis.
11. Evaluation of vertical bone height changes around mandibular bar retained polyether-ether-ketone (PEEK) overdenture using two different types of bar attachments.
12. Evaluation and comparison of retention and wear of nylon versus polyether ketone ketone (PEKK) inserts for locator attachments retaining mandibular implant overdenture: Clinical comparative study.
13. Heat cured acrylic resin versus PEEK denture base for immediately loaded two - implant retained mandibular over denture: A study of bite force, chewing efficiency and electromyographic activity.
14. Stress releasing mechanism of locator versus stern snap angled attachment used to retain mandibular implant overdenture: A study of implant tissue health.
15. Evaluation of polyetheretherketone (PEEK) framework inserted in multiunit

- abutments of All-on-4 concept for mandibular edentulous arch.
16. Polyether ketone ketone (PEKK) framework for mandibular implant-supported complete fixed dental prostheses with All-on-four treatment concept. Clinical and radiographic study.
 17. Metallic Framework with Hollow Bulb Extension from Poly Methyl Methacrylate (PMMA) versus Poly Ether Ether ketone (PEEK) Obturator for Prosthetic Reconstruction of unilateral Total Maxillectomy (with in patient study).
 18. Accuracy of 3-dimensional printed implant cast versus conventional stone cast for edentulous mandibular arch. A comparative study
 19. Complete digital workflow for construction of full arch implant supported screw retained restoration: occlusal accuracy of different techniques used to record maxillomandibular relationship (crossover study).
 20. Patient satisfaction and prosthetic complication of OT-bridge system versus multiunit abutment for mandibular all on-4 screw retained prostheses.
 21. OT-bridge system versus multiunit abutments for mandibular all on-4 screw retained prostheses: a crossover study of bite force and chewing efficiency.

TRAINING COURSES

1. Assessment methods and examination, question selection and standard settings (by the assessment lead of the University of Manchester, Division of Dentistry)
2. Anti-corruption and publicizing it
3. Exam systems and student assessment
4. The quality of performance in the scientific departments
5. Research team management

6. Statistical analysis skills
7. Concepts and nature of disability and the various means of facilitating the m, especially in education
8. professional behaviors
9. Organization of scientific conferences
10. Time and meeting management
11. Strategic Planning
12. Credit Hour System
13. Quality standards in the teaching process
14. Scientific Publishing
15. Communication skills in different types of education
16. Using technology in teaching
17. Research Ethics
18. Effective display
19. ICDL

CONTINUOUS EDUCATION (CE)

1. 102nd 2024 General session & exhibition of the International Association of Dental Research IADR/AADR/CADR General Session (New Orleans, LA, USA).
2. 6th Cairo International Dental Congress, Towards Digital Green Dentistry 24-27 January 2023, Cairo, EGYPT.
3. Fourth Mansoura International Dental congress (MIDC4): Prosthetic Rehabilitation of Edentulous Patient. Egypt, 19-22 Nov 2022.
4. Africa Health Excon (IADR/EADR Africa and middle east region, 5th -7th June 2022
5. 98th General session & exhibition of the International Association of Dental Research IADR/AADR/CADR General Session (Washington, D.C., USA) March 2020.

6. The First African Health summit: A Multidisciplinary All One Health Care Concept. Jan 29th -Feb 1st ,2019.
7. Third Mansoura International Dental congress (MIDC3): MIDC3(Contemporary Dentistry: How Far Can We Go?). Egypt, 30 Oct-1 Dec 2019.
8. 96th General session & exhibition of the International Association of Dental Research IADR/PER General Session (London, England) July 2018
9. Scientific writing: From Data Collection to Publishing course from 13th to 15th May 2018 (18 credit hours).
10. The 10th Dakhahlia Dental Syndicate's Congress (DKHC2018),28th030th November 2018.
11. The Joint Egyptian Japanese Scientific Cooperation: planning metal framework designs in maxillectomy patients. Egypt 27th Nov. 2017.
12. 4th removable Prosthodontic department conference: from conventional to digital dentistry 25-27 October 2017.
13. The Second Mansoura International Dental congress (MIDC2): Toward Better Esthetic & Restorative Dentistry. Egypt, 30 Nov-2Dec 2016.
14. 94th General session & exhibition of the International Association of Dental Research (IADR/APR) Seoul, South Korea 22-25 June 2016.
15. 2nd Egyptian Dental Syndicate International Congress Egypt 2nd-4th Sep.2015
16. 44th annual session of the American college of prosthodontists (ACP) New Orleans USA, 5-8 November 2014.
17. Implant in esthetic zone and provisionalization. Nobel biocare. Columbus, Ohio August 16th ,2014.
18. TMJ Workshop (TMD, Masticatory muscles disorders, occlusion and TMD, Dental sleep medicine, dental occlusion and articulation –the evolution of concepts) The Ohio State University, August 15th all day workshop 2014.
19. Continuous Education program: Advances in implant Therapy for the edentulous Patient, Tarnow-Cooper-Jones meeting, Chicago May 16th , 2014.

20. IPS E.Max CAD Stain and Glaze, Cutback/Layering Workshop at Ivoclar Vivadent Facility, Buffalo, NY. May 5-6, 2014
21. The 49th Annual Carl O. Boucher Prosthodontic Conference Scientific Program USA. April 17-19.2014(CE Credit 12 hours)
22. National prosthodontics Awareness Week meeting, The Ohio State University, College of Dentistry. USA. April 10, 2014.
23. Mansoura International Dental congress (MIDC): A Voyage in Dentistry, EGYPT.10-12 April 2013.Egypt
24. The 3rd Annual Prosthodontics Department Conference, Faculty of Dentistry, Mansoura University: *Recent treatment modalities in prosthodontics* .29-30 March 2012. (20 credit hours).
25. 1st scientific day of Nile Association of Oral Implantology (NAOI), 13 May 2011.
26. Prosthodontics department conference, Faculty of Dentistry, Mansoura University: *Prospective of implant removable structures*, Lectures 16-hrs and Hands-on training 6-hrs, 27-28 October 2008.
27. Continuous Education Program in Dental Implantology including lectures, Hands-on Training and Life surgeries by Egyptian Scientific Society of Dental Implantologists (E.S.S.D.I) member of I.C.O.I.

Credit hours: 30hrs lectures and 10hrs practice.27th March-1st of May 2008
28. Multi-Specialty Approach to cosmetic Dentistry, Alexandria Oral Implantology Association (AOIA), 28 June 2007, credit hours: 7hrs.
29. 9th scientific oral and maxillofacial congress ZAGAZIG 12-13 April 2007.
30. 1st scientific meeting of Dentists Scientific Association in Mansoura titled: *Simplify Your Endo*, 2nd April 2006.

