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▪ **Certifications**

- **Doctor Degree in Oral Pathology (Ph.D.):** December 2008, Faculty of Oral & Dental Medicine, Cairo University.p
- **Master Degree in Oral Pathology and Biology (Oral Pathology/Oral Biology) (M.D.Sc):** February 2004, Faculty of Oral & Dental Medicine, Cairo University.
- **Bachelor Degree in Dental Surgery (B.D.S):** May 1997, Faculty of Oral & Dental Medicine, Cairo University.

▪ **Theses:**

- **Ph. D. Thesis:** Expression of Survivin and Apoptotic Index in Salivary Gland Tumours.
- **Master Thesis:** Immunohistochemical Expression of Bcl-2 Protein in Oral Premalignant Lesions and Squamous Cell Carcinoma.

▪ **Teaching Experience**

- **Professor** of Oral and Maxillofacial Pathology from 22/7/2019 till now. Faculty of dentistry, Cairo University
- **Assistant Professor** of Oral Pathology: 21/7/2014 Oral Pathology Department, Faculty of Oral & Dental Medicine, Cairo University.
- **Lecturer** of Oral Pathology: 28/1/2009→20/7/2014, Oral Pathology Department, Faculty of Oral & Dental Medicine, Cairo University.
- **Assistant Lecturer** of Oral Pathology: 7/4/2004→27/1/2009, Oral Pathology Department, Faculty of Oral & Dental Medicine, Cairo University.

-Demonstrator of Oral Pathology: 4/8/1999→6/4/2004, Oral Pathology Department, Faculty of Oral & Dental Medicine, Cairo University.

▪ **Supervision on Theses**

- 1- The Antiangiogenic Effect of Soybean as a Chemopreventive Agent on Oral Carcinoma Cell Line (Master thesis, 2010).
- 2- Precancerous and cancerous stem cells in oral epithelial dysplasia and squamous cell carcinoma (An Immunofluorescent Study) (Master thesis 2001).
- 3- Immunohistochemical Expression of Survivin in Oral Squamous Cell Carcinoma (Master thesis, 2012).
- 4- Correlation between HIF-1 α and VEGF Expression in Oral Squamous Cell Carcinoma (Master thesis, 2013).
- 5- Immunohistochemical Assessment of Cancer Stem Cells in Mucoepidermoid Carcinoma (Master thesis, 2013).
- 6- An Immunohistochemical comparison between CD105 and CD31 microvessel density for better evaluation of angiogenesis in oral epithelial dysplasia and oral squamous cell carcinoma (PhD thesis).
- 7- Assessment of Angiogenesis using endoglin (CD105) and its correlation with CD31 microvessel density (PhD thesis).
- 8- Effects of Mesenchymal stem cells on bone healing in rat bisphosphonate-induced osteonecrotic teeth sockets (Master thesis).
- 9- Assessment of midkine expression (protein & mRNA) in mucoepidermoid carcinoma in comparison to normal salivary gland tissue (Master thesis).
- 10- Diagnostic value of midkine expression (protein and mRNA) in oral squamous cell carcinoma (Master thesis).
- 11- Evaluation of pulp reaction to two modified nanoclay glass ionomer restorations and influence of pH cycling on their microhardness and fluoride release (PhD thesis)

▪ **Published work:**

- 1- The Proapoptotic and Antiangiogenic Effect of Cinnamon on Oral Squamous Cell Carcinoma Cell Line (SCC-27). Egyptian Dental Journal 2011; 57(3): 2513-2520.
- 2- Role of Ezrin Protein in the epithelial proliferation and Invasion Activity of Human Oral Squamous Cell Carcinoma. Journal of Biotechnology Research 2012; 12: 124-135.

- 3-Identification of Normal and Cancerous Salivary Stem Cells Using CD 44. Egyptian Dental Journal 2012; 58(1): 337-342.**
- 4-L1CAMmRNA and Protein Expression in Normal Oral Mucosa, Oral Epithelial Dysplasia and Oral Squamous Cell Carcinoma. Egyptian Dental Journal 2012; 58 (2):1501-1508.**
- 5-Detection of Claudin-4 in salivary gland neoplasms (a study utilizing RT-PCR and Immunohistochemistry). Journal of Oral Pathology and Medicine 2013; 42: 781-787.**
- 6- Correlation between HIF-1 α and VEGF Expression in Oral Squamous Cell Carcinoma. Cairo Dental Journal 2013;12 (2):727-734.**
- 7-Molecular Detection of Cancer Stem Cells in Benign and Malignant Ameloblastoma (an immunofluorescent study). Egyptian Dental Journal 2013; 59(4): 4733-4741.**
- 8-Chemopreventive effect of Mentha Piperita on Dimethylbenz[a]anthracene and Formaldehyde-Induced Tongue Carcinogenesis in Mice (histological and immunohistochemical study). Journal of Oral Pathology and Medicine ;43(7):484-91**
- 9-Effect of Periodontal Surgery on Osteoprotegerin Levels in Gingival Crevicular Fluid, Saliva, and Gingival Tissues of Chronic Periodontitis Patients. Disease Markers. Volume 2015 (2015), Article ID 341259, 9 pages
<http://dx.doi.org/10.1155/2015/341259>**
- 10-Ultrastructural Characterization and Immunoelectron Localization of Stem Cells in Normal, Precancerous and Cancerous Oral Epithelium. E.D.J.2016; Vol. 62, No. 4**
- 11-copmarative study for tissue engineered condylar osteochondral graft versus io-Oss xenofraft: (experemintal study)**
- 12-Comparative study of Tissue Engineered Osteochondral Graft Versus Autogenous Graft in Critical Size Deffect: An Experimental Study on the Tempromandibular Joint of Dogs. International journal of advanced research 2017; 5(2), 809-817.**

13. Gene expression of miRNA-138 and cyclin D1 in oral lichen planus. Clin Oral Invest 2017, 21:2481–2491.

14-Immunohistochemical Analysis of Nf-κB Expression and its Relation to Apoptosis and Proliferation in Different Odontogenic Tumors. Int J of Cancer Res 2017, 13(2):76-83.

15-EXPRESSION OF CD105 AND CD31 IN BENIGN AND MALIGNANT SALIVARY GLAND TUMORS WITH MYOEPITHELIAL DIFFERENTIATION (A COMPARATIVE STUDY). International J of Advanced Research 2017, 5(12), 1026-1034.

16-Expression of miR-34a/p53 and Their Apoptotic Target Bax in Oral Squamous Cell Carcinoma. Int J of Cancer Res 2018, 14(1): 32-38

17-Evaluation of angiogenesis in oral epithelial dysplasia and oral squamous cell carcinoma: An immunohistochemical comparison between anti-CD105 and anti-CD31 antibodies. International J of Advanced Res 2018, 6(1): 338-347.

18- Role of Mesenchymal Stem Cells in Bone Healing of Rat Bisphosphonate-induced Osteonecrosis of the Jaw. J of Medical Sciences 2018 (2), 87-95

19-Expression of MSH2 in head and neck lymphomas (A study utilizing immunohistochemistry and real-time polymerase chain reaction). J of Medical Sciences 2018 (3) 108-113.

Related Experience

- **Faculty and Leadership Development Courses: 2006→2018, Cairo University.**
 - 1- Using Technology in Teaching.**
 - 2- Professional Ethics.**
 - 3- E-learning, New Methods in Teaching.**
 - 4- Time and Meetings Management.**
 - 5-Development of Administrative Skills.**
 - 6-Students Evaluation.**

- 7-Conference Organization**
- 8-Managing Research Team**
- 9-How to Compete for Research Fund**
- 10-Quality Standards in Teaching**
- 11-Scientific Publishing**
- 12- Effective Presentation skills**
- 13-Effective teaching skills**
- 14-Scientific research Ethics**
- 15-Facing work stresses**
- 16-Change management**
- 17-Legal and Financial Aspects in University Environment**
- 18-Statistical Analysis of Bio-Experiments.**
- 19-Credit hours system**

❖ **Diplomas**

- **Leadership preparation Diploma from the Arabic Center for management development and strategic studies and ministry of external affairs May 2018.**
- **The General Quality Diploma from the Arabic Center for management development and strategic studies and ministry of external affairs May 2018.**

❖ **Course of Immunohistochemistry and Tumour Markers: 2005→2008**, Oral Pathology Department, Faculty of Oral and Dental Medicine, Cairo University.

❖ **TOEFL** with test score 586, October 2005, Center for foreign languages and professional translation, Cairo University.

❖ **Computer Science**: June 2004, Institute of Statistics, Cairo University.

❖ **Preparation of university professor course Sep 2004**

❖ **Confrences and work shops :**

- **international conference of Pedodontics in Cairo 2013**
- **The International Conference of faculty of dentistry April 2017**
- **The International Conference of Dentistry Party (EDIC) Sep 2017**
- **The international Conference of Women Science in Developing Countries Nov 2017**

- **Organization development and leadership international conference Nov 2017**
- **The Entrepreneurship international conference Nov 2017**
- **The participation as a reviewer in the scientific day of semester 7 in the Oral Pathology Department in Faculty of Dentistry, MSA University Feb 2017**
- **The organization of the scientific day of semester 7 of the Oral Pathology Department, Faculty of Dentistry MSA University Dec 2017**
- **The participation as a reviewer in the scientific day of semester 6 in the Oral Pathology Department in Faculty of Dentistry, MSA University Dec 2017**
- **A work shop of self study for higher education institutions in Quality Control Unit, MSA University Jan 2018**
- **A work shop of :how to become a blended learning designer , Quality Control Unit, MSA University Feb 2018.**
- **The International Conference of Learning, Teaching and Assessment, Quality Control Unit, MSA .March 2018**
- **The Second annual MSA University workshop on Advances in Communication and Electronic Systems. April 2018**
- **The decision making, Crisis Management, effective leadership, the management , effective communication and strategic planning in leaders preparation Diploma May 2018**
- **The concept of total quality management, the objectives of applying total quality management , the success factors for total quality management, ISO standard specification , benefits of applying ISO standards and ways to improve overall quality workshops in the total quality management diploma . May 2018**
- **The Third Annual Nutrition Conference in MSA. May 2018.**
- **The assessment and testing workshop in MSA June 2018.**
- **The teaching and learning styles workshop in MSA June 2018.**
- **Rubric workshop, Quality Control Unit, MSA University June 2018.**
- **The stem cell conference of the Egyptian Society for stem cell research. July 2018.**
- **The international science multidisciplinary conference, MSA university with Greenwich University October 2018.**

- **Hands on stem cells course, the Egyptian society for stem cell research Oct 2018**
- **Stem cell course, The Egyptian Society of Human Genetics, November 2018.**
- **The annual stem cell conference , Cairo University, January 2019.**
- **Bench marking, Quality Control Unit, MSA University, January 2019.**
- **The International Conference of Faculty of Dentistry, MSA University February 2019.**
- **The scientific day of the oral and maxillofacial Pathology Department, Faculty of Dentistry, Cairo University, February 2019**
- **Research Ethics committees, self paced course, July 20**
- **The external Examiner workshop, MSA university , Aug 2019.**
- **The scientific day of the oral and maxillofacial Pathology Department, Faculty of Dentistry, Cairo University, February 2020**
- **Challenges facing research Ethics committees in during covid 19 Pandemic webinar, June 2020**
- **The online Faculty of dentistry international conference in BUE, July 2020**
- **The leadership code course, MSA University July 2020**
- **Webinar of recent trends of cancer treatment, MSA University July 2020**
- **The international online symposium of Faculty of dentistry about digital dentistry, MSA University September 2020**
- **Ethics of Using Human Patients in Medical Education”**

Organized by UNESCO Chair in Bioethics, Ain Shams University in collaboration with ASU MENA- FRI On Saturday, September 12, 2020

- **Online webinar aethical and regulatory issues in scientific research , Sep 2020**
- **Introduction to research ethics webinar Sep 2020**
- **The 5th confrenec of Iranian maxillofacial pathologists association Sep 2020.**
- **Research Ehics capacity building virtual work shop Dec 2020**
- **TUMS online Evidence-Based Dentistry course**
that took place virtually on **December and November, 2020 for 24**

hours

- **Coaching and mentouring course, MSA university Jan 2021**
- **Learning styles course, MSA University February 2021**
- **Design Thinking for educators course, MSA University March 2021**
- **Building of resilient teams course, MSA University March 2021**
- **Student motivation and engagement course, MSA University March 2021**

Testimonial

- **From the Egyptian Society of Histology and Cytology.**
- **The Ideal Assistant Lecturer: January 2006, Oral Pathology Department, Faculty of Oral & Dental Medicine, Cairo University.**
- **From the international conference of Pedodontics in Cairo 2013**
- **From the International conference of Faculty of Dentistry for Poster presentation April 2017**
- **From The International Conference of Dentistry Party Sep 2017 for poster presentation**
- **From Organization development and leader ship international conference for attendance.**

- From The Entrepreneurship international conference for attendance.
- From the international Conference of Women Science in Developing Countries as a speaker.
- From the second annual MSA university work shop on advances on communication and electronic systems.
- From the annual nutrition conference as a speaker.
- From the Arab center for administrative development and strategic studies for Leaders preparation Diploma. May 2018
- From the Arab center for administrative development and strategic studies for General Quality Diploma May 2018.
- From the quality of higher education center in MSA University for attendance of the : assessment and testing, teaching and learning styles, self study and to be a blended learning designer workshops.
- From the Arab Research and Ethics capacity development institute July 2019
- From the stem cell conference, the Egyptian Society of stem cell research as a speaker.
- From the international science multidisciplinary conference for poster presentation.
- From the international Conference of Faculty of Dentistry, MSA University as a speaker and as a chair person.
- As a speaker in the Webinar of recent trends in cancer treatment July 2020

▪ **Membership**

- Scientific Research Unit, Faculty of Oral and Dental Medicine, Cairo University since 2009 till 2015.
- The President of the Scientific Research Committee in Faculty of Dentistry, MSA University since 2016.
- The Vice president of the Research Ethical Committee, Faculty of Dentistry. MSA University since Nov 2017.
- The Egyptian Society of Human Genetics 2018.
- Executive Office for writing The Strategic Plan of the Faculty of Dentistry, MSA University.

The head of the MSA ranking committee in Faculty of Dentistry, MSA university.

- The Society for Women in Science in Developing Countries, Egypt.
- The Arab Society for Medical Research.
- The ENREC, The Egyptian network of Research Ethics Committees.
- The Asian Council of Science Editors. Dec. 2020

Awards:

- The Award of the International Publishing from Cairo University 2014, 2015, 2016 &2017.
 - The 5th position in poster competition in The scientific day of the oral and maxillofacial Pathology Department, Faculty of Dentistry, Cairo University, February 2020
- **Languages**
- Arabic - native language
 - English - speak fluently and read/write with high proficiency

