



# Heba Sharaf Eldin

Associate Professor of Histology and  
Cell Biology, Tanta University, Egypt

## PERSONAL INFORMATION

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**Full Name:** Heba Elsayed Mohamed Sharaf Eldin

**Date of birth:** 22-10-1982

**Address:** Egypt, El Gharbia, Kafer El Zayat, El sharekat Street, (Felifel Building).

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## ACADMIC DEGREES

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- **M.B.Ch.B.** November 2005, Grade: (Excellent), Tanta University.
- **M.Sc.** Basic sciences (Histology), April 2010, Tanta University. *Thesis title:* Histological study of the effect of Bisphenol- A on the testis of adult male albino rat.
- **M.D.** Basic sciences (*Histology & Stem cells biology*), September 2015, Tanta University. *Thesis title:* Histological study of the potential differentiation of bone marrow derived stem cells of albino rat towards cardiomyocytes in vitro.
- **Clinical diploma of Neuropsychiatry**, Tanta University, 2022.

## PROFESSIONAL OCCUPATIONS

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- **2005-2006:** House officer, Tanta University Hospitals, Egypt.
- **2007-2010:** Demonstrator of Histology and Cell Biology, Faculty of medicine, Tanta University, Egypt.

- **June 2010 – August 2015:** Assistant Lecturer of Histology and Cell Biology, Faculty of medicine, Tanta University, Egypt.
- **September 2015 – January 2023:** Lecturer of Histology and Cell Biology, Faculty of medicine, Tanta University, Egypt.
- **January 2023- Until now:** Associate Professor of Histology and Cell Biology, Faculty of medicine, Tanta University, Egypt.
- **2020-Until now:** General psychiatrist.

## **SCIENTIFIC MISSION (POSTDOC.)**

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- **July 2018-July 2019:** Staff Member in Department of Stem Cell Biology, Atomic Bomb Disease Institute, Nagasaki University, Japan.

**Publication:** Laminin alpha-3 and thrombospondin-1 differently regulate the survival and differentiation of hepatocytes and hepatic stem cells from neonatal mice. Am J Transl Res.2021 Nov 15; 13(11):12684-12693.

## **LABORATORY SKILLS**

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- Handling with laboratory animals especially rats and mice and their dissection (In-vivo studies).
- Tissue culture techniques (In-vitro studies).
- Polymerase Chain Reaction(PCR)
- Preparation of tissue section for examination by
  - Light microscope
  - Immunohistochemistry technique.
  - Immunofluorescence technique.
  - Electron microscopes
  - Immunoelectron microscopy
  - Laser confocal microscopy.

- Experience
  - Image processing
  - Computational methods.

## **TRANING COURSES**

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- Electron microscope; principles, techniques& interpretation, in Tanta Faculty of Medicine, 3/1/2017.
- Training course (Specified faculty development program) in Tanta Faculty of Medicine, 4-6 June, 2018.
- Work shop (Basic protocols in cell culture) in Tanta Faculty of Medicine, 7/3/ 7102.
- Training course ((explore journal impact factor, 2020/2021) in Tanta Faculty of Medicine, 3 July 2021.
- Training course (statistical analysis in clinical research), Helwan University, 10 July 2021.
- Immunoelectron microscope (techniques& applications) in Tanta Faculty of Medicine July 2024

## **PUBLICATIONS**

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1. Sharaf Eldin HEL, Ibrahim MA, Mousa AM, Metwaly HG, Abo-Hassan NF. Cardiogenic Differentiation of Murine Bone Marrow-Derived Mesenchymal Stem Cells by 5-Azacytidine: A Follow-up In vitro Study. *J Microsc Ultrastruct*. Oct-Dec 2019;7 (4):185-193.
2. Heba E. M. Sharaf Eldin, Marwa A. A. Ibrahim and Noha R. M. Elswaidy. Histological and immunohistochemical study of the effect of platelet-rich plasma on a corneal alkali burn in adult male albino rat. *Egyptian Journal of Histology*, June 2019, (2): 482-495.
3. Marwa A. A. Ibrahim, Heba E. M. Sharaf Eldin and Noha R. M. Elswaidy. Role of aqueous extract of saffron in ameliorating effect of sofosbuvir on the cerebellar cortex in rat. *The Anatomical Record*, April 2021, 304, (4): 714-724.

4. Samah Kandeel Heba E. M. Sharaf Eldin. The Possible Ameliorative Effect of Manuka Honey on Tartrazine Induced Injury of the Jejunal Mucosa with the Role of Oxidative Stress and TNF-alpha: Histological and Morphometric Study. Egyptian Journal of Histology 2021, 44 (1): 48-60.
5. Shuai Zhang , Heba Sharaf Eldin, Wei-Li Gu and Tao-Sheng Li. Laminin alpha-3 and thrombospondin-1 differently regulate the survival and differentiation of hepatocytes and hepatic stem cells from neonatal mice. Am J Transl Res.2021 Nov 15;13(11):12684-12693.
6. Noha R. M. Elswaidy and Heba E. M. Sharaf eldin. The Effect of Semicarbazide on the thyroid gland of Juvenile male Albino Rat and Possibility of Recovery: Histological and Immunohistochemical study. Egyptian Journal of Histology, Article 15, Volume 45, Issue 2, July 2022, Page 537-547.
7. Marwa A. A. Ibrahim, Mona T. Sadek and Heba E. M. Sharaf Eldin. Role of pomegranate extract in restoring endometrial androgen receptor expression, proliferation, and pinopodes in a rat model of polycystic ovary syndrome. Morphologie. 2022 Sep;106(354):145-154.
8. Amira A. Kassab, Heba E. M. Sharaf Eldin, Amal AA Abd-El-Hafez. Marjoram oil attenuates valproic acid-induced pancreatic damage in adult male albino rats: a histological and immunohistochemical study. Egyptian Journal of Histology, Article 1, Volume 45, Issue 3, September 2022, Page 653-666.
9. Marwa A. A. Ibrahim, Heba E. M. Sharaf Eldin and Mona T. Sadek. Role of Sesame Oil in Ameliorating Testicular Damage in a Rat Model of Acute Kidney Injury: A Histological and Immunohistochemical Study. Egyptian Journal of Histology, Article 17, Volume 45, Issue 3, September 2022, Page 894-907.
10. Amany Mohamed Shalaby , Heba E M Sharaf Eldin , Ahmed Ahmed Abdelsameea , Hanim Magdy Abdelnour , Mohamed Ali Alabiad , Mahmoud Ramadan Elkholy , Adel Mohamed Aboregela . Betahistine Attenuates Seizures,

Neurodegeneration, Apoptosis, and Gliosis in the Cerebral Cortex and Hippocampus in a Mouse Model of Epilepsy: A Histological, Immunohistochemical, and Biochemical Study. *Microsc Microanal*. 2022 Jun 10;1-15.

11. Amal I Saba , Reda H Elbakary , Omayma K Afifi , Heba E M Sharaf Eldin . Effects of Platelet-Rich Plasma on the Oxymetholone-Induced Testicular Toxicity. *Diseases*. 2023 Jun 9;11(2):84.

12. Shimaa M Badr, Heba EM Sharaf Eldin, Marwa A.A. Ibrahim. The possible protective role of vitamin E against deferasirox-induced injury of renal cortical tubules in adult male albino rat: A histological and immunohistochemical study. *Egyptian Journal of Histology Article 14, Volume 46, Issue 4, December 2023, Page 1741-1751.*

13. Rasha Abdelaziz Abd Ellatif, Shimaa Mamoud Badr , Rania Hamed Shalaby, Heba Elsayed Sharaf Eldin. The role of hesperidin in ameliorating the histological changes of sciatic nerve in streptozotocin-induced diabetic rats: Light and electron microscopic study. *Egyptian Journal of Histology, Article 21, Volume 46, Issue 4, December 2023, Page 1847-1860.*

14. Nehal Ahmed Dowidar; Samah Kandeel Kandeel; Nadia Fouad Abo Hassan; Heba Elsayed Sharaf Eldin. Role of Quercetin in Ameliorating the Histological Changes in a Rat Model of Acute Lung Injury: Histological and Immunohistochemical Study. *Ain Shams Medical Journal Volume 75, Issue 4, December 2024, Pages 888-901.*

15. Shimaa Mahmoud Badr , Heba Elsayed Sharaf Eldin , Shaimaa Mohammed Zaher. Curcumin Versus Omeprazole Against The Effect of Deferasirox on Fundic Gastric Mucosa of Adult Male Albino Rat: Immunohistochemical and Scanning Electron Microscopic Study. *Biological and Biomedical Journal. Volume 3, Issue 1, January 2025, Page 23-37.*

16. Youstina Samuel Salib, Heba Sharaf Eldin, Samah Kandeel, Ebtsam Okasha, Abd-ElMoniem Zamzam. Could Ginkgo Biloba Extract Has a Protective Effect on The Histological Changes Induced in The Substantia Nigra Pars Compacta. of Parkinsonian Disease Model in Adult Male Albino Rat?". Egyptian Journal of Histology, Accepted for publication July 2024.

## **CONFERENCES ATTENDANCE**

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- 31 th Annual conference of the Faculty of Medicine, Tanta University from 1 to 4 March 2016.
- 32 th Annual conference of the Faculty of Medicine, Tanta University from 7 to 10 March 2017
- 34 th Annual conference of the Faculty of Medicine, Tanta University from 5 to 8 March 2019
- 35 th Annual conference of the Faculty of Medicine, Tanta University from 3 to 6 March 2020
- 36 th Annual conference of the Faculty of Medicine, Tanta University from 26 to 28 March 2021(**on line**).
- 37 th Annual conference of the Faculty of Medicine, Tanta University from 26 to 29 July 2022.
- 38 th Annual conference of the Faculty of Medicine, Tanta University from 4 to 7July 2023.
- 39 th Annual conference of the Faculty of Medicine, Tanta University from 9 to 11July 2024.
- 39 th Conference of the Egyptian Society of cells and tissues on 17-12-2015, Faculty of Medicine, Asuit University.
- 40 th Conference of the Egyptian Society of cells and tissues on 29-12-2016 Faculty of Medicine, Kafr El-Sheikh University.

- 41 th conference of the Egyptian Society of cells and tissues on 28-12-2017. Faculty of Medicine, Cairo University.
- 43th conference of the Egyptian Society of cells and tissues on 26-12-2019, at the institute National Research - Giza.
- 44 th conference of the Egyptian Society of cells and tissues on 7-12-2020. (on line)
- 48 th conference of the Egyptian Society of cells and tissues on 28-11-2024.

### **Speaker in:**

- 32 th Annual conference of the Faculty of Medicine, Tanta University from 7 to 10 March 2017.
- 35 th Annual conference of the Faculty of Medicine, Tanta University from 3 to 6 March 2020
- 37 th Annual conference of the Faculty of Medicine, Tanta University from 27 to 28 July 2022
- 38 th Annual conference of the Faculty of Medicine, Tanta University from 4 to 7July 2023

### **Workshop Preparation:**

- 32 th Annual conference of the Faculty of Medicine, Tanta University from 7 to 10 March 2017 (Basics protocols in Cell Culture).
- 37 th Annual conference of the Faculty of Medicine, Tanta University from 27 to 28 July 2022

## **TEACHING & ACADMIC ACTIVITES**

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- Teaching of Histology and Cell Biology courses for undergraduate students of Medicine, Pharmacy and dentistry faculties.
- Teaching of *Stem cell Biology and Regenerative Medicine* course for Medical undergraduate students.
- Teaching of Histology and Cell Biology courses for Medical postgraduate students.

- Supervisor on thesis of postgraduate students at Histology department, Faculty of medicine Tanta.
- Member of the planning strategy in quality assurance unit, Faculty of medicine Tanta.
- Participating in the preparation of the new curriculum for the histological subject in accordance with the 5-year study system.
- Coordinator of gastrointestinal tract course in the main stream (credit points) program, Faculty of Medicine, Tanta 2020-2023.
- Faculty main Coordinator of Respiratory Module in the main stream (credit points) program, Faculty of Medicine, Tanta 2024-2025.

## **SCIENTIFIC & EDUCATIONAL COURSES**

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- Student assessment and evaluation. from 17/10/2020. to 18/10/2020.
- Communication skills. from 21/10/2020. to 22/10/2020.
- Programs and courses design. from 26/10/2020. to 27/10/2020.
- Research team management. from 24/5/2021. to 25/5/2021.
- International publication of research. from 18/5/2021. to 19/5/2021.
- Strategic planning. from 26/5/2021. to 27/5/2021.

## **SOCIETY MEMBERSHIPS**

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- Member of the general council of Egyptian syndicate from 2015-2019.
- Member of the Egyptian society of Electron microscope
- Member of the Histology & Cell Biology department council

## **LANGUAGES & Certificates**

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- Arabic (native)
- English (very good) written and orally (TOFEL-OET certificates)

## **INTERPERSONAL SKILLS**

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- Ability to communicate.
- Working with others.

- Problem solving
- Leadership.
- Social skills

## **HOBBIES & INTERESTS**

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- Travelling
- Reading
- Attendance of music concerts

## **REFERENCES**

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- Prof. Dr. Omima Kamel Afifi, Professor of of Histology, Faculty of Medicine, Tanta University Cell phone: 00201015351071 Email: [omaima.afefy@med.tanta.edu.eg](mailto:omaima.afefy@med.tanta.edu.eg)
- Prof. Dr. Naglaa Ebrahem Sharhan Professor of Histology, Faculty of Medicine, Tanta University Cell phone: 00201005686375 Email: [naglaa.sarhan@med.tanta.edu.eg](mailto:naglaa.sarhan@med.tanta.edu.eg)
- Prof. Dr. Amany Mohammed Ibrahim Mousa Professor of Histology, Faculty of Medicine, Tanta University Cell phone: :00201001576362 E mail: [amany.mousa@med.tanta.edu.eg](mailto:amany.mousa@med.tanta.edu.eg)

## WEB

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<b>Web of science</b>	<a href="https://www.webofscience.com/wos/author/record/ACG-6994-2022">https://www.webofscience.com/wos/author/record/ACG-6994-2022</a>
<b>Google scholar</b>	<a href="https://scholar.google.com/citations?view_op=new_profile&amp;hl=ar">https://scholar.google.com/citations?view_op=new_profile&amp;hl=ar</a>
<b>Orcid Number</b>	<a href="https://orcid.org/my-orcid?orcid=0000-0003-1988-6932">https://orcid.org/my-orcid?orcid=0000-0003-1988-6932</a>
<b>Scopus</b>	<a href="https://www.scopus.com/">https://www.scopus.com/</a>
<b>Research gate</b>	<a href="https://www.researchgate.net/profile/Heba-Sharaf-Eldin">https://www.researchgate.net/profile/Heba-Sharaf-Eldin</a>