

CURRICULUM VITAE

Hend El-Sayed Foad El-Wakeel, MD, MSc

Assistant Professor of Medical Physiology

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Academic Position

Assistant Professor of Medical Physiology

Department of Medical Physiology, Faculty of Medicine
Benha University, Egypt
(June 2025 – Present)

Education

- **MD in Medical Physiology**, Faculty of Medicine, Benha University, Egypt — *March 2015*
- **MSc in Medical Physiology**, Faculty of Medicine, Benha University, Egypt — *May 2011*
- **MB BCh**, Faculty of Medicine, Benha University, Egypt — *December 2005*

Academic & Professional Experience

- **Assistant Professor of Medical Physiology**
Faculty of Medicine, Benha University, Egypt
September 2025 – Present
- **Assistant Professor of Medical Physiology**
Faculty of Medicine, Al-Baha University, Saudi Arabia
December 2018 – August 2025
- **Lecturer of Physiology**
Faculty of Medicine, Benha University, Egypt
March 2015 – November 2018

- **Assistant Lecturer of Physiology**

Faculty of Medicine, Benha University, Egypt

May 2011 – March 2015

- **Demonstrator of Physiology**

Faculty of Medicine, Benha University, Egypt

August 2007 – May 2011

- **General Physician**, Ministry of Health, Egypt

March 2007 – July 2007

- **Internship Training**, Benha University Hospital, Egypt

March 2006 – February 2007

Teaching Experience

- Undergraduate Medical Physiology teaching at:
 - Faculty of Medicine, Benha University, Egypt
 - Faculty of Medicine, Al-Baha University, Saudi Arabia (on-campus & online)
- Postgraduate Medical Physiology lectures, Faculty of Medicine, Benha University
- Undergraduate Physiology teaching at:
 - Faculty of Nursing, Benha University
 - Institute of Nursing, Benha University
 - Health Technical Institute, Ministry of Health, Egypt
- Undergraduate Physiology teaching for:
 - Faculty of Clinical Pharmacy, Al-Baha University (2022–2024)

Course Coordination

Faculty of Medicine, Al-Baha University (2018–2025)

- Basic Gastrointestinal Tract
- Urinary System
- Nervous System & Special Senses
- Cardiology & Cardio-surgery
- Neurology & Neuro-surgery
- Basic Emergency Course

Postgraduate Theses Supervision

1. **MSc Thesis**

The Effect of Proton Pump Inhibitors and Vitamin E on Electrocardiogram (ECG), Arterial Blood Pressure, and Serum Oxidative Parameters in Isoprenaline-Induced Myocardial Infarction in Adult Male Albino Rats.

2. **MD Thesis**

Assessing the Cardioprotective Effect of Erythropoietin in Uremic Cardiomyopathy Through Modulation of Nuclear Factor- κ B and Associated Pro-Inflammatory Cytokines.

3. **MD Thesis**

Protective Effect of Thymoquinone on Bisphenol A-Induced Hepatotoxicity in Male Rats Targeting Associated Pro-Inflammatory Cytokines and NF- κ B.

Professional Development & Training

Faculty & Leadership Development Center (FLDC)

Benha University, Egypt

- Fundamentals of Digital Transformation — Aug 2023
- Strategic Planning — July 2023
- Question Banks & Electronic Tests — July 2023
- Marketing Scientific Research — Aug 2023
- Integrity & Transparency — Aug 2023
- Credit Hours System — Oct 2023

Deanship of E-Learning & Distance Education

Al-Baha University, Saudi Arabia

- BMJ Best Practice & BMJ Journals — Oct 2021
- Writing Professional Review Reports — Oct 2021
- Course Reports & Academic Programs Writing — Oct 2021
- Web of Science Core Collection — Jan 2024
- Journal Citation Reports — Jan 2024
- Evidence-Based Medicine Reviews — Feb 2024
- Publishing with Oxford Journals — Feb 2024

Research Theses

- **MSc (2011):** *Protective effect of taurine against gentamicin-induced acute renal failure in rats.*
- **MD (2015):** *Effect of vitamin D and vitamin E on sodium fluoride-induced testicular toxicity in adult male albino rats.*

Publications

- Hussien, N. I., El-Wakeel, H. S. & Mohammed, D. A. (2019). Protective effect of vitamin D on chronic stress-induced cardiac dysfunction in rats. *General Physiology and Biophysics*, 38, 51–61.

El-Refaey, B. H., Ali, O. I., & El-Wakeel, H. S. (2020). Effect of aerobic exercise on sleep and hormonal levels in elderly patients with chronic primary insomnia: A randomized controlled trial. *Fizjoterapia Polska*, (1).

Ebrahim, N., Abd El-Halim, H. E., Helal, O. K., El-Azab, N. E., Badr, O. A. M., Hassouna, A., Al Saihati, H. A., Aborayah, N. H., Emam, H. T., El-Wakeel, H. S., Aljasir, M., El-Sherbiny, M., Sarg, N. A. S., Shaker, G. A., Mostafa, O., Sabry, D., Fouly, M. A. K., Forsyth, N. R., Elsherbiny, N. M., & Salim, R. F. (2022). Effect of bone marrow mesenchymal stem cell-derived exosomes on diabetes-induced retinal injury: Implication of Wnt/ β -catenin signaling pathway. *Biomedicine & Pharmacotherapy*, 154, 113554.

Mohammed, O. A., Abdel-Reheim, M. A., Alamri, M. M. S., Alfaifi, J., Adam, M. I. E., Saleh, L. A., Farrag, A. A., Omer Yahia, A. I., Abdel-Ghany, S., Al Jarallah AlQahtani, A., Bahashwan, E., Eltahir, H. B., Mohammed, N. A., El-Wakeel, H. S., Hazem, S. H., & Saber, S. (2023). STA9090 as a potential therapeutic agent for liver fibrosis by modulating the HSP90/T β RII/proteasome interplay: Novel insights from in vitro and in vivo investigations. *Pharmaceuticals*, 16, 1080.

Mohammed, O. A., Abdel-Reheim, M. A., Saleh, L. A., Alamri, M. M. S., Alfaifi, J., Adam, M. I. E., Farrag, A. A., AlQahtani, A. A. J., BinAfif, W. F., Hashish, A. A., Abdel-Ghany, S., Elmorsy, E. A., El-Wakeel, H. S., Doghish, A. S., Hamad, R. S., & Saber, S. (2023). Alvepimycin exhibits potential anti-TGF- β signaling in the setting of a proteasome activator in rats with bleomycin-induced pulmonary fibrosis. *Pharmaceuticals*, 16, 1123.

Ahmed-Farid, O. A., Abdelrazek, A. M., El-Wakeel, H. S., & Mohamed, M. M. (2023). *Hordeum vulgare* ethanolic extract mitigates high salt-induced cerebellar damage via attenuation of oxidative stress, neuroinflammation, and neurochemical alterations in hypertensive rats. *Metabolic Brain Disease*. <https://doi.org/10.1007/s11011-023-01277-5>

Abdelhady, R., Saber, S., Abdel-Reheim, M. A., Alamri, M. M. S., Alfaifi, J., Adam, M. I. E., Saleh, L. A., Farag, A. I., Elmorsy, E. A., El-Wakeel, H. S., Doghish, A. S., Shaker, M. E., Hazem, S. H., Ramadan, H. A., Hamad, R. S., & Mohammed, O. A. (2023).

Unveiling the therapeutic potential of exogenous β -hydroxybutyrate for chronic colitis in rats: Novel insights on autophagy, apoptosis, and pyroptosis. *Frontiers in Pharmacology*, *14*, 1239025.

Mohammed, O. A., Doghish, A. S., Saleh, L. A., Alghamdi, M., Alamri, M. M. S., Alfaifi, J., Adam, M. I. E., Alharthi, M. H., Alshahrani, A. M., Alhalafi, A. H., BinAfif, W. F., Rezigalla, A. A., Abdel-Reheim, M. A., El-Wakeel, H. S., Attia, M. A., Elmorsy, E. A., Al-Noshokaty, T. M., Nomier, Y., & Saber, S. (2024). Itraconazole halts hepatocellular carcinoma progression by modulating sonic hedgehog signaling in rats. *Pathology – Research and Practice*, *253*, 155086.

Mohammed, O. A., Youssef, M. E., Hamad, R. S., Abdel-Reheim, M. A., Saleh, L. A., Alamri, M. M. S., Alharthi, M. H., Alfaifi, J., Adam, M. I. E., Eleragi, A. M. S., Senbel, A., Farrag, A. A., Rezigalla, A. A., El-Wakeel, H. S., Attia, M. A., El-Husseiny, H. M., Al-Noshokaty, T. M., Doghish, A. S., Gaafar, A. G. A., & Saber, S. (2024). Unlocking vinpocetine's oncostatic potential in early-stage hepatocellular carcinoma: A novel approach to oncogenic modulation by a nootropic drug. *PLOS ONE*, *19*(10), e0312572.

El-Dakroury, W. A., Said, A. R., Abdel Mageed, S. S., Senbel, A., Sohail, S. K., Rizvi, S. F., El-Wakeel, H. S., Abdellatif, H., Nandi, P., Nomier, Y. A., Doghish, A. S., & Mohammed, O. A. (2025). Rivaroxaban-loaded lipid carriers integrating EPA oil: A novel paradigm in drug repurposing for colon-targeted oral treatment of ulcerative colitis. *Journal of Drug Delivery Science and Technology*, *109*, 106985.

Computer Skills

- Microsoft Office (Word, Excel, PowerPoint)
- Online teaching & assessment platforms
- Academic databases and electronic resources

Language Skills

- **Arabic:** Native
- **English:** Excellent