



CURRICULUM VITEA (as of October 2025)

Dr. Noha Osama El-Shaer

**Associate professor of Clinical physiology
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PERSONAL INFORMATION

Nationality	Egyptian
Language (s)	English/Arabic
Date of birth	05.08.1986
Family Status	Married
Children	(2) a girl and a boy.

Education:

2018 (August) M.D. (*Medical Physiology*)
Faculty of Medicine, Benha University, Egypt.

Dissertation: Possible Effect of Nesfatin-1 on Renal Ischemia
Reperfusion Injury of Male Rats

2014 (July) M.Sc. (*Medical Physiology*) (*Very good*)
Faculty of Medicine, Benha University, Egypt.
Dissertation: The possible protective effect of N-acetylcystein on
Isoproterenol induced Myocardial Infarction in rats

2009 (Dec.) MBBS (*Medicine and Surgery*) (*Excellence with Honor*)
Faculty of Medicine, Benha University, Egypt.

Employment

2024 – present : Associate professor of Clinical physiology Faculty of Medicine, Benha University, Egypt.

2022 - 2024: Lecturer of Medical Physiology, Faculty of Medicine, Banha National University (BNU), Egypt.

2022 - 2024: Coordinator of Cardiovascular and Renal modules, Faculty of Medicine, Benha National University, Egypt

2021 - 2022: Coordinator of Endocrine module, Faculty of Medicine, Benha University, Egypt.

2020 - 2021: Lecturer of Medical Physiology, Faculty of Medicine, Delta University, Egypt.

2020 - 2021: Lecturer of Medical Physiology, Faculty of Physical Therapy, Benha University, Egypt.

2018 - 2024: Lecturer of Medical Physiology, Faculty of Medicine, Benha University, Egypt.

2018 - Present: Examiner in human Physiology for the Master, and MBBS Degrees in Faculty of Medicine, Benha University, Egypt.

2014 - 2018: Assistant lecturer of Medical Physiology, Faculty of Medicine, Benha University, Egypt.

2011 - 2014: Demonstrator, Medical Physiology, Faculty of Medicine, Benha University, Egypt.

2010 - 2011: Postgraduate Internship, Faculty of Medicine, Benha University, Egypt.

Further attended training courses:

- 2018** ICDL, Faculty of Engineering, Benha University, Egypt.
- 2018** TOEFEL certificate in English Language, Benha University, Egypt.
- 2018** Microsoft word course, Faculty of Engineering, Benha University, Egypt.
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- 2018** English Language courses, Faculty of Arts, Benha University, Egypt.
- 2011** Internet skills. Benha University, Egypt.
- 2011** Microsoft office course, Benha University, Egypt.

Recent conferences and workshops:

- AAPS-ESPS Congress “Towards a New Horizon of Physiology in Africa”, Ismailia, Egypt, 2025.
- 1st International conference for medical education, Suez Canal University, 2022.
- 1st International integrated conference “Revolution of integrated medicine present and future”, Benha Faculty of Medicine, 2022.
- The annual conference for medical physiology, Cairo University, 2022.
- Workshop on “Methods of Exams Evaluation for Modules Coordinators”, Benha Faculty of Medicine, 2022.
- 5th annual medical conference of Ain-Shams Faculty of medicine, 2022.
- Workshop on “student assessment by professor”, Benha Faculty of Medicine, 2021.
- 8th annual medical conference of Benha Faculty of medicine, 2020.
- 2nd Neurobehavioral workshop of Physiology department; FOMSCU, Suez Canal University, 2019.
- Editing Clinical scenario workshop, Military Faculty of Medicine, 2019.

Publications:

- 1- Noha Osama El-Shaer, Targeting Asprosin/Nrf2 Pathway in the Potential Protective Effect of Co-enzyme Q10 and/or Exercise on High-Fat Diet Induced Non-alcoholic Fatty Liver Disease in Rats, Bulletin of Egyptian Society for Physiological Sciences, 2025.
- 2- Noha Osama El-Shaer, Ameliorative effects of sildenafil against carbon tetrachloride induced hepatic fibrosis in rat model through downregulation of osteopontin gene expression, Scientific Reports, 2024.
- 3- Noha O. El-Shaer , Ameliorative effect of resveratrol against type 2 diabetes in rats through triggering of autophagy and inhibition of mTOR pathway , Bulletin of Egyptian Society for Physiological Sciences, 2024.
- 4- Noha O. El-Shaer , Exercise rescues cognitive deterioration in naturally aged rats via PGC1 α /FNDC5/irisin/AMPK signaling pathway to restore redox, endothelial, and neuronal homeostasis, Bulletin of Egyptian Society for Physiological Sciences, 2024.

- 5- Noha O. El-Shaer ,Probiotic Lactobacillus Acidophilus prevents bone loss in aged osteoporosis in rats; the possible implication of NLRP3 inflammasome , Bulletin of Egyptian Society for Physiological Sciences,2023.
- 6- Noha O. El-Shaer , Protective effect of Vitamin D against type II diabetic nephropathy in rats: a possible role of adropin , Bulletin of Egyptian Society for Physiological Sciences,2023.
- 7- Noha O. El-Shaer , Protective effect of quercetin on pulmonary dysfunction in streptozotocin-induced diabetic rats via inhibition of NLRP3 signaling pathway, Environmental Science and Pollution Research, 2023.
- 8- Noha O. El-Shaer , Ameliorative Impacts of Wheat Germ Oil against Ethanol-Induced Hepatic and Renal Dysfunction in Rats: Involvement of Anti-Inflammatory, Anti-Apoptotic, and Antioxidant Signaling Pathways, Life,2022.
- 9- Noha O. El-Shaer , Ghrelin ameliorated inflammation and oxidative stress in isoproterenol induced myocardial infarction through the endothelial nitric oxide synthase (eNOS)/nuclear factor erythroid 2-(NRF2)/heme oxygenase-1 (HO-1) signaling pathway, Journal of physiology and pharmacology, 2021.
- 10- Noha O. El-Shaer ,Irisin contributes to the hepatoprotective effect of vitamin D in a choline deficient diet induced nonalcoholic fatty liver disease rat model, Bulletin of Egyptian Society for physiological Sciences, 2021.
- 11- Noha O. El-Shaer, Possible Effect of Nesfatin-1 on Renal Ischemia -Reperfusion Injury of Male Rats, Benha Medical Journal, 2018.
- 12- Noha Osama El-Shaer, possible protective effect of N-acetylcystein on Isoproterenol induced Myocardial Infarction in rats, Benha Medical Journal, 2014.