

Noha Ibrahim Hussien

Professor of medical physiology
Benha, faculty of Medicine
Benha University , Egypt

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PERSONAL INFORMATION

Nationality	Egyptian
Language (s)	English/Arabic
Date of birth	1.09.1979
Family Status	Married
Children	A girl and two boys.

Google Scholar Feb. 2025 : Citations **561**
H-index : 13
Hi -index: 16

Educational experience

- Program evaluation and Quality Assurance.
- Medical Education.
- Curriculum development and innovation.
- Medical student's assessments.
- International affairs

Special achievements

- Research publications in international refereed journals and conference proceedings.
- Presentation of research findings at national scientific conferences.

Education and Fellowships:

2011 Ph.D, Clinical Physiology
College of Medicine, Benha University. Egypt.
Dissertation : A possible role of vitamin E in metabolic changes induced by chronic stress in rats.

2007 *M.Sc. (General human Physiology)(Excellent)*
College of Medicine, Benha University. Egypt.
Dissertation : Role of nitric oxide on corticosterone, blood glucose and lipid profile levels under different types of stress.

2002 *MBBS (very good)*
College of Medicine, Benha University. Egypt.

Employment

2022- current Benha University , professor of Clinical Physiology in Physiology Department, College of Medicine, Benha University,Egypt.

2018- current Benha University , Assistant Prof of Clinical Physiology in Physiology Department, College of Medicine, Benha University,Egypt.

2016-present Assistant Prof of Physiology. College of Medicine , Benha University,Egypt

2011-2016 Lecturer of Physiology. College of Medicine , Benha University,Egypt

2007-2011 Assistant lecturer of Physiology. College of Medicine . Benha University ,Egypt

2004-2007 Demonstrator, Physiology , College of Medicine, College of Medicine Benha University ,

2024 The 11th Scientific conference - physiology department- Faculty of benha University, March -2024.

2023 The 10th Scientific conference - physiology department- Faculty of benha University, March -2023.

2022 The 9th Scientific conference - physiology department- Faculty of benha University, March -2022.

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2020 The 4th Scientific conference - physiology department- Faculty of medicine- Ain Shams University, 23 November -2020.

2020 The 3rd Scientific conference - pathology department- Faculty of medicine- Ain Shams University, 23 November -2020.

2020 A workshop on program for Blue Blue Button within the e-learning platform held on 29 December 2020.

2019 Further courses attended and training: The 8th Annual conference of Faculty of Medicine, Benha University, 27th -28th November 2019.

2019 The 3rd Scientific conference - physiology department- Faculty of medicine- Ain Shams University, 16-22 March -2019.

2018 European accreditation council for continuing medical education .the 2nd annual conference of physiology department, the 39th annual Ain Shams Medical Congress.

2017 Microscopic techniques between past and present and the scientific quotation between similarity and plagiarism, Benha university.

2016 Multidisciplinary approaches towards healthy aging, physiology department ,Menoufia University.

2015 Workshop about stem cell between research and applications, held by Histology department in collaboration with Benha CME.

2014 Training course about programs and courses specification, in Benha faculty of medicine in collaboration with national authority for Quality Assurance and Accreditation of education.

2013 The annual medical Conference of Benha faculty of medicine titled improving health care and emergency services in delta region, 23-26 April, 2013.

2012 The 6th annual scientific conference of medical physiology department faculty of medicine Mansoura University titled Neovascularization from basic science to clinical applications.

2012 The annual medical Conference of Benha faculty of medicine titled medical education between quality and accreditation.

Examiner in human Physiology for the Doctorate, Master, and MBBS Degrees in Benha university.

Examiner in human Physiology for the MBBS Degrees in medical engenering- Benha university.

Examiner in human Physiology for the MBBS Degrees in faculty of nursery- Benha university.

Examiner in human Physiology for the MBBS Degrees in faculty of physical therapy- Benha university.

Chairman/ Member of several evaluation and examination panels for Master and Doctorate Thesis in Benha university.

Publications:

(27) Nesrine Ebrahim, Hajar A Al Saihati, Zahraa Alali, Faris Q Aleniz, Sabry Younis Mohamed Mahmoud, Omnia A Badr, Arigue A Dessouky, Ola Mostafa, **Noha I Hussien**, Ayman Samir Farid, Mohamed El-Sherbiny, Rabab F Salim, Nicholas Robert Forsyth, Fares EM Ali, Nimer F Alsabeeleah. Exploring the molecular mechanisms of MSC-derived exosomes in Alzheimer's disease: Autophagy, insulin and the PI3K/Akt/mTOR signaling pathway

(26) Nesrine Ebrahim, Hajar A Al Saihati, Ola Mostafa, Amira Hassouna, Sameh Abdulsamea, Eman Abd El Aziz M. El Gebaly, Nashwa Hassan Abo-Rayah, Dina Sabry, Mohamed El-Sherbiny, Abdelmonem G Madboly, **Noha Ibrahim Hussien**, Raja El Hasnaoui Saadani, Hasnaa Ali Ebrahim, Omnia AM Badr, Nehal M Elsherbiny, Rabab F Salim. Prophylactic evidence of MSCs-derived exosomes in doxorubicin/trastuzumab-induced cardiotoxicity: beyond mechanistic target of NRG-1/erb signaling pathway. **2022. International Journal of Molecular Sciences 23 (11), 5967**

(25) **Noha I Hussien**, AM Mousa, AA Shoman. Decreased level of plasma nesfatin-1 in rats exposed to cell phone radiation is correlated with thyroid dysfunction, oxidative stress, and apoptosis. **2022, Archives of physiology and biochemistry**, 1-7

(24) **Noha I Hussien**, HI El-kerdasy, SM Sorour, AA Shoman. Chronic oestrogen deficiency induced by ovariectomy may cause lung fibrosis through activation of the renin-angiotensin system in rats. **2022, Archives of Physiology and Biochemistry**, 1-10

(23) MH Muhammad, **Noha I Hussien**, SK Elwia. Vitamin D Replacement Mitigates Menopause-Associated Dyslipidaemia and Atherogenic Indices in Ovariectomized Rats; A Biochemical Study. **2020, Experimental and Clinical Endocrinology & Diabetes** .128 (03), 144-151

(22) **Noha I Hussien**, MA Elawady, MM Elmaghribi, MH Muhammad. Impact of Thymoquinone on Memory Deficit-associated with Global Cerebral Ischemia-Reperfusion Injury in Rats; Possible Role of PPAR- γ . **2020, American Journal of Biomedical Sciences** 12 (1)

(21) **Noha I Hussien**, HS El-Wakeel, SM Souror, IA Ahmed. Alleviation of cardiac mitochondrial dysfunction and oxidative stress underlies the protective effect of vitamin D in chronic stress-induced cardiac dysfunction in rats. **2019, Gen Physiol Biophys**. 38 (1), 51-61

(20) **Noha I. Hussien1** , Hend S. El-wakeel1 , Safwa M. Souror2 and Inas A. Ahmed3 Alleviation of cardiac mitochondrial dysfunction and oxidative stress underlies the protective effect of vitamin D in chronic stress-induced cardiac dysfunction in rats *Gen. Physiol. Biophys.* (2019), 38, 51–61

(19) Nesrine Ebrahim 1,2, Inas A. Ahmed 3,4, **Noha I. Hussien** 5, Arigue A. Dessouky 6, Ayman Samir Farid 7,* , Amal M. Elshazly 8, Ola Mostafa 1, Walaa Bayoumie El Gazzar 3, Safwa M. Sorour 9, Yasmin Seleem 9, Ahmed M. Hussein 10 and Dina Sabry 11,12: Mesenchymal Stem Cell-Derived Exosomes Ameliorated Diabetic Nephropathy by Autophagy Induction through the mTOR Signaling Pathway. *Cells* 2018, 7, 226; doi:10.3390/cells7120226.

(18) **Hussien NI**, Sorour SM, El-kerdasy HI, Abdelrahman BA. The glucagon-like peptide-1 receptor agonist Exendin-4, ameliorates contrast-induced nephropathy through suppression of oxidative stress, vascular dysfunction and apoptosis independent of glycaemia. *Clin Exp Pharmacol Physiol*. 2018;45:808–818. <https://doi.org/10.1111/1440-1681.12944>

(17) **Noha I. Hussien**, Hanan I. El-kerdasy, and Mohammad El-tantawy Ibrahim. Protective effect of rimonabant, a cannabinoid receptor 1 antagonist, on nonalcoholic fatty liver disease in a rat model through modulation of the hepatic expression of activin A and follistatin. *Can. J. Physiol. Pharmacol.* 2017;1-9.

(16) **NI Hussien**, N Ebrahim, OM Mohammed, D Sabry. Combination of Obestatin and Bone Marrow Mesenchymal Stem Cells Prevents Aggravation of Endocrine Pancreatic Damage in Type II Diabetic Rats. *International journal of stem cells* 10 (2), 129

(15) Nesrine Salem, Mohamed Y Salem, Mohammed M Elmaghribi, Moataz A Elawady, Mona A Elawady, Dina Sabry, Ashraf Shamaa, Abdel-Haleem H Elkasapy, **Noha Ibrahim**, Azza Elamir. Does vitamin C have the ability to augment the therapeutic effect of bone marrow-derived mesenchymal stem cells on spinal cord injury? *Neural Regen Res.* 2017 Dec; 12(12): 2050–2058.

(14) **NI Hussien**, AM Mousa. Could nitric oxide be a mediator of action of oxytocin on myocardial injury in rats?(Biochemical, histological and immunohistochemical study). *General physiology and biophysics*.2016. 35 (3), 353-362

(13) MM Alaam, **NI Hussien**. A comparative study between the effect of 17-β estradiol and angiotensin converting enzyme inhibitor on osteoporosis in ovariectomized rats. *General physiology and biophysics*.2016. 35 (4), 433-441

(12) **NI Hussien**, HT Emam. The potential protective effects of erythropoietin and estrogen on renal ischemia reperfusion injury in ovariectomized rats. *Alexandria Journal of Medicine*.2015 52 (4), 325-335

(11) OA EL-Gohary, **NI Hussien**. Effect of exercise and quercetin on obesity induced metabolic and renal impairments in albino rats. *J Phys Pharm Adv.*2015. 5, 589-602

(10) **NI Hussien**, AA ShomanThe protective role of vitamin E and angiotensin II receptor blocker in diabetic cardiomyopathy in male albino rats *Benha Medical Journal*.2015. 32 (1), 20

(9) **NI Hussien**.Does Inhibition of Arginase and Advanced Glycation End Products Provide a Protection Against Experimentally Induced Diabetic Nephropathy?2015.*american journal of biomedical science*.

(8) **NI Hussien** ,Hepatoprotective Potentials of Ghrelin and/or N-acetyl Cysteine in Thioacetamide Induced Chronic liver injury in rats.2015.*cairo medical journal*.

(7) **NI Hussien** ,OA EL-goharyEffect of vitamin E on oxidative and apoptotic damage induced by streptozotocin in rat pancreas. *benha medical journal* 31 (1), 159-175

(3)AA Shoman,**NI Hussien**, Cardiac apoptosis as a possible cause of diabetic cardiomyopathy

1-The possible anti-oxidant effect of vitamin D on renal ischemia reperfusion inj male rats: role of peroxisome proliferator activated receptor(

2- Assessing cardioprotective effect of erythropoietin in uremic cardiomy through modulation of nuclear factor kappa- β and associated proinflam cytokines.

3- The Potential Protective Effect of Probiotics on High-Fat Diet-In Cardiomyopathy in Male Albino Rats; the Possible Role of Peroxisome Prolif Activated Receptor- Gamma (PPAR- γ).

protective role of alpha lipoic acid and Losartan in diabetic rats INTERNATIONAL JOURNAL ADVANCED RESEAR,2014. 2 (11), 325-337

(6)AAShoman, **Noha I. Hussien**Effect of Obesity and Passive Smoking on Biochemical and Histopathological Changes in Rat Liver and the Protective Effect of Exercise. **Journal of 2013,Exercise Physiology online 16 (4), 101-111**

(5) AASMD **NI Hussien** MD Hanan T. Emam M.D.1, Abd El Moneim G. Madbouly M.D.2THE POSSIBLE PROTECTIVE ROLE OF CANDISARTAN ON CYCLOSPORINE INDUCED NEPHROTOXICITY IN RATS **the medical journal of cairo university 2013.81 (1), 271-278**

(3)IH Hanan T. Emam, Ghada A. Abd El FattahTHE POTENTIAL BENEFICIAL EFFECTS OF PERINDOPRIL OVER CLONIDINE ON DIABETIC NEPHROPATHY IN RATS. **benha medical journal 2013.29 (2), 205-226**

(2)Abeer A. Shoman, **Noha I. Hussien**Effect of Selenium on Carbimazole Induced Alterations in Testicular Function in Albino Rats **benha medical journal 2012,29 (3), 599-61**

(1)IH Hanan T. Emam, Ghada A. Abd El Fattah **Noha I. Hussien** ,THE POTENTIAL BENEFICIAL EFFECTS OF PERINDOPRIL OVER CLONIDINE ON DIABETIC NEPHROPATHY IN RATS. **benha medical journal.2012. 29 (2), 205-226**

PhD/M.Sc supervision:

4-Effect of exercise and/or antioxidant on klotho gene mRNA expression during oxidative stress in renal tissue of albino rats.

5- Effect of exercise and/or antioxidant on klotho gene mRNA expression during oxidative stress in rats cardiac tissue.

6- The potential effect of vitamin D on rats with fatty liver induced by choline deficient diet.

7- The potential protective effect of caloric restriction on insulin resistance induced by high fructose diet: the role of autophagy.

8- Effect of vitamin D and/or exercise on lipid profile, insulin resistance and blood pressure on ovariectomized female rats.

9- Role of (isoflavone) on memory in rat model of surgically induced menopause; possible role of glutamate and gamma amino butyric acid.

10-Assessing cardioprotective effect of erythropoietin in uremic cardiomyopathy through modulation of nuclear factor kappa- β and associated proinflammatory cytokines