

CURRICULUM VITAE

PERSONAL INFORMATION



Full Name : Dr. Mohammed Elshiekh Saeed (PhD)
Date of birth : March 11, 1978
Place of Birth : Northern State, Sudan
Gender : Male
Nationality : Sudanese
Marital status : Married (3 kids)
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Khartoum, Sudan
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ACADEMIC/PROFESSIONAL PARTICULARS

Field of Specialization

PhD Medical Physiology

Academic Qualifications

YEAR

INSTITUTION

1/1/2021 – to now

Associate Professor of Physiology, Faculty of Medicine and Health Sciences, University of Dongola, Dongola

2013 - Nove 2016

PhD in Medical Physiology, School of Medicine, Tehran University of Medical Sciences, Tehran, Iran (grade: 17.52/20). Thesis Title: Effects of erythropoietin in

conjunction with ischemic preconditioning on renal ischemia/reperfusion injury in rats

2006 - Sept 2008

M.Sc in Medical Physiology, Faculty of Medicine, University of Gezira, Wad Medani, Sudan (grade: 3.21/4).
Thesis Title: Relationship between age of menarche, socioeconomic factors and anthropometric measurements

1999 - 2003

B.Sc in Basic Medical Sciences, Omdurman Islamic University, Khartoum, Sudan.

Academic and Administration Positions Held

Date	Academic and administration Positions
1/1/2021 – to now	Associate Professor (Full Time) – Department of Physiology, Faculty of Medicine and Health Sciences, University of Dongola, Dongola.
12/9/2019 – to now	Assistant Professor (Part Time) - Department of Physiology, Faculty of Medicine, National University-Sudan
16/11/2016 – 31/12/2020	Assistant Professor (Full Time) - Department of Physiology, Faculty of Medicine and Health Sciences, University of Dongola (integrated, Problem based curriculum)
1/5/2018 – 1/4/2020	Coordinator of evaluation, quality and performance development of the faculty – Faculty of Medicine and Health Sciences, University of Dongola
8/9/2018 – 8/12/2019	Chairperson. Department of Physiology, Faculty of Medicine and Health Sciences, University of Dongola
2/9/2018 – 2/1/2019	Assistant Professor (Part Time), Department of Physiology, Faculty of Medicine, Africa International University
3/4/2018 – 16/4/2018	Assistant Professor (Visitor) - Department of Physiology, Faculty of Medicine, University of Albutana (integrated, Problem based curriculum)
16/4/2017 – 21/4/2017	Assistant Professor (Visitor), Department of Physiology, Faculty of Medicine, University of West Kordofan (integrated, Problem based

curriculum)

1/2/2013 – 1/8/2016	PhD Candidate – School of Medicine, Tehran University of Medical Sciences
1/4/2008 – 9/1/2013	Lecturer (Full Time) – Department of Physiology, Faculty of Medicine and Health Sciences, University of Dongola
1/5/2006 – 31/3/2008	Teaching Assistant (Full Time), Department of Physiology, Faculty of Medicine and Health Sciences, University of Dongola

Academic Honors and Awards

Feb, 2013 – Nove, 2016	Awarded Diamond Tuition-waiver scholarship to study PhD, International campus of Tehran University of Medical Sciences (TUMS)
April, 2006 – March, 2008	Awarded scholarship to study MS.c - Ministry of Higher Education and Scientific Research, Sudan
Dec, 2003	Prize in neuroanatomy - Faculty of Basic Medical Sciences, Omdurman Islamic University, Sudan

Membership of Professional Bodies

- Academic Secretary of Sudanese Physiological Society
- Sudanese Physiological Society.
- African Association of Physiological Sciences (AAPS)
- Scientific advisory board of International Journal of Medicine in Developing Countries.
- Accreditation committee, Faculty of Medicine and Health Sciences, University of Dongola

Language Proficiency

- Arabic Mother language
- English Excellent

Research Students Supervised/Trained

- Master Student 12 students
- Undergraduate Student 21 students

Participation in Thesis and Oral Examination Committees

- Master students⁷ 10 examination committees

Conferences and Workshops Attended

- 25 – 27 May, 2016 3rd International Congress of Veterinary Pharmacology & Pharmaceutical Sciences, Shahrekord, Iran. Presented a paper titled: Ischemic preconditioning in conjunction with erythropoietin up-regulates iNOS and eNOS gene expression in renal ischemia reperfusion injury
- 25 – 27 May, 2016 3rd International Congress of Veterinary Pharmacology & Pharmaceutical Sciences, Shahrekord, Iran. Poster titled: Evaluation of proteinuria, blood pressure and oxidative stress in rats with experimental chronic kidney disease
- 6 – 8 February, 2016 8th International Congress of Laboratory and Clinic. 1st National Congress of Basic Medical Sciences and the Knowledge-based Production, Tehran, Iran. Presented a paper titled: Ischemic preconditioning in conjunction with erythropoietin reduces renal damage and catalase activity induced by ischemia reperfusion
- 6 – 9 September, 2015 22th International Iranian Congress of Physiology & Pharmacology, Kashan, Iran. Presented a paper titled: Erythropoietin in conjunction with ischemic preconditioning reduces renal oxidative stress and attenuates ischemia/reperfusion injury
- 10 –12 June 2015 International Congress of Nephrology and Urology, Tehran, Iran. Presented a paper titled: The anti-oxidant effect of recombinant human erythropoietin and ischemic preconditioning on renal ischemia reperfusion injury in rats

24/11/2020-26/11/2020	Medical education
6/10/2016	Ethics in publication
23/7/2016–24/7/2016	Mass spectrometry (training and workshop)
4/10/2015–5/10/2015	Scientific writing
12/09/2011–16/09/2011	Research Methodology
13/03/2011–17/03/2011	Teaching and Learning
26/12/2010–30/12/2010	Assessment and Evaluation
28/10/2010-2/11/2010	Course design and management

PUBLICATIONS

1. Malla Khedir M, Saeed A, Abushouk A, Mohammed N, **Elshiekh M**. Expression and Association of MTNR1A Gene and Circadian Clock Genes in Different Stages of Breast Cancer in MCF - 7 Breast Cancer Line. *IJSR*. (2021) 10(9) 1128 – 1134.
2. Abdelaziz MO, **Elshiekh M**, Mustafa AE, Alzain MA. Prevalence of Overweight, Obesity and Underweight among Adolescents in the Secondary Schools of Dongola City, Northern Sudan in 2019. *Sudan Journal of Medical Sciences*. **Under review**
3. Abdelaziz MO, Alzain MA, Elshiekh M, Asweto CO, Elsser NE, et al. Prevalence, awareness, and social determinants of hypertension: A cross-sectional study in Northern State, Sudan. *Jordan Journal of Applied Science*. (2020) 14. 1- 13.
4. Alzain MA, Haruwn MH, Abdelaziz MO, **Elsheikh M**, Asweto CO, Algahtani F, et al. Association between cholera outbreak and traditional gold mining in Northern State, Sudan 2017: A case series study. *J Global Infect Dis* (2021) 0;0:0.
5. Osman A, Awad Alkareem N, Elawad B, Dawod G, **Elshiekh M**. Impact of gender, C-reactive protein and body mass index on erythropoietin resistance index in maintenance hemodialysis patients. *J Renal Endocrinol*. (2020) 2021;7:e04.
6. Elshiekh M, Kadkhodae M, Seifi B, Ranjbaran M (2019). Additional effects of erythropoietin pretreatment, ischemic preconditioning, and N-acetylcysteine posttreatment in rat kidney reperfusion injury. *Turk J Med Sci*. (2019) 49: 1249-1255 (IF: 0.6)

7. Abdelaziz M, **Elsheikh M**, Asweto C, Alzain MA. Prevalence, Awareness, and Associated Factors of Hypertension among Rural Population in Northern State, Sudan. **Processing**.
8. Taha E, **Elshiekh M**, Alzain MA, et al (2018). Reference Ranges of White Blood Cells Count among Sudanese Healthy Adults. *Saudi J. Med.*, Vol-3, Iss-10: 554-559.
9. Taha, E., **Elshiekh, M.**, Alzain, MA., *et al* (2018). Reference Range of Platelets count in Healthy Adult Sudanese. *SAS J. Med*: 171-175.
10. Taha, E., **Elshiekh, M.**, Alborai., AE., Hajo., EY., *et al* (2018). Normal range of white blood cells and differential count of Sudanese in Khartoum state. *Int J Adv Med*. 5(4):784-787
11. Askari H, Abazari MF, Ghoraeian P, Torabinejad S, Nouri Aleagha M, Mirfallah Nassiri R, Tahmasebi F, Abedi N, Rajani SF, Salarian A, Belaran M, **Elshiekh M**, Sanadgol N (2018). Ameliorative effects of hydrogen sulfide on chronic kidney disease-induced brain dysfunction in rats: implication on role of nitric oxide signaling. *Metab Brain Dis*. 33(6):1945-1954.
12. Askari H, Seifi B, Kadkhodae M, Sanadgol N, **Elshiekh M**, Ranjbaran M, Ahghari P (2018). Protective effects of hydrogen sulfide on chronic kidney disease by reducing oxidative stress, inflammation and apoptosis. *EXCLI J*. 2;17:14-23. (IF: 2.11)
13. **Elshiekh M**, Kadkhodae M, Seifi B (2017). Erythropoietin a promising agent in the prevention of renal ischemia reperfusion injury. Review article. *Ann Res Antioxid*. 2(2):e01.
14. Zamanian M, Hajizadeh M, Shamsizadeh A, Moemenzadeh M, Amirteimouri M, **Elshiekh M**, Allahtavakoli M (2017). Effects of naringin on physical fatigue and serum MMP-9 concentration in female rats. *Pharm Biol*. 55(1):423-427. (IF: 2.49)
15. **Elshiekh M**, Kadkhodae M, Seifi B, Ranjbaran M, Askari H (2017). Up-regulation of nitric oxide synthases by erythropoietin alone and in conjunction with ischemic preconditioning in ischemia reperfusion injury of rat kidneys. *Gen Physiol Biophys*. 36(3):281-288. (IF: 1.47)
16. **Elshiekh M**, Kadkhodae M, Seifi B, Ranjbaran M, Ahghari P (2015). Ameliorative Effect of Recombinant Human Erythropoietin and Ischemic Preconditioning on Renal Ischemia Reperfusion Injury in Rats. *Nephrourol Mon*. 29;7(6):e31152.
17. **Elshiekh M**, Ali Mohammed AM (2011). Influence of Socioeconomic Status in the Age at the of Menarche and Duration of Menstrual Bleeding. *Mater Sociomed*. 23(4):195-9.

Research Interest

My research interest focuses on underlying molecular mechanism of kidney ischemia reperfusion injury in more details and repair to find novel treatments to patients of chronic kidney disease. My latest research interest is pathogenesis of oxidative stress as it relates to chronic disease such as cancer, diabetes and neurodegenerative disease.

I have 3 years' experience in kidney injury

- Developed a rat model for evaluate combined effect of erythropoietin and ischemic preconditioning regime on kidney ischemic reperfusion injury.
- Contributed in developing a hemorrhagic shock-induced acute kidney injury rat model to compare protective effects of intracerebroventricular and systemic erythropoietin administration.
- Contributed in developing a 5/6-nephrectomized rat model to examine the reno-protective effects of long-term treatment with sodium hydrosulfide (NaHS), a prominent hydrogen sulfide donor, in 5/6 nephrectomy animal model.

Service as Reviewer

- Annals of Medical Physiology, Ministry of Information And Broadcasting, Government of India, 4/2021
- Pharmaceutical Biology Journal, Taylor & Francis, 2/2020
- International Journal of Medicine in Developing Countries. 7/2019
- E Journal of Cardiovascular Medicine, 5/2019

Membership of Journal Editorial Boards

- Scientific advisory board of International Journal of Medicine in Developing Countries. 2/2019

Practicing Activities

- Immunohistochemistry
- ELISA
- Cell culture methodologies
- Flow cytometry

- SDS polyacrylamide gel electrophoresis (SDS-PAGE)
- Western-Blotting
- RT-PCR
- Stereotaxic apparatus (Rat)

Professional References

- Dr. Mohamed Osman Abdelaziz
 - ✓ Associate Professor
 - Dean Faculty of Medicine & Health Science, University of Dongola, Dongola, Sudan
 - ✓ Tel: +249912634357
 - ✓ Email: mosmanomda@uofd.edu.sd or dralomda34@gmail.com
- Dr. Mohammed Hamza
 - ✓ Associate Professor of Physiology
 - ✓ Faculty Vice-Dean, Faculty of Medicine and Surgery, National University-Sudan (former)
 - ✓ Hamad Bin Khalifa University, Qatar
 - ✓ Tel: 0097450126771
 - ✓ Email: mhamza1st@yahoo.com
- Prof. Abbas O. Elkarib
 - ✓ Professor of Physiology & Pediatrics
 - ✓ Dean Faculty of Medicine and Surgery, National University-Sudan, Khartoum, Sudan
 - ✓ Tel: 00249912287020
 - ✓ Email: abbas.omer.me@nu.edu.sd
- Prof. Mehri Kadkhodae
 - ✓ School of Medicine, Tehran University of Medical Sciences, Tehran, Iran
 - ✓ Tel: ۰۰۹۸۹۱۲۱۰۹۸۲۱۱
 - ✓ Email: kadkhodm@tums.ac.ir