*The Significance of Hypoxia as a Molecular and Cellular Event in Patients with Toxic and Non-Toxic Goitre: A Statistical Inference Based on Cross-Sectional Analytic of Iraqi Patients*

**Mohammed Assi** 1, 2,**Samia Elewi** 1, **Ahmed Al-Imam** 3, 4, 5, 6, **Basem Ahmed** 7

1. Department of Anatomy, Histology, and Embryology, College of Medicine, Al-Mustansiriya University, Iraq.
2. Member of the Royal College of Pediatrics and Child Health, United Kingdom.
3. Department of Anatomy and Cellular Biology, College of Medicine, University of Baghdad, Iraq.
4. Department of Postgraduate Medicine, School of Life and Medical Sciences, University of Hertfordshire, United Kingdom.
5. The Canadian Association for Neuroscience
6. The Japanese Association of Anatomists
7. Department of Pathology and Forensic Medicine, College of Medicine, Al-Mustansiriya University, Iraq.

**MANUSCRIPT METRICS**

Total number of words/ 3065 words

Total number of page/ 18 pages

Total number of illustrations/ one table only

Source of Funding: No external funding, this study was entirely self-funded.

Conflict of Interest: None

**CORRESPONDING AUTHOR**

Dr Ahmed Al-Imam:

Department of Anatomy and Cellular Biology,

College of Medicine, University of Baghdad,

Bab Al-Moadham, 10053, Baghdad, Iraq.

Email: [tesla1452@gmail.com](mailto:tesla1452@gmail.com) **|** [a.m.al-imam@herts.ac.uk](mailto:a.m.al-imam@herts.ac.uk)

Phone number: +964 (0) 771 433 8199

ResearchGate Account: <https://www.researchgate.net/profile/Ahmed_Al-Imam>

Scopus Account: <https://www.scopus.com/authid/detail.uri?authorId=57191594132>

Scopus Author ID: 57191594132

**CONTRIBUTION OF AUTHORS**

Mohammed Assi (MA) was responsible for the study design, data collection and tabulation, histopathological analyses, and the review of literature. Samia Elewi (SE) was responsible for study design, supervision of the study, review of literature, and editing the first draft of the manuscript. Ahmed Al-Imam (AAI) was responsible for data tabulation, statistical analyses, and writing the first draft of the manuscript. Basem Ahmed (BA) was responsible for histopathological analyses including immunohistochemical procedures.