Tuqa Mohammed Abdulsahib Al-Taie

Applied Embryology Specialist | Assisted Lecturer
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Baghdad, Iraq



EDUCATION

MSc in Applied Embryology | Al-Nahrain University, Baghdad, Iraq

- Specialized in gametogenesis, fertilization, embryonic development, assisted reproductive technologies (IVF, ICSI, IUI), and congenital abnormalities
- Master's thesis: "Evaluation of Inhibin B and FSH in Serum and Seminal Plasma in Different Groups of Infertile Men"

Bachelor of Veterinary Medicine and Surgery | Baghdad University, Baghdad, Iraq

WORK EXPERIENCE

Lecturer, Department of Applied Embryology | August 2021 – Present
High Institute for Infertility Diagnosis and Assisted Reproductive Technologies, Al-Nahrain University

- Teach master's students in histology, embryology, assisted reproductive technologies, and experimental embryology
- Serve on examination committee for four consecutive years
- Head the Women's Affairs Unit, managing administrative and organizational responsibilities
- Gained hands-on experience in IVF and andrology laboratories, including sperm cryopreservation and assisted reproductive techniques

Laboratory Specialist (Embryologist) | December 2022 – June 2023
Assisted Reproductive Technologies Unit, Al-Nahrain University

- Performed semen analysis, cryopreservation, and sample preparation for assisted reproductive procedures
- Prepared platelet-rich plasma (PRP) for intrauterine, ovarian, and testicular injections to enhance fertility

Faculty Member | December 2019 – July 2021
Presidency of the University of Baghdad

- Performed teaching duties and administrative tasks including preparing official documents and formal correspondence

Voluntary External Lecturer | September 2018 – March 2019
Department of Anatomy and Histology, College of Medicine, Al-Iraqia University

- Taught theoretical embryology and practical histology to second-year medical students in classes exceeding 150 students

PUBLICATIONS

Faisal, G.F., Yaseen, R.T., Abdul-Saheb, T.M., Burhan, S.A. and Alkawaz, U.M. (2026). Comparing blood serum and seminal plasma stem cell factor concentrations in non-obstructive azoospermic and oligospermic individuals. International Journal of Women's Health and Reproduction Sciences, ***14****, pp. 141–147.*

DOI: *https://doi.org/10.15296/ijwhr.2026.6073*

Flayyih, N.K., Thabit, B., Abdul-Saheb, T.M., Ali, W.A., Mohammed, Z.A. and Al-Saadi, R.A. (2026). Effect of monosodium glutamate on male reproductive histology in mice embryo. Al-Salam Journal for Medical Science, 5(2), pp. 166–173.

Al-Saadi, R.A., Abdul-Saheb, T.M., Al-Ani, B.T., Flayyih, N.K., & Al-Kawaz, U. (2025). Hepatotoxic effects of sildenafil-containing "Tiger King" herbal supplement in a rat model: An in vitro and in vivo study. *Journal of Associated Medical Sciences*, 58(3), 10-24.

Abdul-Saheb, T.M., Burhan, S.A., Hamza, N.A., & Alasadi, A.K.A. (2021). Ratio of Male to Female Infertility in Baghdad Al-Karkh (2015-2020). *Teikyo Medical Journal*, 44(5), 2197-2207.

Al-Anbary, L.A., Al-Taay, T.M., Al-Kawaz, U.M., Selman, M.O., & Al-Anbari, L.A. (2017). Evaluation of Inhibin B and FSH in serum and seminal plasma in different groups of infertile men. *International Journal of Advanced Research*, 5(10), 1965-1975.

SPECIALIZED TRAINING & CERTIFICATIONS

- **Training Course: Application of Using PRP in Infertility Management** | Al-Nahrain University (December 2024)
- **Hands-On Training Workshop: Intrauterine Insemination (IUI)** | Luvian Company (August 2024)
- **Semen Analysis as Recommended by WHO 2021** | Al-Nahrain University (April 2024)
- **IVF Laboratory Setup Series** | QUARTEC & International IVF Initiative (2020) - Completed multiple webinars on culture media, culture conditions, hygiene/sterility, and key performance indicators
- **1st IVF Worldwide Online Congress in Reproductive Medicine** | IVF Worldwide (April 2020)

RESEARCH INTERESTS

In Vitro Fertilization (IVF) and Assisted Reproductive Technologies (ART) • Embryo Development and Quality Assessment • Intracytoplasmic Sperm Injection (ICSI) • Oocyte Maturation • Reproductive Biology and Andrology • Intrauterine Insemination (IUI) • Infertility Diagnostics and Management

TECHNICAL SKILLS

Laboratory Techniques: Semen analysis (WHO 2021 standards), embryo cryopreservation, sperm activation, platelet-rich plasma (PRP) preparation, microscopic examination, embryo handling, IVF/ICSI procedures, IUI techniques

Software & Tools: Microsoft Office Suite (Word, PowerPoint, Excel), laboratory equipment operation, data analysis

PROFESSIONAL MEMBERSHIPS

- **Iraqi Academics Syndicate** | Member (January 2025 – Present)
- **Iraqi Fertility Society** | Member (March 2020 – March 2021)
- **Iraqi Veterinary Medicine Syndicate** | Member (April 2015 – December 2015)