

# Abdelrahman Abdalla Mohamed

Medical Intern (MBBCH) · Clinical & Translational Researcher

Al Ain, UAE / Egypt · +971 50 946 3212 · [abdou301202@gmail.com](mailto:abdou301202@gmail.com)

[ORCID: 0009-0008-8533-9519](https://orcid.org/0009-0008-8533-9519) · [LinkedIn](#)



## PROFILE

Medical intern and early-career researcher with a strong, multidisciplinary research record — 8 publications and conference papers across orthopedics, anesthesiology, cardiology, gastroenterology, and hematology, spanning systematic reviews, meta-analyses, case reports, and observational studies. Hands-on laboratory experience in recombinant protein expression and purification through an international immunology research exchange. Proficient in Python and R for data analysis, automation, and biostatistics. Combines clinical training with research coordination, mentorship, and international collaboration.

## EDUCATION

### Bachelor of Medicine and Surgery (MBBCH)

Expected Mar 2028

October 6 University, Faculty of Medicine — Giza, Egypt

Currently completing the mandatory clinical internship years following the MBBCH bachelor degree.

- **Cumulative GPA: 3.81 / 4.0**

## RESEARCH EXPERIENCE

### Research Exchange (IFMSA-SCORE) — “Recombinant Protein Preparation”

Aug 2023

Department of Immunology, Faculty of Medicine and Dentistry, Palacky University Olomouc, Czech Republic

Supervisor: prof. MUDr. Milan Raska, Ph.D.

- Carried out recombinant protein expression and purification workflows in a research immunology laboratory.
- Gained hands-on experience with molecular and protein-biochemistry techniques in an international research setting.

### Clinical & Academic Research

2024 – Present

Multidisciplinary research under the mentorship of Prof. Mahmoud A. Hafez

- Conduct research across multiple study designs — systematic reviews, meta-analyses, and network meta-analyses, as well as case reports, retrospective studies, and observational research, spanning orthopedics, anesthesiology, cardiology, gastroenterology, and hematology.
- Lead protocol development, PROSPERO registration, study design, data extraction, statistical analysis (including survival analysis), and GRADE evidence assessment; build Python-based literature-screening pipelines (PubMed / Web of Science / Scopus) and use R for synthesis.
- Affiliated with the Egyptian Society for Musculoskeletal Research (EMRA) and the Egyptian Arthroplasty Registry (ECAR).

### Research Coordinator & Supervisor

2024 – Present

Negida Academy — Research Coordinator · Hypothesis Hunters — Research Supervisor

- Coordinate and supervise research teams, mentoring members through study design, screening, data extraction, and manuscript preparation.

## INTERNATIONAL CLINICAL EXCHANGES

### Clinical & Research Exchange

Apr – May 2026

Kazakh National Medical University, Almaty, Kazakhstan (IFMSA) — 2-month placement (extended)

### Clinical Clerkship — General Surgery (IFMSA-SCOPE)

Jul 2024

CHU Hassan II, Fez, Morocco — Supervisor: Prof. Adil Aziz Saada

## TECHNICAL SKILLS

- **Programming & Data:** Python (data analysis, pipeline automation), R, biostatistics
- **Laboratory:** recombinant protein expression and purification, molecular biology techniques
- **Research methodology:** systematic review, meta-analysis & network meta-analysis, survival analysis (Kaplan–Meier), non-inferiority/equivalence trials, GRADE; tools: Rayyan, Litmaps, Elicit, Jamovi, Zotero

- **Medical imaging:** DICOM, 3D Slicer

## PUBLICATIONS & CONFERENCE PAPERS

Full list available on ORCID: 0009-0008-8533-9519. Author name appears as Abdelrahman Abdalla Mohamed.

### Peer-reviewed journal articles

1. Mohamed AH, Hemida MF, Saleh AO, et al. Individualized PEEP guided by electrical impedance tomography versus fixed PEEP in laparoscopic surgery: a systematic review and meta-analysis of effects on postoperative pulmonary complications. *Frontiers in Anesthesiology*. 2026. doi:10.3389/fanes.2026.1758421
2. Hamzah KA, Kurmasha YH, Akoum A, et al. (Mohamed AA, co-author). Predictors of new-onset atrial fibrillation following coronary artery disease: a systematic review and meta-analysis. *Journal of the American College of Cardiology (JACC)*. 2026. doi:10.1016/j.jacc.2026.02.194
3. Gamal M, Wagdy M, Abd El-Nasser M, et al. (Mohamed AA, co-author). ERCP timing in gallstone disease: a meta-analysis of one-stage versus two-stage strategies. *ASIDE Gastroenterology*. 2025. doi:10.71079/ASIDE.GI.123125198
4. Wagdy M, Mohamed AA, Mohamed AA, et al. Dexmedetomidine as an adjuvant to ropivacaine in thoracic paravertebral block: a systematic review with meta-analysis. *ASIDE Internal Medicine*. 2025. doi:10.71079/ASIDE.IM.111725246
5. Al Zoubi B, Ashour M, Al Zu'bi Z, et al. (Mohamed A, co-author). Meta-analysis of oral versus intravenous arsenic in acute promyelocytic leukemia: treatment effectiveness and safety profile. *Clinical Lymphoma Myeloma and Leukemia*. 2025. doi:10.1016/s2152-2650(25)01777-x

### Conference papers & presentations

1. Mohamed AA. Indocyanine green-guided lymphadenectomy in gastrectomy for gastric cancer: a systematic review and meta-analysis. Conference paper, 2026.
  2. Mohamed AA. Early versus delayed weight-bearing after open reduction and internal fixation of tibial plateau fractures: systematic review of randomized controlled trials. *Journal of the Japanese Orthopaedic Association* (121st Annual Meeting). 2026.
  3. Mohamed AA. Kinematic vs mechanical alignment in TKA: what lasts beyond the early years? A systematic review and meta-analysis. *Journal of the Japanese Orthopaedic Association* (121st Annual Meeting). 2026.
- 5 abstracts accepted at the 46th SICOT World Congress, 2026 (4 as first author).

## CERTIFICATIONS

- **Certified International Project Manager** — IFMSA. Project design, stakeholder management, and cross-cultural collaboration across multi-team, cross-border projects.
- **International Climate Advocate** — IFMSA. Completed "Advocacy to Policy Making on Climate Change"; co-drafted a climate-health policy document.

## VOLUNTEERING & ADVOCACY

### Public Health & Awareness Campaigns — Volunteer & Co-Lead

2023 – 2025

International Federation of Medical Students' Associations (IFMSA) — Egypt

- Reached 10,000+ people through public health and awareness campaigns across multiple Egyptian cities, including community convoys, public events, and university sessions.
- **Active member, Volunteers.ae** (UAE) — 111 volunteering hours plus 8 training hours across community, sporting, and international events (e.g., ITS World Congress 2024).

## HONORS & AWARDS

- **Ideal Student Award**, Faculty of Medicine, October 6 University — awarded twice (academic years 2023/2024 and 2024/2025).

## LEADERSHIP & ENTREPRENEURSHIP

### Co-Founder & Manager — Dafoor

2021 – Present

Education-technology platform supporting 2,500+ students in university qualifying examinations.

- **President**, Medical Sustainability Group, October 6 University (2024/2025); former Vice-President and National Officer roles within OSSS (student scientific society).