MOTAZ MAZEN AL-QAWASMA

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Profile

Third-year medical student at Alexandria University (94% average over Years 1 and 2) aiming for neurosurgery. First author on six neurology and neurosurgery research projects: a meta-analysis of randomized trials now under review at Clinical Neurology and Neurosurgery, two PROSPERO-registered systematic reviews, and two cross-sectional studies I lead as principal investigator.

Education

MBBCh, Medicine and Surgery Oct 2024–2029 (expected)
Faculty of Medicine, Alexandria University, Alexandria, Egypt

- Average 94% over Years 1 and 2 (Year 1: 95%; Year 2: 94%), about 3.76 on a 4.0 scale; currently in Year 3, public health track

Research experience

Hematoma Location as an Effect Modifier of Surgical Evacuation in Spontaneous Intracerebral Hemorrhage: A Systematic Review and Meta-Analysis of RCTs
Lead author and guarantor | PROSPERO CRD420261496889 | Under review, Clinical Neurology and Neurosurgery (Elsevier)

- Completed the full review, from 25 identified trials to 12 RCTs pooled in 4 random-effects meta-analyses (REML), by running blinded dual screening, extraction and RoB 2 with a co-reviewer, modeling in jamovi and RevMan, and rating certainty with GRADE
- Answered the question with a formal interaction test (ratio of effect estimates 1.23, 95% CI 0.85 to 1.78, p = 0.279; GRADE very low) rather than indirect between-trial comparisons
- Won the Best Research Paper Award (6th place) at TSRC 2026 by presenting the review as a 10-minute oral talk, my first
- Obtained an offer of unpublished location-stratified data from the MIND trial sponsor by writing to the corresponding authors of 5 trials (ENRICH, MIND, MISTIE III, SICHPA and a 2017 operative trial)

Effectiveness of Non-Wearable Remote and Ambient Monitoring Technologies for Detecting and Preventing Wandering and Falls in Adults with Alzheimer's Disease and Related Dementias
Systematic review | Lead author | PROSPERO CRD420261483147 | Analysis stage

- Screened 435 records from 6 databases (PubMed, Scopus, Embase, Cochrane Library, Web of Science, IEEE Xplore) down to 2 included studies (5 reports), by leading a 4-reviewer team through blinded paired screening in Rayyan
- Made the review reproducible by registering the protocol on PROSPERO, reporting each amendment, and publishing the full search strategy on Zenodo
- Drafted and submitted a seed-fund application with a week-by-week timeline and an itemized budget

Autistic Traits, ADHD Symptoms and Academic GPA Among Medical Students Ethics review
Cross-sectional study | Principal investigator | Supervisor: Dr. Aya Maged Hamza, Neuropsychiatry, Alexandria University

- Took the study to ethics submission (Alexandria Faculty of Medicine, Oct 2026) with a target sample of 463, by writing the full protocol, the analysis plan and a 68-item Arabic survey built on the AQ-50 (Cambridge Autism Research Centre) and the ASRS v1.1

Helmet Use and Traumatic Brain Injury Among Road Traffic Accident Patients Ethics submission
Prospective hospital-based study, Alexandria Main University Hospital | Principal investigator

- Redesigned the study with my supervisor from roadside interviews into prospective hospital enrollment, comparing TBI grade (none, mild, moderate, severe) between helmeted and unhelmeted motorcyclists, other road users, and people struck by motorcycles

Predictors of Conversion from External Ventricular Drainage to Ventriculoperitoneal Shunt in Children Protocol stage
Systematic review and meta-analysis | First author

Alzheimer's Disease and Intracerebral Hemorrhage Location Writing stage
Systematic review | First author

Awards and presentations

Best Research Paper Award, 6th place among oral presentations Oct 2026
1st Tanta Students' Research Conference (TSRC 2026), Faculty of Medicine, Tanta University

Oral presentation: ICH meta-analysis (certificate of presentation) Oct 2026
1st Tanta Students' Research Conference (TSRC 2026), Faculty of Medicine, Tanta University

Science communication

#NeuroMot, short explainers of neurology papers and neurology history cases 2026 to present

- Published 59 educational posts since September 2026, reaching about 7,700 views and impressions: 54 video posts across YouTube (14), Facebook (14), Instagram (13) and TikTok (13), plus 5 LinkedIn posts on neurology skills (history taking, lesion localization, normal imaging, stroke warning signs, early dementia assessment)
- Built each 40 to 50 second video from a paper in journals such as NEJM, JAMA, Lancet Neurology and Neurology, narrated in my own voice

Research training

- **Clinical Research Course Series C1 to C5**, Negida Academy Aug 2026
- **ICH Good Clinical Practice E6(R3)**, The Global Health Network; score 100% Oct 2026
- **How to Publish a Journal Article Specialization** (7 courses), Sage, Coursera Oct 2026
- **Community Engagement in Global Health Research (EMR)**, The Global Health Network Sep 2026
- **Scientific Writing for Research Grant Proposals**, University of Colorado, Coursera Aug 2026
- **International Publication Course**, AACME, MedPro Training Center Mar 2026
- **Qabas Research Course, Cohort II, with distinction**, Qabas Research Initiative (about 75 hours) Jul–Aug 2026
- **Qabas Meta-Analysis Course**, Qabas Research Initiative Aug 2026

Leadership programs

Aspire Leaders Program, Aspire Institute Mar–Jul 2026

- One of 10,588 finalists out of 50,284 students accepted to Cohort 2; 40 hours of applied coursework on SMART goals, stakeholder mapping and KPIs

Forward Program, McKinsey.org (McKinsey Academy) Completed Nov 2026

Other certificates

- **AI and data:** Neural Networks and Deep Learning and AI for Medical Diagnosis (DeepLearning.AI); AI Fundamentals (Google); Biology Meets Programming: Bioinformatics (UC San Diego) Aug 2026
- **Clinical:** ACLS, PALS and BLS Provider (online, Save a Life by NHCPS, Aug 2025); First Aid and CPR (Middle East Paramedics); Medical Laboratory Training Course (DUPA Lab, 2026); Diabetes Technology (AACME, May 2026)

Memberships and conferences

- **Medical Student Member**, Congress of Neurological Surgeons (CNS) Oct 2026 to present
- **Student Member**, American Academy of Neurology (AAN) Sep 2026 to present
- **Conferences attended:** PedoAlex 2026, Alexandria Pediatric Congress (8 CME, May 2026); GAED Special Topics in Endocrinology: Pituitary Disorders (2 CME, May 2026); 10th Symposium of Biomedical Science (Feb 2026)

Skills

- **Statistics and meta-analysis:** jamovi (general statistics and meta-analysis), RevMan (meta-analysis, forest plots), Excel (data extraction and management in every study)
- **Review methods:** PRISMA 2020, PROSPERO registration, RoB 2, ROBINS-I, Newcastle-Ottawa Scale, GRADE, SWiM; Rayyan (blinded screening), Zotero (references), Zenodo (open data)
- **Languages:** Arabic (native), English (professional working proficiency)