

Arya Babul

Las Vegas, NV

702.848.8983, ababul@sand-ntd.org

Portfolio: ababul.org

EDUCATION GPA (Unweighted: 3.925; Weighted: 4.875); SAT: 1550 (1570 superscore); ACT: 35

West Career & Technical Academy (magnet high school)

2023 – 2027

RESEARCH EXPERIENCE

Research Role: Led study design and project planning; conducted literature search; extracted data for analysis; and helped analyze results. Assisted with interpreting findings and prepared figures and tables for publication. Drafted sections of the manuscript and coordinated revisions with journal reviewers.

- Conducted the five largest network meta-analyses to date evaluating the efficacy and safety of three vasopressors for preventing and treating post-spinal hypotension in cesarean delivery, in collaboration with Professors Free and Desai (UNLV School of Medicine, OB-GYN) and Dr. Ashraf (Director, Critical Care Services, MountainView Hospital)
- Evaluated the comparative efficacy of approved and investigational biologics and JAK inhibitors, two transformative therapeutic classes for pediatric and adult alopecia areata and atopic dermatitis, in collaboration with Drs. Mehta and Soliman (Las Vegas) and Dr. Rajpara, Professor and Chair of Dermatology, UMKC School of Medicine (Kansas City)
- Conducted research on postsurgical pain using intravenous ketoprofen and tramadol, widely used internationally but not available in the U.S., in collaboration with Dr. Gill (University College Hospital, London) and Dr. Ashraf (Director, Critical Care Services, MountainView Hospital, Las Vegas)

PEER-REVIEWED PUBLICATIONS & PRESENTATIONS (See: ababul.org)

Lead Author: Dermatology, Obstetric Anesthesia, Global Health, Public Health & Opioid Use Disorder

- *16 Peer-Reviewed, PubMed Indexed Publications:* International Journal of Dermatology, Indian Journal of Anaesthesia, Journal of Anaesthesia Clinical Pharmacology, Cureus Medical Science Journal & Indian Journal of Dermatology, Venereology and Leprology
- Published systematic reviews & network meta-analysis (8), editorials (5), randomized clinical trial (1), case report (1), and methodologic critique (1) across obstetric anesthesia (5), dermatology (4), neurologic (2), and public and global health (5)
- Responses to Former FDA Commissioner, Dr. S. Gottlieb ([JAMA Health Forum #1](#) & [JAMA Health Forum #2](#)) & Dr. R. Kleinman, Institute for Mental Health Policy Research, Toronto ([JAMA Pediatrics](#))

LEADERSHIP

- Founder & President, [Society for Awareness of Neglected Diseases](#) (SAND), a student-led 501(c)(3) nonprofit dedicated to increasing awareness of neglected tropical diseases (NTD) among high school and undergraduate students pursuing careers in the health sciences
- Built SAND from the ground up by recruiting and managing an executive team; engaging directly with the office of WHO Director-General (Dr. Tedros) in Geneva; establishing an internationally recognized scientific advisory board; developing outreach strategy and content operations; and launching SAND's social media presence ([Instagram](#), [X](#)), growing it to over global 25,000 followers
- Co-editor, Cureus Medical Science Journal [Collection](#) for Neglected Tropical Diseases/Rural Medicine, overseeing peer-reviewed submissions on NTD burden, rural health disparities, and AI tools in global health
- Founder & President, [Summerlin Chess Club](#), providing free chess instruction and mentorship for middle and high school students from historically underserved communities. Built a welcoming, low-pressure environment through structured lessons and guided play, ensuring accessibility for students with limited exposure to enrichment programs.

EXTRACURRICULAR ACTIVITIES

- Shadowing physicians in cardiology, family medicine, critical care & dermatology 2024-2027
- Member, Society for Maternal Fetal Medicine (SMFM) 2025-2027
- Member, American Society of Tropical Medicine & Hygiene (ASTMH) 2026-2027
- Member, International Society for Neglected Tropical Diseases 2026-2027
- Member, ASTMH Committees on Clinical Tropical Medicine & Global Health 2026-2027
- HOSA Club - West Career & Technical Academy 2023-2027
- Member, US Chess Federation 2026-2027
- Robotics Club - West Career & Technical Academy 2023-2027
- FIRST® & VEX Robotics Competition participant (local, national & international) 2023-2027
- Las Vegas Youth Indoor & Outdoor Soccer League 2019-2027

COMMUNITY SERVICE

- Raised ~\$3,000 for WHO's NTD Program through a door-to-door campaign 2025
- Volunteered at 6 multi-level robotics competitions 2023-2027
- Volunteered at an assisted living facility 2025-2027
- HOSA healthcare community service volunteering 2023-2027
- Coordinated weekly activities at the Summerlin Community Chess Club 2025-2027

AWARDS

- 10 Invited Poster Presentations at National Medical Society Meetings (See: ababul.org) 2026
 - American Academy of Dermatology (AAD), Denver
 - American College of Obstetrics and Gynecology (ACOG), Washington, DC
 - International Anesthesia Research Society (IARS), Montreal
 - Society for Maternal-Fetal Medicine (SMFM), Las Vegas
- 5 Invited Podium Presentations at International Medical Conferences (See: ababul.org) 2026
 - World Conference on Neurology and Brain Disorders, France
 - World Conference on Gynecology & Women's Health, Japan
 - 4th International Conference on Dermatology and Cosmetology, Malaysia
 - 7th International Conference on Dermatology and Cosmetology, Spain
 - International Conference on Addiction and Psychiatry, Japan
- National Merit Scholarship High Scorer (PSAT 1500) 2027
- EMT Medical & Trauma Emergency Care Certification (University of Colorado) 2026
- Medical Terminology Certification (Des Moines University) 2026
- Clinical Medical Assistant Certification 2026
- American Heart Association-Approved CPR/AED/First Aid Certification 2025
- First Place, Medical Spelling, HOSA NV State Leadership Conference 2026
- HOSA International Leadership Conference Participant 2026
- FIRST Robotics World Championship Participant 2026
- CollegeBoard AP Scholar with Distinction Award 2026
- CollegeBoard National Recognition Program 2025