

I. **BIOGRAPHICAL DATA**

Name: Dr Aditya Chandrashekhar Aundhakar
Address: 907, 4944 Dalton Dr NW, Calgary T3A2E6
Telephone: +1 4037082536
Email: aditya.aundhakar@ucalgary.ca
Department: Cognitive and Behavioral Neurosciences
Faculty: Clinical and Research Fellow
Institution: University of Calgary

II. **ACADEMIC RECORD**

Final degree: Doctorate in National Board (DrNB)
Date completed: 23rd August 2022
Specialty: Neurology
Institution/City/Country: Jaslok hospital and Research Centre/Mumbai/India

- i. **Undergraduate:** MBBS from August 2008 to February 2013, from Grant Government Medical College, Byculla, Mumbai, India.
- ii. **Medical internship** from 4th March 2013 to 3rd March 2014
- iii. **Post Graduation:** MD General Medicine from 31st May 2015 to 2nd June 2018, at Krishna Institute of Medical Sciences “to be deemed” University, Karad, India.
- iv. **Specialization:** Doctorate in National Board, Neurology, from 24th August 2019 to 23rd August 2022 at Jaslok hospital and Research Centre, Mumbai, India.
- v. **Licensure:** Registered Medical Practitioner in Maharashtra Medical Council (2014/06/2870)
 - Issued first on 16th June 2014
 - Additional qualification of MD General Medicine on 24th July 2018
 - Registration renewed on 29th June 2019
 - Additional qualification of DrNB Neurology on 30th January 2023

III. **AWARDS AND DISTINCTIONS**

1. Maharashtra Talent Search Exam Scholar (2004)
2. Maharashtra Talent Search Exam Scholar (2005)
3. National Talent Search Exam Scholar (2006)
4. Poster presentation, Association of Physicians of India Conference, Kolhapur edition (KAPICON) (2018), 2nd Place.
 - A rare presentation of bullous pemphigoid and alkaptonuria.

5. Poster presentation, Bombay Neurosciences Association (BNA) Meeting October (2020)
 - Odd Jaw spasms, 1st Place.
6. Poster presentation, BNA Meeting December (2020)
 - Unusual cause of different strokes – scarier than the strokes itself, 1st Place.
7. BNA Meeting October 2021
 - Current steering in DBS an Indian Experience, 2nd Place.

IV. ACADEMIC APPOINTMENTS

- Senior Resident in Department of Neurology, Fortis Hiranandani Hospital, Vashi, Navi Mumbai, India
 - Joined as Locum duty from 26th November 2022 till 1st January 2023. Was subsequently offered a full time senior resident post for 1 year from 2nd January 2023 up till 1st January 2024.
- Senior Resident in Department of General Medicine, Krishna Institute of Medical Sciences “to be deemed” University (KIMSUDU), Karad, India
 - Joined on 11th June 2018 up till 22nd August 2019

V. EDUCATIONAL ACTIVITIES

i. Undergraduate training at Grant Government Medical College, Mumbai: In the first year we were trained in basic medical sciences like anatomy, physiology and biochemistry; which required us to actively participate in the dissection of cadavers over a span of one year. We had to partake in conducting various physiologic and biochemical procedure in the laboratories. In the second year we were required to study pathology, microbiology, pharmacology and forensic medicine. We were taught the basic principles of using a microscope and to be able to identify basic histopathology specimens. We were taught different microbiological procedures that were done in our labs and their mechanisms. We learnt about basics of how drugs are developed and to understand pharmacodynamics and pharmacokinetics. In forensic medicine we were made to assist with the autopsies of 10 bodies with medicolegal implications. We were taught and explained the Indian penal code with special emphasis on those laws that pertain to the medical field. In the third year we were taught how to evaluate and manage basic cases in Ophthalmology and Otorhinolaryngology. We were extensively trained in preventive and social medicine (PSM). We had to study the Indian healthcare system with its various social programmes and their implementations with monitoring. We had to train in biomedical waste management courses. In the fourth year we were trained in the major subjects of general Medicine with dermatology and psychiatry included, Surgery with orthopaedics and anaesthesia included, Obstetrics & Gynaecology and Paediatrics.

ii. Internship training at Grant Government Medical College and Sir JJ group of hospitals, Mumbai: We had to rotate periodically in all the above-mentioned departments including radiology for 11 months in total. We were actively involved in basic procedures like blood sample collections and securing intravenous catheter access. We had to help with outpatient as well as inpatient care. One month was reserved for a rural posting. We had to provide medical services at various primary healthcare centres in villages.

iii. Post Graduation in General Medicine at Krishna Institute of Medical Sciences “to be deemed” University (KIMSUDU), Karad, India: We were trained in the field of internal medicine. As Karad was a rural setting KIMSUDU was a tertiary referral hospital. We catered to a huge volume of outpatient, inpatient and emergency services. The highlights were vast experience in addressing snake and scorpion bites, organophosphorus poisonings. In procedures we confidently learnt to secure central lines in the external jugular veins, we did a lot of lumbar punctures, plenty of thoracocentesis and paracentesis. As there was an absence of

specialized doctors we were also trained to assist our single cardiologist with procedures like coronary angiograms, inserting temporary pacemakers and Implantable cardioverter-defibrillator. We even trained in drawing bone marrow samples from the sternum. We extensively mastered addressing tropical infections endemic to the state of Maharashtra, India. In terms of academics we had regular timetables for case discussions and journal clubs. We were required to conduct clinical discussions for the undergraduate students of KIMSDU college every weekly. My thesis topic was 'A study of lipid profile in adults less than 30 years in clinical correlation with anthropometric indices'.

iv. Doctorate in National Board, Neurology, Jaslok hospital and Research Centre, Mumbai, India: We had compulsory daily outpatient department (OPD) exposure, with extensive workup of a variety of neurological cases. We were required to work with 2-3 emergency on-calls every week for 3 years. We dealt with management of various headache syndromes in the OPD setting. We had a rotation in the electrophysiology department for 3 months. Worked in the field of movement disorders with Dr Pettarusp Wadia (Movement disorder Consultant). An adequate experience in managing and conducting independent thrombolysis for acute ischemic strokes in an emergency setting, i.e., 3-4 thrombolysis per month, under the supervision of Dr Fali Poncha (Consultant in Stroke Medicine). Attended Epilepsy clinics and learnt under the guidance of Dr Joy Desai (Epilepsy Consultant). Significant work in cognitive neurology with management of OPD/IPD patients. Relatively less frequent experience in managing patients with Multiple sclerosis and other demyelinating disorders in OPD/IPD. We were involved in conducted tutorials and presentations for hospital staff and junior residents. Attended and presented regularly in journal clubs, case discussions and seminars, with special overview by Dr Sarosh Katrak (Hon Professor emeritus, JHRC). My thesis topic was initially chosen as - Clinical correlation of polysomnographic findings in patients complaining of minimal cognitive impairments but it had to be abandoned in view of a change in hospital policy during the Covid 19 pandemic. My final dissertation topic was Neurological manifestations of Covid 19.

iv. Continuing medical education:

Attended the MDS International Congress 2022, at Madrid, Spain.

VI. ADMINISTRATIVE RESPONSIBILITIES

None so far

VII. PROFESSIONAL ACTIVITIES

None so far

VIII. RESEARCH SUPPORT

None so far

IX. INVITED ADDRESSES

None so far

X. PUBLICATIONS/PRESENTATIONS

i. Peer reviewed manuscripts

- a. Aundhakar, A. C., Aundhakar, S. C., Mane, M., & Khatri, M. A Hospital based Cross Sectional Study Done to Evaluate Prevalence of Dyslipidemia in Age Group of 18-30 Years and Assess the Correlation of Dyslipidemia with Increased Waist-Hip Ratio and BMI. International journal of contemporary medical research.
 - b. M Mane, P Mane, P Prajapati, S Afzalpurkar, Aundhakar A: Effect of Alcohol Consumption on Indices of Serum Iron and Ferritin in a Tertiary Care Hospital of Rural, Maharashtra. International Journal Of Scientific Study, 2015
 - c. Aundhakar, S., Prajapati, P., Prajapati, S., Aundhakar, A., Kothia, D., John, D., & Khatri, M. (2017). Study of clinical and hematological profile of Plasmodium vivax malaria in a tertiary care hospital in Western Maharashtra. International Journal of Scientific Study, 5(3), 257-260.
- ii. Non-peer reviewed journals
- a. Patil, S., Prajapati, P., Prajapati, S., Shaha, P., Mhaskar, D., Gandhi, S., & Aundhakar, A. (2017). A Case of McCune-Albright Syndrome with Fibrous Dysplasia and Endocrinopathies. Research Journal Of Pharmaceutical Biological And Chemical Sciences, 8(2), 352-357.
 - b. 2. Aundhakar, S., Prajapati, P., Prajapati, S., Aundhakar, A., Pandey, Y., Nakum, S., & Yadav, S. (2017). A Study of Cardiac Arrhythmia and Abnormal Electrocardiogram in Patient with Acute Stroke in a Tertiary Care Hospital, Maharashtra, India. Research Journal Of Pharmaceutical Biological And Chemical Sciences, 8(2), 1615-1620.
 - c. Aundhakar, S., Prajapati, P., Shah, B., Desai, A., Aundhakar, A., Mandade, A., ... & Sutariya, N. (2016). Electrolyte disturbances (sodium and potassium) among acute stroke patients at a tertiary care hospital in western, Maharashtra. Journal of evolution of medical and dental sciences- jemds, 5(70), 5127-5130.
 - d. Aundhakar, S., Mane, M., Prajapati, P., Aundhakar, A., Prajapati, S., Chaudhary, V., ... & Patil, A. (2017). Study of Clinical Profile of Plasmodium Vivax Malaria with Hepatic Dysfunction in A Tertiary Care Hospital. Research Journal Of Pharmaceutical Biological And Chemical Sciences, 8(3), 2278-2284.
- iii. Books, chapter
- a. Cerebral venous thrombosis, India Academy of Neurology, Authors: Ojha P. Aundhakar A, Shah A. Maniyar A. (submitted for publication on 24th February 2023)
- iv. Abstracts - published
- a. Aundhakar Aditya, Nanavati Anvit, Mishal Bhushan, Wadia Pettarusp M. A study of seven patients with hemimasticatory spasms: Barriers to treatment and outcomes of botulinum toxin. Annals of Movement Disorders 2022, Volume 5, supplement 1, S55-56

- b. A study of seven patients with Hemimasticatory spasm; barriers to treatment and outcomes of botulinum toxin. *Mov Disord.* 2022; 37 (suppl 1) page S 40
 - c. VM. Mathur, PD. Doshi, AA. Aundhkar, MB. Baldia, PW. Wadia. Directional DBS – Early experiences with “Current steering” in India [abstract]. *Mov Disord.* 2022; 37 (suppl 1). <https://www.mdsabstracts.org/abstract/directional-dbs-early-experiences-with-current-steering-in-india/>. Accessed January 10, 2023.
- v. Communications –
- a. Continuum meeting, Mumbai (Jan 2021)
 - Early onset Alzheimer’s disease (Under mentorship of Dr Sarosh Katrak)
 - b. Continuum meeting, Mumbai (March 2021)
 - Basics of EEG (Under mentorship of Dr Poornima Shah)
 - c. Continuum meeting, Mumbai (June 2021)
 - Electrolyte disturbances and the CNS (Under the mentorship of Dr Steven L. Lewis MD FAAN, Editor in chief for Continuum)
 - d. MDSI meeting, Mumbai (August 2021)
 - Two cases of juvenile jaw opening dystonia (Under mentorship of Dr Pettarusp Wadia)