



# Mohamed Elsherif

**Date of birth:** 01/05/1985 | **Nationality:** Egyptian | **Gender:** Male | **Phone number:** (+49) 1633957542 (Mobile) | **Email address:** [dr\\_mohamed\\_elsherif@yahoo.com](mailto:dr_mohamed_elsherif@yahoo.com) | **Website:** <https://github.com/DrMohamedElsherif> | **LinkedIn:** [linkedin.com/in/drmelsherif](https://www.linkedin.com/in/drmelsherif) | **Address:** Bonhoefferstraße 7, 74354, Besigheim, Germany (Home)

## WORK EXPERIENCE

08/01/2024 – CURRENT Tübingen, Germany

**WORKING STUDENT (NEURO-INFORMATICS)** AIRAMED GMBH

-MR Imaging Interpretation and Segmentation

**Business or Sector** Professional, scientific and technical activities | **Department** Neuro-radiology |

**Email** [mohamed.elsherif@airamed.de](mailto:mohamed.elsherif@airamed.de) | **Website** <https://www.airamed.de/de/startseite>

15/08/2013 – 13/09/2019 Tanta, Egypt

**NEUROSURGERY RESIDENT** DEPARTMENT OF NEUROSURGERY, TANTA UNIVERSITY HOSPITALS

My core duties as a neurosurgery resident included:

1. Assisting in surgeries and procedures under the supervision of attending neurosurgeons.
2. Evaluating and diagnosing patients with neurological disorders.
3. Developing treatment plans and recommendations for patients.
4. Conducting patient rounds, examinations, and consultations.
5. Participating in patient care discussions and multidisciplinary meetings.
6. Interpreting imaging studies and test results.
7. Performing surgical procedures as skills and knowledge progress.
8. Managing post-operative care and monitoring patients' recovery.
9. Engaging in research, scholarly activities and preparing and presenting mortality/morbidity reports.
10. Participating in educational activities and teaching medical students and junior residents.

**Business or Sector** Human health and social work activities | **Department** Neurological Surgery |

**Email** [tanta\\_unv@unv.tanta.edu.eg](mailto:tanta_unv@unv.tanta.edu.eg) | **Website** <https://www.tanta.edu.eg/en/default.aspx>

**Link** <https://med.tanta.edu.eg/EN/env/hosp.aspx>

12/2017 – 06/2018 Minneapolis, United States

**SCIENTIFIC WRITER- NEUROSURGERY** SUPERIOR MEDICAL EXPERTS (SME)

My core duties were:

1. Collecting and scrutinizing patient data.
2. Conducting thorough reviews of relevant scientific literature.
3. Documenting and summarizing research methodologies and findings.
4. Authoring and contributing to scholarly publications; notably, I have taken the lead as the senior author in one of my peer-reviewed articles.

**Business or Sector** Professional, scientific and technical activities | **Address** P.O. Box 130 , 59922, Minneapolis, United States |

**Email** [contact@supedit.com](mailto:contact@supedit.com) | **Website** <https://www.supedit.com>

28/07/2015 – 07/07/2017 Rochester, United States

**CLINICAL RESEARCH FELLOW** DEPARTMENT OF NEUROSURGERY, MAYO CLINIC

As a Clinical Research Fellow in the Neurosurgery Department at Mayo Clinic, my key responsibilities encompass:

1. Leading neurosurgery research initiatives.
2. Recruiting and coordinating participants for studies.

3. Collecting and scrutinizing patient data.
4. Compiling and preparing IRB reports while meticulously adhering to GCP guidelines.
5. Conducting thorough reviews of relevant scientific literature.
6. Collaborating closely with multidisciplinary research teams.
7. Documenting and summarizing research methodologies and findings.
8. Authoring and contributing to scholarly publications and presentations; notably, I have taken the lead as the first author in peer-reviewed articles.
9. Ensuring unwavering adherence to ethical guidelines in research.
10. Actively engaging in continuous professional development. I've also delivered instructive presentations on neuroanatomy and neuroscience to medical students at the Mayo Clinic School of Medicine.

**Business or Sector** Human health and social work activities | **Department** Neurological Surgery |

**Address** 200 First St. SW , 55905, Rochester, United States | **Website** <https://www.mayo.edu>

11/2011 – 08/2013 Giza, Egypt

**EMERGENCY MEDICINE INTERN (PART-TIME)** AL-HAYAT MEDICAL CENTER

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02/11/2011 – 14/08/2013 Tanta, Egypt

**PRIMARY HEALTH CARE PHYSICIAN** ELSALAM MEDICAL CENTER (MINISTRY OF HEALTH AND POPULATION)

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**Business or Sector** Human health and social work activities | **Address** 3 Magles El Shaab St., Tanta, Egypt |

**Email** [nichp@mohp.gov.eg](mailto:nichp@mohp.gov.eg) | **Website** <http://www.mohp.gov.eg>

16/08/2010 – 15/08/2011 Tanta, Egypt

**ROTATING INTERN** TANTA UNIVERSITY HOSPITALS

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**Business or Sector** Human health and social work activities | **Email** [tanta\\_unv@unv.tanta.edu.eg](mailto:tanta_unv@unv.tanta.edu.eg) |

**Website** <https://www.tanta.edu.eg/en/default.aspx>

## ● EDUCATION AND TRAINING

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08/07/2024 – 26/07/2024

**POSTGRADUATE CERTIFICATE (COMPUTATIONAL NEUROSCIENCE)** Neuromatch Academy

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A 2-week intensive program on Computational Neuroscience, featuring hands-on lectures and tutorials, totaling 128 hours. The program concluded with a group mini-project.

**Certificate verification link:** [Here](#)

**Website** <https://neuromatch.io/> | **Field of study** Computational Neuroscience |

**Thesis** Comparative Analysis of SVM and GCN Models for Decoding Emotional Brain Activity Patterns from fMRI Data: Insights from the HCP Dataset.

01/10/2022 – CURRENT Tübingen, Germany

**MASTERS OF SCIENCE (MSC)** Department of Computer Science, Eberhard Karls University of Tübingen

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The Master's program delves into the fundamental principles, concepts, and techniques of computer science, along with insights from medicine and the natural sciences\*. By completing this program, I will gain the skills to tackle a wide range of tasks at the intersection of medicine and computer science. I can leverage my foreign-acquired research and clinical experience in Neurosurgery, while also applying my expertise in computer science and medical informatics. This education will empower me to seamlessly integrate Artificial Intelligence into the realm of neurosurgical practice and research.

**\*Reference:** <https://www.welcome.uni-tuebingen.de/masters-programs-overview/faculty-of-science/medical-informatics-msc>

**Website** <https://www.welcome.uni-tuebingen.de/masters-programs-overview/faculty-of-science/medical-informatics-msc> |

**Field of study** Medical Informatics | **Type of credits** ECTS | **Number of credits** 120

**MACHINE LEARNING WITH PYTHON DEVELOPER CERTIFICATION** FreeCodeCamp

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A self-paced online Machine Learning with Python Certification course. During the course I learnt how to use the TensorFlow framework to build several neural networks and explore more advanced techniques like natural language processing and reinforcement learning\*. As part of this certification, I built 5 projects and got all automated test suites to pass. The expertise I gained will seamlessly integrate the realms of artificial intelligence and computer science into my neurosurgery research endeavors.

**Projects & Certification official verification link:** [Here](#)

**\*Reference:** <https://www.freecodecamp.org/learn/machine-learning-with-python/>

**Website** <https://www.freecodecamp.org> | **Field of study** Artificial Intelligence and Computer Science | **Final grade** Pass

**Link** <https://freecodecamp.org/certification/fccb36d0019-8731-451d-9ced-6322c0d0eaae/machine-learning-with-python-v7>

01/09/2021 – 08/03/2023 Mannheim, Germany

**MASTERS OF SCIENCE (MSC)** European Center of Angioscience, Medical Faculty Mannheim, Heidelberg University

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The Master course “Translational Medical Research” is divided into 5 blocks which deal with the molecular and cellular basis of medical disorders and disease processes, cutting edge and current challenges in diagnosis and therapy and translational medical aspects from case studies and drug development up to entrepreneurship and innovation. Individual research is done in a five-week internship and the five-month Masters thesis project itself.

**Website** <https://www.uni-heidelberg.de/en/study/all-subjects/translational-medical-research/translational-medical-research-master>

**Field of study** Translational Medical Research | **Final grade** 1.5 | **Type of credits** ECTS | **Number of credits** 60 |

**Thesis** Volumetric Region-wise Magnetic Resonance Imaging Characterization of Therapy-induced Tumor Cell Death (Pseudo-progression) in Glioblastoma

02/11/2021 – 03/12/2021 Mannheim, Germany

**NEURO-INFORMATICS RESEARCH INTERNSHIP** Department of Neurology, University Hospital Mannheim

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As a Neuro-informatics Research Intern specializing in MR imaging of brain tumors, my duties included:

1. Collection and organization of MR imaging data from brain tumor patients.
2. Preprocessing and analyzing MR images using specialized software and tools.
3. Contributing to the design and execution of experiments.
4. Conducting literature reviews to support ongoing research projects.
5. Creating visualizations and give presentations to communicate findings.
6. Manuscript preparation for potential publication.

**Field of study** Neuroinformatics/ Neuroradiology | **Final grade** 1 | **Type of credits** ECTS | **Number of credits** 6 |

**Thesis** Sodium (Na) Magnetic Resonance Imaging in Brain Tumors: A Feasibility Study.

07/04/2020 – 19/06/2020 Boston, United States

**POST-GRADUATE CERTIFICATE (IMMUNO-ONCOLOGY)** Harvard Medical School

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HMX Pro is a 10-week online program from Harvard Medical School. I earned a Certificate of Achievement in Immunology.

**Certificate ID:** ce20fa31

**HMX official verification link:** [Here](#)

**Field of study** Immuno-oncology | **Final grade** 99%

06/11/2018 – 31/12/2019 Houston, United States

**VISITING NEUROSURGERY RESIDENT** University of Texas, MD Anderson Cancer Center

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I completed a one-year observership at the Department of Diagnostic Radiology with a specific focus on neuro- and musculoskeletal radiology. Throughout this period, my responsibilities encompassed the review and analysis of diverse imaging modalities related to the spine. These modalities ranged from plain X-rays to MRI scans, all of which were

conducted within the reading room. Additionally, I contributed to refining the department's spine teaching modules, designed for the education of both radiology residents and medical students.

**Address** 1400 Pressler St., Unit 1476, 77030-3722, Houston, United States |

**Website** [https://faculty.mdanderson.org/profiles/behrang\\_amini.html](https://faculty.mdanderson.org/profiles/behrang_amini.html) |

**Field of study** Neuroradiology and Musculoskeletal Radiology

01/02/2015 – 01/03/2015 Rochester, United States

**VISITING NEUROSURGERY RESIDENT** Department of Neurosurgery, Mayo Clinic

**Address** 200 First St. SW , 55905, Rochester, United States | **Website** <https://www.mayo.edu/> |

**Field of study** Peripheral Nerve Surgery

06/2014 – 07/2014 Miami Beach, Florida, United States

**NEUROLOGY EXTERN** Department of Neurology, Mount Sinai Medical Center

**Address** 4302 Alton Road , Suite # 680 , 33140 , Miami Beach, Florida, United States | **Field of study** Neurology (Headache)

15/09/2002 – 02/05/2010 Tanta, Egypt

**BACHELORS DEGREE OF MEDICINE AND SURGERY (MBBCH)** Tanta University, Faculty of Medicine

**Website** <https://med.tanta.edu.eg/en/> | **Field of study** Human Medicine | **Final grade** Excellent with Honors |

**Type of credits** ECTS | **Thesis** N/A

07/2002 Tanta, Egypt

**SECONDARY SCHOOL (HIGH-SCHOOL) COMPLETION CERTIFICATE** Sadek ElRafeiy Secondary School (Ministry of Education)

**Website** <https://moe.gov.eg/en> | **Field of study** Natural sciences, mathematics and Statistics, Biology | **Final grade** 98.9% |

**Thesis** N/A

## ● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>GERMAN</b>	B2	B2	B2	B2	B2
<b>ENGLISH</b>	C1	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

Team-work oriented | Data Visualization Tableau (Good Standing) | Python, R, MATLAB | Microsoft Office | Text processing (Word, LaTeX) | SQL and Postgres | Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation

## ● PUBLICATIONS

2016

[The coexistence of peripheral nerve sheath tumors and vitiligo: more than coincidence?](#)

2016

[The association of a hemivertebra with a large dumbbell-shaped tumor: A potential embryological explanation](#)

2016

[Nerve-adherent giant cell tumors of tendon sheath: A new presentation](#)

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2016

[An association of peripheral nerve sheath tumors and lipomas](#)

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2020

[Atlanto-occipital Dissociation in the Setting of Relatively Normal Radiologic Findings](#)

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2024

[Genomic Profiling of the Hallmarks of Cancer](#)

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## ● NETWORKS AND MEMBERSHIPS

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12/2023 – CURRENT

**Association of Clinical Research Professionals (ACRP)**

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ACRP-CP (Certified Professional- April 2024)

11/2020 – CURRENT

**American Association of Cancer Research (AACR)**

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07/2016 – CURRENT

**American Association of Neurological Surgeons (AANS)**

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09/2016 – CURRENT co-editor

**World Neurosurgery Journal**

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I perform the role of reviewing, evaluating, and offering clinical and methodological critique for research articles submitted to the World Neurosurgery Journal.

09/2016 – CURRENT

**National Post-Doctoral Association (NPA)**

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08/2011 – CURRENT

**Egyptian Medical Syndicate**

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## ● RECOMMENDATIONS

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**Jonathan P. Sleman** MSc Program Director

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I have come to know Mohamed Abdallah Abdou Abdallah Elsherif in my capacity as Director of the master's course program "Translational Medical Research" organized by the Medical Faculty Mannheim.

Mohamed Elsherif is a registered student on this course. This non- consecutive 1-year study program offers students an innovative research- oriented curriculum that covers all relevant aspects of translational medical research, and provides outstanding interdisciplinary training and research opportunities in basic and translational research. The program is open for medical students as well as for students with a strong background in the life sciences.

In the formal teaching part of the TMR Masters course Mohamed Elsherif has achieved good grades in his theoretical and practical course work. **The weighted grade he achieved for the course work is 1,5 (German grading system, 1 very good, 2 good, 3 satisfactory, 4 sufficient, 5 failed). This places him in the top-range of the class (9 of 19 students) for his performance in the teaching part of the Masters course.** His research project was entitled "Sodium (23Na) Magnetic Resonance Imaging in Brain Tumors: A Feasibility"(supervisor Prof. Dr. Achim Gass, Department of Neurology, UMM) and was graded with a 1.0. For his Masters thesis, Mohamed Elsherif is expanding his research with the project "MR imaging features for differentiation between tumor progression and a therapy-induced inflammatory reaction (pseudoprogression)", again at the Department of Neurology, UMM (supervised by Prof. Dr. Achim Gass and Dr. Iris Mildenberger).

**We have found Mohamed Elsherif to be a very pleasant, soft-spoken but passionate student who strives to constantly improve himself, to contribute and to give back.** He has volunteered as a student representative, and has initiated student feedback on special courses that has resulted in useful suggestions for improvement of the course. He performs well both independently and as a team player. Taken together, we consider that Mohamed Elsherif is a strong candidate due to his medical degree background, the scientific skills he has learned in our program, the fact that he has the necessary passion, patience, willingness and eagerness to learn, as well as his eagerness to improve his personal and professional skill sets.

The training and experience that students receive in the TMR Master's Program is designed to place them in an excellent position to successfully pursue further challenging research projects, for example in the context of MD or PhD thesis work, and to provide a firm basis for a career in this area. If you need further information about Mohamed Elsherif, please feel free to contact me.

Email [jonathan.sleeman@medma.uni-heidelberg.de](mailto:jonathan.sleeman@medma.uni-heidelberg.de)

**Mohamed Shadad M.D, Ph.D, FINR** Residency Supervisor

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I am pleased to submit this letter on behalf of Dr. Mohamed A. Elsherif. Mohamed's motivation to pursue excellence was evident in his determination to keep on forward progress throughout his career. I have known Mohamed since he joined our program in the period from August 2013 to July 2015.

As a senior faculty at Tanta University Hospitals for 15 years, I supervised Mohamed on Monday morning clinical rounds. Rarely do I have an opportunity to work with a resident as motivated and goal-directed as Mohamed. It was obvious to notice that Mohamed was very thoughtful and rational person with creativity potentials. He was genuinely compassionate connecting very well with patients and their relatives. He was able to apply the theoretical knowledge he learnt to clinical practice. Mohamed was diligent and decisive with every case and has exemplary bedside manner necessary to excel in critical situations. He has also expressed a passion in neuro-oncology with focus on neuro-genetics and cancer biology, and interest in medical education evident.

Mohamed has shown great dedication to neurosurgery. He is erudite and enthusiastic to learn new skills and strengthen his foundation of nerve surgery and neuro-ocology knowledge and skills. Mohamed is methodological and precise in research settings.

Mohamed performed well as part of a learning team and has maintained good relationship with our team members. He is respectful, caring, good listener and professional with excellent interpersonal skills. I found Mohamed smart, highly motivated and always willing to listen, learn and put on extra work for best possible outcomes. Mohamed's command of English Language is excellent.

I believe Mohamed will be a very good fit and an asset to any program. I would rate him in the top 5% of our residents; therefore, it is my pleasure to, enthusiastically, support his academic pursuits. For more information about Mohamed Elsherif, please feel free to contact me.

Email [mohamed.shadad@med.tanta.edu.eg](mailto:mohamed.shadad@med.tanta.edu.eg)

**Behrang Amini, M.D, PhD** Observership Supervisor

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I am the program director of the Musculoskeletal Imaging clinical fellowship program at The University of Texas MD Anderson Cancer Center.

**My impression of Dr. Elsherif is based on one year of direct observation and collaboration during his Musculoskeletal Imaging & Neuroradiology Observership** in late 2018 and correspondence since then. I can speak to his medical knowledge, his passion for neuroscience, his work ethic, and his interpersonal skills

I found **his medical and academic knowledge to be very advanced** and asked him if he'd like to split his time between shadowing me in the reading room and helping us fine tune our spine teaching modules. He eagerly took to both tasks, finished the modules, and had multiple very helpful suggestions for improvement and further development.

I do not have any personal experience with his **practical skills or aptitude in a research-oriented graduate program**, but Dr. Elsherif's appetite for education and research is evident at first meeting as well as on review of his CV. He has traveled the world to build on his education and increase his knowledge. His CV also boasts multiple publications, and he was hoping to add to this while with us. Unfortunately, his status as an observer prevented him from getting the access to the medical records necessary to take on any projects. I have no doubt that he would have taken on a research project with the same dedication as he did to the educational project we worked on together.

**I judge his overall academic performance as exemplary**, based on his graduating in the top of his class at medical school. I do not have access to his transcripts to make any further comments in this regard. His **command of the**

**English language is very good**, and he had no issues expressing himself personally or scientifically, and he will have no issues in this regard.

**Regarding his personality**, Dr. Elsherif is a pleasant and friendly, and projects an air of calm confidence that must be reassuring to his patients. It was a pleasure working with him for one month and I would not hesitate to do so again. In conclusion, Dr. Elsherif is an exceptional candidate that will succeed at anything he sets his mind on. I would rate him in the top 5% of our clinical observers. Please feel free to contact me if I can be of further assistance.

Email [bamini@mdanderson.org](mailto:bamini@mdanderson.org)

## ● **HONOURS AND AWARDS**

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07/2020

**Scholarship of Academic Excellence – Centro De Estudios Biosanitarios, Spain**

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10/2018

**Dubai Harvard Foundation Scholarship – Dubai Harvard Foundation**

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09/2002

**Certificate Of Excellence – Sadek ElRafeiy Secondary School**

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I earned the second highest final grade in high school education for the entire class of 2002.

## ● **VOLUNTEERING**

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09/2021 – 09/2022 Heidelberg University

**Student Representative**

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*Last Updated,*

Besigheim , 26/10/2024