

Etem Kaan Delibas

Education

2021-Present

Hacettepe University School of Medicine

- Volunteered as assistant, director and administrator of exchanges at Hacettepe Medical Students Association/IFMSA Hacettepe
- Joined the Turkish Neurosurgical Society Young Neurosurgeons Branch student member
- Participated in Molecular Biology, Medical Genetics, Biochemistry and Stem Cell Journal Clubs
- Joined the American College of Surgeons, Congress of Neurological Surgeons, European Association of Neurological Surgeons and American Academy of Neurology as a student member
- Participated in 7th Skull Base Congress with Turkish Skull Base Society

Experience

Research Experience

2022 August

Research Intern

Department of Biophysics, Hacettepe University in Ankara, Turkey

- Studied the fundamentals of biophysics with supervision from Ruhi Soylu MD, PhD
- Applied theoretical knowledge of computer science for scientific imaging
- Worked with microscopic images, ultrasound machine
- Studied fundamentals of scientific analysing techniques in neurobiophysics

2023 September

Participated in Neurosurgery Student Research Group led by Sahin Hanalioglu MD, PhD

- Collected operation data from glioma patients who underwent surgery at the Hacettepe University Hospitals for survival analysis
- Took a course on creating 3D Models from CT Scans for analysis

2024 July,

2024 August

Research Intern

Hunterian Neurosurgical Laboratory, Department of Neurological Surgery, Johns Hopkins University School of Medicine

- Worked at Brain Tumor Lab led by Betty Tyler and Henry Brem, MD
- Attended weekly grand rounds at the department

- Participated in Glioblastoma Research involving laboratory techniques involving Cell Culture, Microscopy Imaging, In-Vitro Imaging System according to Good Laboratory Practice Principles and practiced collaborative work
- Investigated a solution for translating microscopy images into virtual space for volume analysis with Image Manipulation Techniques and Computer Science knowledge successfully
- Studied Medical Statistics

Clinical Experience

2023 July

Intern

Department of Neurological Surgery, Hacettepe University in Ankara, Turkey

- Worked with Mustafa Berker MD, PhD under Skull Base group
- Learned key communication skills for successfully examining a patient
- Participated in surgeries as observer
- Joined weekly grand rounds and daily rounds
- Performed physical examination and differential diagnosis of patients in outpatient clinic with guidance from attending surgeons
- Studied neurological signs and presentation symptoms of diseases

2024 August,

Present

Intern Doctor

Hacettepe University Hospitals, Departments of Internal Medicine, Pediatrics, Surgery

- Performed several diagnostic interventions and studied their analysis, practiced Good Medical Practice
- Learned key concepts, connections and emerging trends in Internal Medicine and Surgery
- Exercised taking history, physical examination on inpatients; performed differential diagnosis
- Participated in emergency and elective procedures

2025 July,

Observer

2025 August

Gamma Knife Radiosurgery Center, Koç University Hospital, Department of Neurological Surgery in Istanbul, Turkey

- Joined Selcuk Peker, MD to observe his practice for the duration of 3 weeks
- Investigated the process to conduct scientific research, publishing the results of investigations in journals
- Studied clinical environment on how a neurosurgery clinic operates daily, how a patient is admitted to a clinic, how they are managed, how their data are stored
- Observed Selcuk Peker, MD on their interactions with patients and experienced how practicing medicine could become art due to the medicine's nature of requiring connecting with people to help them
- Observed how a research center's administration could nurture investigators to efficiently create a healthy working environment
- Gained experience on fundamentals of Stereotactic Radiosurgery with Elekta Esprit, including surgical planning software and hardware requirements

Current Projects

- Building a Personal Website with HTML and JavaScript to connect with other researchers

- Practicing Python language for future use in Statistics, Artificial Intelligence, Data Visualization

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