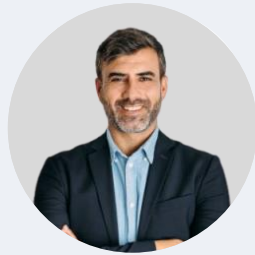


ABOUT



SURAJ KANNA

Aspiring Medical Professional: Committed to Delivering Comprehensive Care and Clinical Excellence

A dedicated medical enthusiast with a wide array of experiences across diverse medical domains and environments. From obstetrics and gynaecology to public health, surgery, and palliative care, I possess a versatile skill set garnered through immersive clinical rotations at prestigious institutions. Active engagement in medical societies and research endeavors underscores my dedication to advancing healthcare and academic prowess. Volunteer work highlights my holistic approach to patient and community welfare. With a solid foundation in clinical practice, research acumen, and empathetic patient care, I aim to contribute significantly to the medical field while upholding the highest standards of professionalism

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EDUCATION

Pursuing MBBS, BAO Trinity College Dublin, Ireland (5th Year-Medical Student)

2021
Distinction in Pharmacology

2017
GCSE, United World College Southeast Asia (Dover), Singapore

Sep 2022 – Sep 2023
M.Sc. Masters In Neuroscience, Trinity College Dublin, Ireland

2019
International Bachelorette (IB), United World College Southeast Asia (Dover), Singapore

RESEARCH EXPERIENCE

- Title:** Unveiling Perceptual Decision-Making in Cervical Dystonia: A Protocol Investigating Superior Collicular Dysfunction
- Aim:** This study aims to establish a robust protocol for quantifying perceptual decision-making impaired by superior collicular dysfunction. We employ a dichromatic Dynamic Translational Class pattern task with two experimental manipulations: varying coherence between dot pairs and introducing prior conditions. Simultaneous EEG recording enhances precision.
- Results:** Baseline assessments involved 12 age- and sex-matched healthy controls. Psychometric logistic fitting and drift-diffusion modeling revealed intact perceptual decision-making among controls, characterized by high accuracy and rapid reaction times under strong sensory evidence, skillfully leveraging prior information. EEG analysis demonstrated elevated theta and beta-band power in frontal and parietal regions. Centro-parietal positivity, a neural marker for perceptual decision-making associated with normal superior collicular function, was identified.
- Ethic Approval:** Ethics approval has been obtained to implement this study in clinical settings, anticipating impaired perceptual decision-making in cervical dystonia patients, and potentially in their unaffected first-degree relatives, particularly in their utilization of prior information.

OBSTETRICS & GYNECOLOGY

Pregnancy care

Antenatal care

Intrapartum care

Post-natal care

Procedural techniques



Protocol development



Superior collicular dysfunction



Psychometric logistic fitting



EEG analysis



Drift-diffusion modeling



Neural markers

PEDIATRICS

History taking

Clinical assessment

Differential diagnosis

Investigation planning

Management strategies

LANGUAGES

English: Native fluency | **Hindi:** Fluent | **Spanish:** Intermediate

MEDICAL TRAINING & CERTIFICATIONS

Completed Making Every Contact Count course
Completed An Introduction to Children First program
Certified in Irish Maternity Early Warning System (IMEWS)

SURGICAL ELECTIVE (UROLOGY)

Patient care
Advanced surgical procedures
Common urological conditions

PSYCHIATRY

Cognitive testing
History taking
Mental state examination (MSE)



Cardiology



Orthopedics



General surgery



Neurology



Respiratory medicine



Ophthalmology



ENT



Palliative care



Geriatrics

ENGAGEMENT HIGHLIGHTS

2023

Trinity Surgical Society, Ocm, Tcd Ireland 2023 - Present

TRINITY STUDENT MEDICAL JOURNAL (TSMJ)

Production Editor (2023 – Present)

Production Director (2021 – 2023)

- Leveraged the OJS platform to manage the TSMJ website, facilitating account creation, article uploads, and announcements.
- Meticulously copyedited and coded articles for release in the TSMJ volume.

Media Director And Peer Reviewer (2020 - 2021)

- Played a pivotal role in the Marketing and Publicizing team, gaining invaluable insights into the journal's production process.
- Orchestrated audience engagement across various platforms, honing captioning skills for maximum impact.
- Mastered Canva for crafting visually striking posters and announcements.

2020

Trinity Dermatology Student Society, Vice-president 2020 - 2023

- Spearheaded events on critical topics like "Skin of Color: Racial Inequity and Racial Inclusion in Health Care" and introductory talks on Dermatology.
- Forged a key partnership with RELIFE, an Italian-based company specializing in dermatological concerns.

2020

Student 2 Student (S2s), Mentor 2020 – 2021

- Rendered support to incoming Medicine program freshmen, especially crucial during times of restricted interaction.
- Maintained regular communication through email updates and periodic Zoom check-ins.

2020

Heart Over Mind's Project; With You, Volunteer Befriender, Singapore Oct 2020

- Dedicated summer breaks to engaging with the elderly via Zoom, offering companionship and support during the COVID pandemic.
- Cultivated communication and language skills, including revisiting Chinese/Malay proficiency to bridge language barriers.

JAN - MAR
2024 2024

Psychiatry

- 6-week rotation: 4 weeks in General Adult Psychiatry at St. James's Hospital, 2 weeks in Old Age Psychiatry at St. Patrick's Hospital.
- Focused on common psychopathologies and developed clinical skills in cognitive testing.
- Learnt psychiatry-specific history taking and mental state examination (MSE).

MAR - MAY
2024 2024

Paediatrics

- 6-week rotation in various Children's Health Ireland (CHI) hospitals covered medicine, surgery, and psychology for newborns to 18-year-olds.
- Learned to recognize well and ill infants/children through thorough history taking and clinical assessment.
- Gained insight into childhood growth and development.
- Acquired knowledge of pediatric health and diseases.
- Developed communication skills with children and their parents.
- Took comprehensive paediatric history, and examined newborns, infants, toddlers, & older children.
- Constructed differential diagnoses, and planned appropriate investigations & management strategies.

OCT - JAN
2023 2024

Obstetrics And Gynecology

STUDENT DOCTOR

- Completed an intensive 8-week rotation spanning The Coombe Hospital, St James's Hospital, and Tallaght University Hospital.
- Developed essential clinical competencies in Obstetrics and Gynecology (OBGYN), emphasizing thorough history taking and physical examinations.
- Capabilities in pregnancy care, covering antenatal, intrapartum, and post-natal stages.
- Engaged in diverse clinical settings including outpatient departments, delivery suites, operating theatres, and wards.
- Presented workplace-based cases, deepening understanding of common OBGYN presentations, management strategies, and procedural techniques.
- Enhanced expertise in women's health, labor, and delivery through hands-on experience and exposure to real-world scenarios.

SEPT - OCT
2023 2023

Public Health And Primary Care And Epidemiology

STUDENT DOCTOR

- Engaged in a 4-week placement in General Practice across rural and urban areas in Ireland.
- Built on existing skills by applying a holistic, biopsychosocial approach to patient-centered care, focusing on managing common clinical conditions.
- Applied a holistic, biopsychosocial approach to patient-centered care, focusing on managing common clinical conditions.
- Explored the significance of health equity in clinical outcomes and health promotion, and gained insights into the Irish healthcare system through its legal, policy, and financial aspects.

APR - JUL
2022 2022

St. James's Hospital

STUDENT DOCTOR

Surgical Elective with Sub-specialty in Urology

- Hands-on patient care and management experience by implementing knowledge and skills acquired during 3rd year
- Observed advanced surgical procedures including robotic-assisted radical prostatectomy.
- Exposure to common urological conditions and procedures such as TURP, Lithotripsy, and cystoscopy.
- Insights into the life as an intern in a hospital setting.

Multi-Specialty Work Experience

- Exposure to various specialties including fall and syncope, diabetes, osteoporosis, anaesthesiology, and Inclusion Health.
- Further development of clinical knowledge and skills through interaction with patients from diverse medical and social backgrounds.

MAR
2022

St. Our Lady's Hospice Rotation

STUDENT DOCTOR

Palliative Care and Geriatrics

- Unique exposure to rehabilitation, elderly care, and rheumatology within a hospice setting.
- Acquired clinical skills pertinent to palliative care.
- Enhanced understanding of medical ethics and the complexities of decision-making in end-of-life care.

FEB
2022

Paemount Hospital

STUDENT DOCTOR

Respiratory Medicine Placement

- Focused primarily on respiratory medicine with opportunities to observe PFTs and develop clinical skills through interactions with medically-complex patients.
- Presented teachings on respiratory conditions to the team, enhancing communicative and collaborative skills.

JAN
2022

Royal Victoria Eye And Ear Hospital

STUDENT DOCTOR

Ophthalmology and ENT Clinical Rotation

- Gained diverse clinical exposure in imaging, surgery, and outpatient department settings within Ophthalmology and Ear, Nose, and Throat (ENT) specialties.
- Acquired clinical skills necessary for performing fundoscopy (eye examination) and otoscopy (ear examination).

SEPT - DEC
2021 2021

Tallaght University Hospital

STUDENT DOCTOR

Multi-Specialty Clinical Experience

- Exposure to various specialties including cardiology, orthopedics, general surgery, and neurology.
- Applied and enhanced clinical skills through patient interactions and teamwork.
- Observation of orthopedic and general surgery procedures with opportunities to scrub in.

SEPT
2017

Tata Memorial Hospital Volunteer Experience

Multi-Specialty Clinical Experience

- Volunteered at Asia's largest Hospital and Research Center for Oncologists, supervised by a Senior Consultant Gynaecologist.
- Interacted with patients directly and explored various departments including Neuro OPD, Gynaecology OPD, Public Relations office, Laboratories, Chemotherapy, Palliative care, Paediatrics, and General OPD.
- Observed a Hysterectomy procedure.
- Gained insight into the responsibilities of a doctor, including communication with colleagues and nurses.
- Learned about the challenges faced by a large public hospital in consistently treating a high volume of patients.

APR
2016

SOS International, Jakarta

Shadowing and Internship at Large Day Clinic

- Shadowed in various departments of a large day clinic.
- Interned in the pharmacy section.
- Learned administrative aspects of clinic operations, roles and responsibilities of different departments, and drug administration and storage procedures.

APR
2015

Pan Island Clinic, Singapore

Shadowing Dr. Chua Sui Meng in a Private Clinic

- Shadowed Dr. Chua Sui Meng in a private clinic setting.
- Acquired knowledge of essential questions and procedures from patient intake to discharge.
- Learned about common infections in Singapore and communication skills essential for effective patient engagement, accurate diagnosis, and avoiding common mistakes during patient interactions.