



NEUROSURGERY

RESIDENCY PROGRAMME

*Living My Love
of Medicine*

DISCOVER THE NEUROSURGERY RESIDENCY PROGRAMME

Neurosurgery is an exciting frontier in Medicine exposing one to a vast variety of clinical conditions in patients of various ages. It is a continually evolving specialty that utilises cutting-edge technology to carry out complex surgical and treatment procedures. The field of research in Neuroscience is equally exciting with continual discoveries being made.

Neurosurgery can be physically and mentally demanding; it requires commitment and personal sacrifice but also offers substantial rewards and emotional satisfaction. Dealing with critically ill patients allows clinicians to practice the art of Medicine from every facet of patient care, which is at the heart of all we do.

The strength of the SingHealth Neurosurgery Residency programme lies in our diverse clinical material and a strong subspecialty focus. The educational programme, combined with a range of clinical, technical, didactic and scientific training, provides a well-rounded experience for each Resident. The programme also has a strong commitment to clinical care, education and research, which aims to groom the future generation of Neurosurgeons to become prominent Clinician Educators and Clinician Scientists.



YOUR LEARNING EXPERIENCE

The Neurosurgery specialty treats a range of traumas, diseases and conditions of the brain, central and peripheral nervous system, as well as their supporting blood vessels and skeletal structures.

Neurosurgery Residency offers a seven-year training programme after completion of the internship or Transitional Year. The National Neuroscience Institute (NNI) is situated at Singapore General Hospital (SGH) and together with Tan Tock Seng Hospital (TTSH), which are Singapore's largest tertiary hospitals with Level 1 trauma centres. They provide a wide spectrum of elective case exposures covering all the major Adult Neurosurgical subspecialty conditions. These two hospitals are the main rotating sites for your Residency training.

PROGRESSIVE EDUCATION AND RESEARCH PROGRAMME

Our educational programme, which includes a wide range of clinical, technical, didactic as well as scientific training modules, will provide you a robust and well-rounded experience. If you have a passion in research, our research programme

includes a year of fully funded research to equip Residents with a basic foundation in the principles of research.

WIDEST AND MOST EXTENSIVE CASE-MIX IN SINGAPORE

Our unique Residency programme provides rotations through five different training institutions at SGH, TTSH, KK Women's and Children's Hospital (KKH), Changi General Hospital (CGH) and Khoo Teck Puat Hospital (KTPH). Rotations through these five hospitals will provide each Resident knowledge in General Neurosurgery as well as in the specific subspecialty fields such as Neuro-oncology, Neurovascular Surgery, Paediatric and Spine Surgery.

OUTSTANDING FACULTY; DEDICATED MENTORS

The Neurosurgery department is a close-knit group, who believe in providing a collegial and supportive learning environment. We welcome you to consider achieving your fullest potential as a medical professional by joining this unique subspecialty, which promises to offer you a challenging, rewarding and fulfilling career.

YOUR CAREER PROSPECTS & DEVELOPMENT

Residency training is completed only after passing the FRCS (Surgical Neurology) examinations and finishing seven years of Residency training (including one year of research). The examinations are conducted by The Royal College of Surgeons in Edinburgh as part of a conjoined examination with the College of Surgeons in Hong Kong.

The title of Associate Consultant is given upon successful employment by NNI and registration with the Singapore Medical Council and Specialist Accreditation Board. During the two years as an Associate Consultant, there will be opportunities for further subspecialisation in a particular field of interest in Neurosurgery. Further fellowship training can also be carried out at an overseas centre of excellence of your choice.

CLINICIAN SCIENTIST (CS) RESIDENCY TRACK

Neurosurgical Residents who aspire to pursue a career in clinical or translational research can apply competitively to be on the CS Track. You will be selected based on merit and a mentor will be assigned to guide you in the development of your research career path.

Residents will take a year off from clinical training where you will be actively involved in institutional research activities, courses and complete a Masters of Clinical Investigation programme or equivalent. You will also have the option to further your degree and obtain a PhD.

The CS track will facilitate institutional research collaborations and allow Residents to spearhead a field of research in the forefront of Neuroscience.



A WEALTH OF RESEARCH OPPORTUNITIES

Residents interested in pursuing the Clinician Scientist pathway can further extend their research period to pursue a degree in Masters or PhD. There are also opportunities to pursue your career in medical education for those interested to become Clinical Educators.

Further information on the vast options for clinical research can be discussed in detail with members of the Neuroscience Academic Clinical Programme (ACP).

HEAR FROM OUR RESIDENTS



With the various national specialty centres under SingHealth's umbrella, I was able to gain excellent training at the highest level. So far, the programme has exceeded all my expectations, with personable mentors and a great Residency team to support my journey. Moreover, meeting different Residents from the various specialties during my rotations gives me valuable networking opportunities; allowing me to constantly learn from others.

DR JULIAN HAN

Neurosurgery Resident, Year 2018
NUS YLL SoM Alumnus



I joined SingHealth Residency because of its well-structured training programme. The experience so far has been very positive. I enjoy Neurosurgery because it is a very diverse and interesting field. In Neurosurgery, we get to use state-of-the-art technology to assist us in our operations. There are also lots of opportunities with SingHealth Residency to participate in research and to break new barriers in Neuroscience, keeping it a very appealing and challenging subspecialty for me.

DR LESTER LEE

Neurosurgery Resident, Year 2018
Guy's, King's and St Thomas' School of Medicine Alumnus



GET IN TOUCH

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