

Report on Attendance at the CNS 2025 Conference, Los Angeles

I attended the Congress of Neurological Surgeons (CNS) 2025 Annual Meeting held in Los Angeles, an international forum for neurosurgeons, neuro-oncologists, and neuroscientists. The conference brought together leading experts to present advances in clinical practice, surgical innovation, artificial intelligence in neurosurgery, and translational research relevant to disorders of the central nervous system.

As part of the scientific program, my digital poster focusing on an audit of the management of pituitary tumours before and after the implementation of an electronic patient record system was selected for display in the digital poster hall.

The presentation showcased my recent work on peri-operative care of patients undergoing pituitary surgery, with emphasis on the clinical implications for patient management. The digital format allowed attendees to view the poster throughout the conference, facilitating ongoing engagement beyond the scheduled poster sessions.

During the meeting, I had the opportunity to discuss my research with clinicians and investigators who have expertise in pituitary pathology and skull base surgery, as well as other neurosurgical subspecialties. These interactions generated valuable feedback, particularly regarding methodological refinements, potential expansion of the dataset, and general role of quality improvement projects within the NHS.

In addition to presenting my work, I attended a range of plenary lectures, technical sessions, and panel discussions. Topics of particular relevance included advances in minimally invasive endoscopic approaches to pituitary tumours, updates on postoperative endocrine management, innovations in intraoperative imaging, and evolving perspectives on tumour classification driven by molecular markers. I found the sessions on AI in neurosurgery particularly interesting. These sessions provided practical insights that may enhance both clinical practice and future research directions.

The CNS 2025 conference also offered significant networking opportunities. Engagement with colleagues from academic centres, industry partners, and research groups helped strengthen professional connections and exposed me to new technologies and methodologies relevant to neuro-oncology and pituitary disease management.

Overall, participation in CNS 2025 was a highly enriching experience. Presenting my digital poster allowed me to disseminate my findings to a specialised audience, receive expert feedback, and engage with other attendees and presenters. The knowledge gained from the

scientific sessions will directly inform my ongoing work and support continued professional development within the neurosurgical and neuro-endocrine research communities.

I am grateful to the SBNS for enabling me to pursue this opportunity to present my work at the CNS 2025 conference.