

Sainte-Anne Hospital

Sainte Anne saw the birth of modern neuropsychology with Henry Hécaen. [Jean Talairach](#) and his group developed human stereotaxic neurosurgery and a 3-dimensional [brain atlas](#) that is used around the world. The chapter also mentions institutions (the CNRS and INSERM) that have contributed to developments partially independently from medical schools.

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Sainte-Anne Hospital is the largest psychiatric hospital in [Paris](#). Its long and fascinating history began in the 18th century. In [1952](#), it was at Sainte-Anne Hospital that Jean Delay and Pierre Deniker used the first neuroleptic, chlorpromazine, to cure psychiatric patients, putting an end to the expansion of [psychosurgery](#). The Department of Neuro-psychosurgery was created in [1941](#). The works of successive heads of the Neurosurgery Department at Sainte-Anne Hospital summarized the history of psychosurgery in [France](#). Pierre Puech defined psychosurgery as the necessary cooperation between neurosurgeons and psychiatrists to treat the conditions causing psychiatric symptoms, from [brain tumors](#) to mental health disorders. He reported the results of his series of 369 cases and underlined the necessity for proper follow-up and postoperative re-education, illustrating the relative caution of French neurosurgeons concerning psychosurgery. Marcel David and his assistants tried to follow their patients closely postoperatively; this resulted in numerous publications with significant follow-ups and conclusions. As early as 1955, David reported intellectual degradation 2 years after prefrontal leucotomies. Jean Talairach, a psychiatrist who eventually trained as a neurosurgeon, was the first to describe anterior [capsulotomy](#) in [1949](#). He operated in several hospitals outside of [Paris](#), including the Sarthe Psychiatric Hospital and the Public Institution of Mental Health in the Lille region. He developed [stereotactic surgery](#), notably [stereoelectroencephalography](#), for [epilepsy surgery](#) but also to treat psychiatric patients using stereotactic lesioning with [radiofrequency](#) ablation or radioactive seeds of yttrium-90. The evolution of [functional neurosurgery](#) has been marked by the development of [deep brain stimulation](#), in particular for [obsessive-compulsive disorder](#), replacing the former lesional stereotactic procedures. The history of Sainte-Anne Hospital's Neurosurgery Department sheds light on the initiation-yet fast reconsideration of [psychosurgery](#) in France. This relatively more prudent attitude toward the practice of psychosurgery compared with other countries was probably due to the historically strong collaboration between psychiatrists and neurosurgeons in France ¹⁾.

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