Kent Hospital
Neurosurgery Department
Especially in recent years, many brain and spinal cord diseases can be diagnosed more quickly and accurately than before, thanks to increased use of advanced imaging techniques.

Keeping pace with the latest developments in the world, the Neurosurgery Department of Kent Hospital employs recent techniques for diagnosis and applies effective treatment approaches based on advanced technology. The synergy between the cutting-edge medical techniques and professional staff provides high standards of service.

**The most frequently performed surgeries in the Department of Neurosurgery at Kent Hospital:**

- Brain and spinal cord tumors;
- Cerebral hemorrhages;
- Hernia of the loins and cervical disc;
- Head, spine and spinal cord injuries;
- Peripheral nerve surgery;
- Congenital anomalies of the nervous system.
BRAIN TUMOR SURGERY

In the Neurosurgery department of our hospital we are focused on brain tumor surgery.

STEREOTACTIC SURGERY & AWAKE CRANIOTOMY

Our team has a great experience in the stereotactic and awake craniotomy.

Experience of more than 2000 stereotactic approaches...

For the deep seated and small lesions of the brain stereotactic techniques provide us secure and precise operations. We have an experience of more than 2000 stereotactic approaches.

With the use of stereotactic equipment we can take biopsies to guide the therapy. Another benefit of stereotactic surgery is to perform navigated surgery to reach the tumors with small incisions and keyhole craniotomies.

The most challenging part of brain tumor surgery is for the tumors located in the eloquent areas of the brain such as motor area, speech area and visual cortex. For these tumors we perform awake surgery under electrophysiological monitoring. With this method we operated more than 900 patients and succeeded to prevent the loss of important brain functions and accomplish total tumor resections located within eloquent brain areas.

PITUITARY TUMOR SURGERY

An other tumor surgery section is pituitary surgery. We use transsphenoidal route for pituitary tumors.

In collaboration with ENT surgeons we perform microsurgical and endoscopic approaches to the pituitary area. With this techniques we accomplish total resection of macroadenomas of pituitary gland.
Kent Hospital has well-known and experienced staff in the following medical, surgical, and diagnostic specialties:

- Aesthetic and Plastic Surgery
- Bone Marrow Transplant
- Cardiology
- Chest Diseases
- Cardiovascular Surgery (adult and pediatric)
- Dermatology
- Ear, Nose & Throat
- Emergency Medicine
- Endocrinology
- Gastroenterology
- General Surgery
- Infectious Diseases
- Internal Medicine
- IVF (with PGD testing)
- Laboratory Medicine
- Nephrology
- Neonatal Intensive Care
- Nuclear Medicine
- Neurology
- Neurosurgery
- Obstetrics & Gynecology
- Oncology
- Ophthalmology
- Oral & Dental Medicine
- Organ Transplant Center
- Liver & Kidney
- Orthopedics and Traumatology
- Pediatrics
- Pediatric Cardiology
- Pediatric Neurology
- Pediatric Surgery
- Physical Medicine & Rehabilitation
- Radiology (diagnostic and interventional)
- Rheumatology
- Urology