



CLINICAL SHEET

Neurology

Department

Neuroscience

Specific treatment service provided

The highly qualified medical and nursing staff of our Division is dedicated to diagnosis and treatment of a wide spectrum of neurological disorders on patients coming from the Veneto Region, other Italian Regions but also from other Countries.

The staff operates in close interaction with Neurosurgery, Neuroradiology and Neurointensive care Units.

The staff is involved in the training programs of Residents in Neurology, Accident and Emergency Medicine, Geriatrics, Physical Medicine and Rehabilitation.

The staff is also involved in multicentric national and international clinical trials.

Several courses, seminars and symposia are organized every year by the staff.

The staff is on 24 hr/day, 7d/wk, call; its activities are performed:

- a) in the ward, equipped with 15 normal beds and 8 semintensive beds (Stroke Unit);
- b) in the DH service;
- c) Neurophysiology laboratory, where EEG, video-EEG and High-Density-EEG monitoring, somatosensory evoked potentials (SEPs), brainstem auditory evoked potentials (BAEPs), visual evoked potentials (VEPs), transcranial magnetic stimulation (TMS), electroretinography (ERG/PERG), electromyography/electroneurography (EMG/ENG), single fiber EMG (SSFEMG), laser evoked potentials (LEPs) and neurophysiological battery for pelvic floor disorders, Carotid and TCD ultrasound are performed.
- d) in several out-patients clinics.
- e) in the video-EEG monitoring unit.

Brief description of the diseases treated:

Over 400 patients/year with stroke are treated in the 8 beds Stroke Unit; over 40% undergo the thrombolysis procedure (e.v. or i.a.). A team of physiotherapist and logopedist provides patients with an early rehabilitation program.

In the remaining 15 beds we treat over 700 patients/year affected with encephalitis, myelitis, brain tumors, epilepsy, myasthenia, acute demyelinating polyneuritis.

In the video-EEG monitoring unit patients undergo prolonged video-monitoring mainly aimed to new diagnosis of epilepsy or, in focal pharmacoresistant epilepsy, to presurgical selection.

In the DH service we treat several hundred patients/year affected with brain tumors, multiple sclerosis or neuromuscular disorders

In the neurophysiological service we perform several thousands diagnostic exams/year; botox is administered to several hundred patients/year affected with movement disorders.



Out-patients clinics:

- a) movement disorders: several hundred patients with Parkinson disease and other Parkinsonisms.
- b) neuromuscular disorders: polineuropathies, myopathies, chronic neuropathic pain syndromes, pelvic floor disorders, myasthenia gravis, amyotrophic lateral sclerosis, treatment of spasticity and dystonia with botulinum toxin.
- c) multiple sclerosis: several hundred patients, over one hundred of them treated with different disease modifying molecules.
- d) brain tumors: over one hundred patients under chemotherapy.
- e) epilepsy: patients with chronic epilepsy; a dedicated clinic for pregnant woman with epilepsy.
- f) dementia: clinical and neuropsychological diagnosis, clinical and therapeutic follow-up, non-pharmacological interventions (ie cognitive stimulation, specific counseling for behavior disorders), caregiver's support to several hundred patients/year.

Length of treatment and follow up

Length of treatment and follow-up varies according to the type of the disease

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