

Introduction to Neurology

Clinic of Neurology
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NEUROLOGY

- NEUROLOGY –
 - medical clinical specialty
 - focus on diagnosis and management of diseases which affect the nervous system

Tasks of NS

- 1.to inform about changes in organismus and environment
- 2.to control the adaptation to these changes

Task of neurological seminars

to give information about:

- neurological examination of patients
- diagnostic procedures and therapy

Diagnosis of nervous diseases

1. ANAMNESIS - History
 - /familiar, personal, allergic, gynaecological, professional/
2. The actual clinical findings
 - a/ Status presens generalis
 - b/ status presens specialis neurologicus

ANAMNESIS

- FA: parents, grand parents, siblings, children
- PeA: intrauterine development, diseases and traumas of mother before and during gravidy/ delivery, development in childhood, diseases, traumas, operations
- PrA: /chemicals, vibrations/

ANAMNESIS

- Case history: subjective complaints /symptoms/
 - beginning, duration, character – progressive, stationary, regression
 - objective informations /family members/
(heteroanamnesis)

- Consciousness, orientation, memory functions, fatigue functions, general appearance
- Meningeal signs
- Cranial nerves I.-XII.
- Motor functions – muscle strength, tone, tendon reflexes, pyramidal signs – location, type (peripheral, central)
- cerebellar functions, involuntary movements
- Sensoric functions – location, type (+/-, temperature, tactile stimulus, vibration,..)
- Standing and gait, Romberg sign

Glasgow coma scale

		Score
Eye opening	spontaneously	4
	to speech	3
	to pain	2
	none	1
Verbal response	orientated	5
	confused	4
	inappropriate	3
	incomprehensible	2
	none	1
Motor response	obeys commands	6
	localises to pain	5
	withdraws from pain	4
	flexion to pain	3
	extension to pain	2
	none	1
Maximum score		15

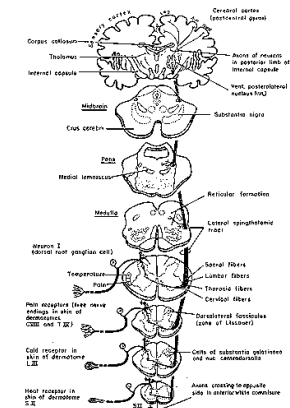
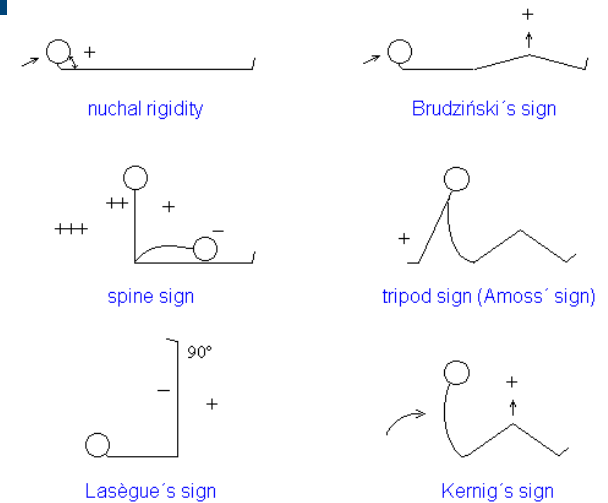


Fig. 5. Lateral spinothalamic tract.

DIAGNOSIS

- SEMIOLOGIC – list of signs and symptoms
- SYNDROMOLOGICAL
- TOPICAL
- NOSOLOGICAL