

CORTEX I

My dear colleagues,

This Neurology program is ambitious and cumbersome, but we will make sure, despite the difficulties, to guide you all towards excellence.

This is why this course will be adaptive, it means that we can go faster or more slowly depending on the group's ability to understand.

We are therefore making this program proposal, which will surely evolve, to give you an idea of what we are proposing.

The course will be given in English.

Days 1 and 2

I. Embryology and evolution of Cortex (brief reminders)

We like to use an "embryological regression technique" which gives valuable diagnostic and therapeutic information on the Cortex.

And evolution ...

II. Histology of the cortex (brief reminders)

A different histology according to the cortical zone

Know how to perceive the cellular layers of the cortex,

- differences between area and depth
- the differences according to the cortical zones (motor, sensory, cerebellar ...)

The perception of the different layers opens towards diagnosis and treatment.

III. Overall structure of the brain:

- The overall structure of the brain depends on its container, and containing itself does not seem insensitive to the content: bones, membranes, ventricles, cortex and symmetry, vascularization ... Diagnosis and treatment.
- Vascularization has a fundamental place in cortical nutrition, of course, but also more surprisingly in the structure and shape of the brain.

"An extra optional course, according to local possibilities,
will be proposed regarding the vasculature".

IV. The first nuclei "landmarks" around the IVth ventricle.

IV.1 Tracing, volume, positioning, ventricular structures between them and in relation to the environment, bone ...

IV.2 More particularly the IVth ventricle,

- its positioning,
- its floor, its roof, the cerebellum, its extremities ...
- diagnosis and treatment

IV.3 Some basic nuclear structures for:

- learning neurological perception
- the progressive acquisition of some fundamental notions
 - o the nuclei III, IV, VI,
 - o the vestibular, cochlear nuclei,
 - o the nuclei V, VII, X, VIII, IX,
 - o Will be manually identified
 - o diagnosis and treatment

V. Tracing and cortical systematization, folds and Gyri

- **The different folds**
- The Gyri
 - o frontal gyrus
 - o cortical gyrus
 - o occipital gyrus
 - o temporal gyrus
 - o cingulate gyrus
 - o insular gyrus
 - o diagnosis and treatment

VI. Reset of the cortical areas considered...

VII. Diencephalon

Locating the thalamus and some of its useful nuclei during the course.

- Geniculate lateral and medial bodies
- Lateral ventral, ventral anterior and ventral lateral nuclei
- Diagnosis and treatment

VIII. Midbrain

Diagnosis and treatment

IX. Central gray nuclei

IX.1 Repairing and treatment of basal ganglia:

- Caudate nucleus
- Putamen
- Globus Pallidus internal and external
- Locus niger
 - o Pars compacta
 - o Pars reticulata
- Red nucleus
- Nucleus of Luys
- Diagnosis and treatment

IX.2 Parkinson

Diagnosis and treatment

Cortex I - Day 3

I. "Reset" gray nuclei

II. Motor neurological system

III. Some other treatment proposals

- Paralysis of the face, peripheral and central.
- Trigeminal pain
- Epilepsy

IV. "Reset" global cortical.

For more information look at the websites SEOC and SCTF.B

If you have personal questions: seoc.contact@gmail.com, we'll respond within a week.

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