

LÁSZLÓ KOMÁROMY

# THE DISSECTION OF THE BRAIN

A TOPOGRAPHICAL AND TECHNICAL GUIDE

Medicina Publishing House • Budapest, 2006

# Contents

Forewords .....	7
Introduction .....	9
General remarks .....	11

## The first brain

I. Brain membranes, vessels, cranial nerves .....	15
II. Gyri and sulci of the convexity and the base of the brain .....	20
III. The exposition of the insula .....	22
IV. Subdividing the brain along the median-sagittal plane .....	28
a) The median-sagittal section of the brain .....	30
b) The hidden part of the fornix and the exposure of the fascicle .....	32
c) Sulci and gyri of the median surface .....	34
d) The rhinencephalon .....	36
V. The blunt dissection of the brain .....	38
a) Dissection of association fibres on the medial surface .....	40
b) Dissection of association fibres on the lateral side .....	42
c) The commissures .....	42
d) The thalamic radiation .....	44
e) Fibres of the internal capsule .....	46
VI. The oblique section of Flechsig .....	48
VII. The fourth ventricle and the interconnections of the cerebellum .....	42

## The second brain

I. Exposition of the corpus callosum from above .....	56
a) The semioval centre .....	58
b) The corpus callosum .....	60
II. The exposition of the lateral ventricle from above .....	62
a) The anterior horn, the central part, the posterior horn .....	64
b) Exposition of the inferior horn .....	66

c) The walls of the lateral ventricle .....	68
d) The hippocampus .....	70
III. The exploration of the third ventricle .....	72
a) Removal of the trunk of the corpus callosum .....	72
b) The fornix and its commissure .....	74
c) The tela choroidea of the third ventricle .....	76
d) The walls of the third ventricle .....	80
IV. Horizontal section of the hemisphere .....	82
V. The mesencephalon, the optic tract and the geniculate body .....	88
VI. The cerebellum .....	90
a) The cerebellar nuclei .....	92
b) The fourth ventricle .....	94
VII. Sections of the mesencephalon .....	96
VIII. The brain stem .....	100
a) Sections of the pons .....	102
b) Sections of the medulla oblongata .....	104
c) Fibre connections between the brain stem and the cerebellum .....	106

### **The third brain**

Frontal sections of the brain .....	108
a) Sections of the first third of the brain .....	110
b) Sections of the middle third of the brain .....	114
c) Sections of the posterior third of the brain .....	118
Index .....	120