



Neuroanatomical preparation protocol

Brain Net Europe II, Psychiatric diseases

1. Collect the liquor cerebrospinalis after craniotomy
2. Divide the fresh, unfixed brain into the two hemispheres including brain stem and cerebellum
3. Put the hemispheres on the medial side to prepare the lateral samples A to L (see sample list) from top to bottom according to Brodman-diagram (see attachment)
4. Put the hemispheres on the lateral side to prepare the medial samples M to PP (see sample list) according to the Brodman-diagram
5. Cut the brainstem with cerebellum at the level of the mid brain 0,5 cm above the substantia nigra and place it aside
6. Cut the hemispheres frontal through the corpora mamillare into an anterior and a posterior part
7. Take the posterior part and cut a frontal slice 2 cm behind the corpora mamillare
8. From the anterior and posterior part as well as the 2 cm slice one can prepare the samples Q until TA (basal ganglia, thalamus, hippocampus, nucleus accumbens).
9. As a last step, brain stem and cerebellar areas will be prepared (sample U until N. dentatus)
10. Cut samples from musculus psoas, m. quadriceps femoris, liver, abdominal fat for analysis of metabolic syndrome and take one blood sample for genetical analysis.

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Prof. Dr. Hans Kretzschmar

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www.brainnet-europe.org

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Section Protocol



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