HENRIETTA PÉTER-PAKÓ

National Academy of Scientist Education, 2nd year

University of Debrecen
Faculty of Medicine, 3rd year

YEAR OF BIRTH:

2004

FORMER SZENT-GYÖRGYI PUPIL:

no

SZENT-GYÖRGYI MENTOR:

Zsuzsa Bagoly

JUNIOR MENTOR:

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SPECIALIZATION:

Hemostasis investigations

SECONDARY SCHOOL:

Ady Endre Theoretical Lyceum Nagyvárad

NAME OF TEACHER:

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LANGUAGES:

English/proficiency

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

Strokes are caused by ischaemia in 80-85% of cases, ischaemia in 12-15% of cases, and subarachnoid haemorrhage (SAV) in 3-5% of cases. Half of all stroke patients are lost within the first month, only 1/3 of survivors regain their previous quality of life. While there have been several breakthroughs in the treatment of ischaemic stroke over the past decades, the treatment of haemorrhagic stroke has not changed considerably. The mechanisms of hematoma progression in ICH and causes of vasospasm and late ischaemia in SAV are still poorly understood.
The aim of our study is to identify specific coagulation and immunological abnormalities that influence hematoma progression and outcome in ICH and SAV. In SAV we aim to identify markers of vasospasm and late ischaemia. Our work is based on two prospective observational studies involving 100 ICH and 100 SAV patients. Blood samples obtained from patients will be analysed for coagulation, fibrinolysis and certain immunological parameters, and the results will be evaluated using predefined outcomes by complex statistical methods. Results of our study may provide key information for improving the management of hemorrhagic stroke patients.

AMBITIONS AND CAREER GOALS

During my university years, my main goal is to gain as much knowledge and experience as possible in both clinical and research work. I believe that these two disciplines are closely interlinked, so as a medical student, I consider it extremely important to become a clinician who is actively involved in biomedical research. My laboratory work during my studies can provide a solid basis towards this goal. My future plans include obtaining a PhD degree after graduating from medical school.

HONORS AND PRIZES

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PUBLICATIONS

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