



Fund “Nauka” Project № 21011 Resume – Competitive-based Session 2021:

“Research of good European practices for amniotic membrane and cornea transplantation”

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Ophthalmic transplantation is an area with new and rapidly evolving perspectives, which will allow the application of hybrid technologies and tissue engineering to achieve better optical results and homeostasis of the anterior ocular surface. The creation of innovative transplants, bioproducts, and medical devices is a relatively undeveloped niche in Bulgaria, contributing to the return of the sight of many patients with permanent disabilities. Unfortunately, there are legislative gaps for many of these processes, and the gathering search for good European practice is a possible solution.

This interdisciplinary applied project aim has two components: 1) research of the good European practices; 2) presentation of a concept for the transplantation in the ophthalmology, in compliance with Bulgarian legislation and applicable to in Bulgaria.

Material and methods: Collection information from the European Union countries using an online questionnaire. The survey results will be collected, mixed, and analyzed, and then based on the outcome a concept will be created. The main tasks are determining where Bulgaria is standing compared to the EU practices in the transplantation and the ophthalmology in EU practices and proposing the implementation of the good and working practices, according to local conditions.

Expected results: This is the first research on good EU practices for eye transplantation in Bulgaria. It will create an opportunity to change some of the transplant activities. The transplantation law contains the thesis on applying practices approved by the European legislator in the absence of national legislation. The multidisciplinary team of the project allows an overview of the problem from a legal and medical point of view, which is a guarantee for finding practical solutions to improve transplantation in ophthalmology nationwide. Ensuring publicity of the results is also provided.