



## Decision of the Scientific Research Ethics Committee

**No. 4001 of 16.01.2026**

The Scientific Research Ethics Committee within the George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș evaluated from the perspective of observing the ethical norms of scientific research the study proposal entitled

**“Optimizarea metodei de reticulare fotochimică în țesutul animal cadaveric.  
Perfecționarea tehnicii de iradiere pentru țesut ocular și investigarea potențialelor leziuni”**

Addressed to the Commission on 10.12.2025 by **Ms. Pop Nadja Emily**, position PhD student, employed by UMFST G.E. Palade Tg. Mureș.

Following the evaluation of the documents submitted, the Committee decides:

**b) making the following changes to the proposed study and sending the new proposal back to the Committee:**

1. In the form *“Application for approval of research on experimental animals, UMFST-REG-74-F02-Ed.04 EN”*:
  - The method of collecting the biological material is not described. The specific conditions for obtaining eyeballs from the slaughterhouse, the interval between slaughter and harvesting, the personnel responsible, and the procedures for maintaining tissue integrity are not outlined.
  - The method of preserving and transporting ex vivo tissues is not specified. Important details are missing about the preservation environment, temperature, maximum storage duration, and conditions that could affect the viability and biomechanical properties of ocular tissues.
  - The description of the photochemical crosslinking process is inadequate. It lacks specific details about the crosslinking agent used, the light source, wavelength, intensity, exposure time, work protocol, and safety precautions. Without this information, it is impossible to evaluate the method's reproducibility and safety.
  - Explicit criteria for including and excluding samples are not specified. Information is missing about the exact species used in each case, the animals' age, their health status, slaughter conditions, and any exclusion criteria that could affect the validity of the results.
  - The rationale for the sample size is insufficient. No statistical analysis or scientific reasoning is provided to justify the minimum number of ex vivo eyes needed to meet the proposed objectives.
  - The working methodology must be rewritten, supplemented with bibliographic sources.

President of Scientific Research Ethics Committee

Conf.univ.dr. Orbán-Kis Károly

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