Modeling the state of endothelial cells by their photographic image

S.A. Matyunin ¹, N.S. Seliverstova ¹
¹ Samara State Aerospace University

Abstract

The article considers the algorithms for processing the images of endothelial cells and the issues related to simulating the process of their growth to predict the course of diseases.

Keywords: endothelial cell, photographic image, processing image, disease.

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Access full text (in Russian)

References

- [1] Matyunin SA, Seliverstova NS. Algorithm for the recognition of images of eye epithelial cells and the early disease detection system based on it. In Book: Collection of scientific papers of the Research Institute of Instrumentation Engineering, Vol 4. Samara: 1998: 11.
- [2] Matyunin SA, Borisov AB. Computer software complex for the analysis of the epithelial layer of eye cells. Vestnik of Samara Aerospace University 2000; 3: 34.
- [3] Matyunin SA. Methods and means of predicting diseases by the state of endothelial cells. Presentation at the exhibition "World of Medicine" (Samara) 2000.