

Analytical program
Immunohistochemistry
ACADEMIC YEAR 2022-2023

Course (content units)	No. hours
Immunohistochemistry - definition, history, immunohistochemical markers	1
Antigens, antibodies - methods of production, structure, reactivity, antigen-antibody complex	1
Immunohistochemistry techniques, internal and external control (positive and negative)	2
Markers for epithelial cells	1
Markers for mesenchymal cells	1
Markers for endothelial cells	1
Markers for muscle cells	1
Markers for nerve tissue cells and neuroendocrine cells	1
Leukocyte markers	2
Markers of cell proliferation	1
Markers for cell growth factors	1
Matrix metalloproteinases in normal and pathological processes	1

REFERENCES

1. Mogoanta L., Popescu Carmen Florina - Ghid de tehnici de histologie, citologie si imunohistochimie. Editura Medicala Universitara Craiova, 2007;
2. Zoltan P., Eموke H., Janos J. - Imunohistochimie: baze teoretice: aplicatii practice, Editura University Press, Targu Mures, 2004;
3. Ardeleanu Carmen, Comanescu Violeta, Zaharia B. - Imunohistochimie. Editura Sitech, Craiova, 1999;
4. Sternberger L.A. - Immunocytochemistry, Second Edition. A Wiley Medical Publication, New York, 1979.

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