

Χαρακτηριστικά;

- Provides current concepts of cytology of effusion samples for those new to using flow cytometry
- Presents practical tips on sample processing, acquisition and analysis with an aim to improve diagnostic accuracy
- Includes real case examples where the use of flow cytometry detects malignant epithelial cells in effusion samples successfully
- Provides the ability for objective quantitative data, reducing the subjectivity often associated with traditional microscopy-based methods

Περιεχόμενα:

1. Cytology of effusion fluids: An introduction
Pariksha Gupta, Nalini Gupta
2. Cerebrospinal fluid—Physiology and cytological evaluation
Rashmi Kushwaha
3. Cerebrospinal fluid analysis for metastatic malignancies
Sumaira Qayoom, Namrata P. Awasthi
4. Challenges and limitations in ascertaining a “gold standard” technique for malignant effusions and cerebrospinal fluid
Pariksha Gupta
5. Flow cytometry: Basic principles and techniques
Khaliqur Rahman, Mona Singh
6. Flow cytometry in effusions: Lessons from the literature
Namrata P. Awasthi, Gauri Gaur
7. Flow cytometry as a tool for detecting malignant epithelial cells in effusion fluids-technique and assay standardization
Namrata P. Awasthi, Thulasi Raman Ramalingam, Gauri Gaur
8. Cerebrospinal fluid analysis for metastatic hematological malignancies by flow cytometry
Khaliqur Rahman
9. DNA ploidy analysis of body fluids and cerebrospinal fluid
Venkatesh Dhanasekaran, Namrata P. Awasthi, Praveen Sharma, Nabhajit Mallik
10. Flow cytometry for pediatric small round cell tumors
Jasmita Dass
11. Challenges in conventional flow cytometry
Ruchi Gupta

12. Beyond flow cytometry: Emerging cellular assays

Firoz Ahmad, Sowmya Sharma

13. Flow cytometry for body fluids and cerebrospinal fluid: Oncologist's perspective

Saksham Singh, Aditya Jandial