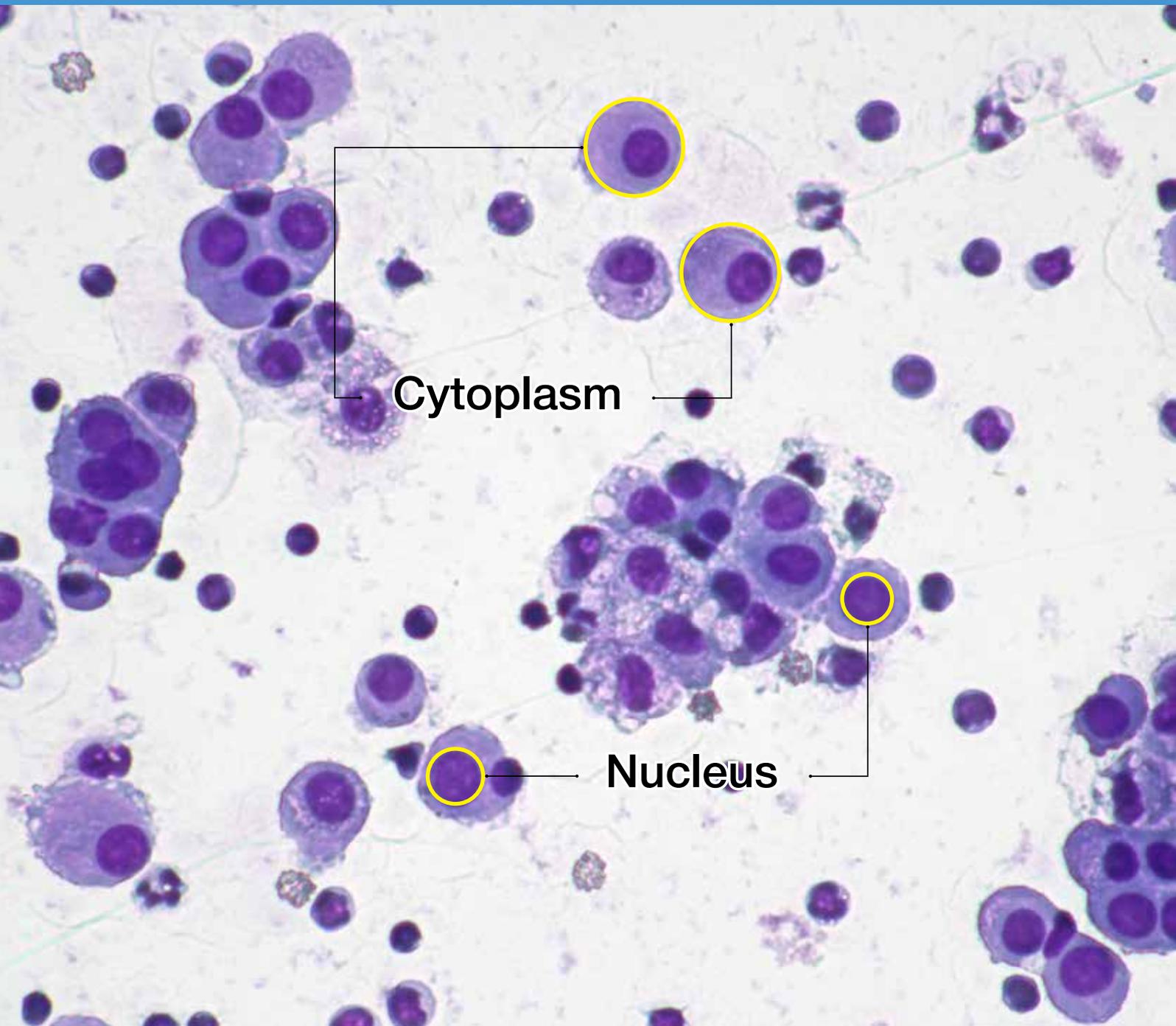


Vision Cyto[®] Basic

Cytological analysis systems

Recommended
for educational
purposes



Digital cytology

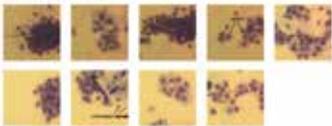
For medical colleagues, universities, laboratory technician education, post-graduate courses, professional enhancement, clinical studies, science and research

Hints from the atlas

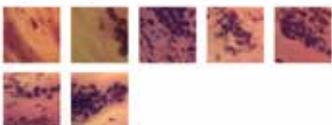
Develop your professional expertise by creating and maintaining an atlas. Add images with comments for later reference.

• Non-keratinizing squamous cell carcinoma

• Pharyngeal swab



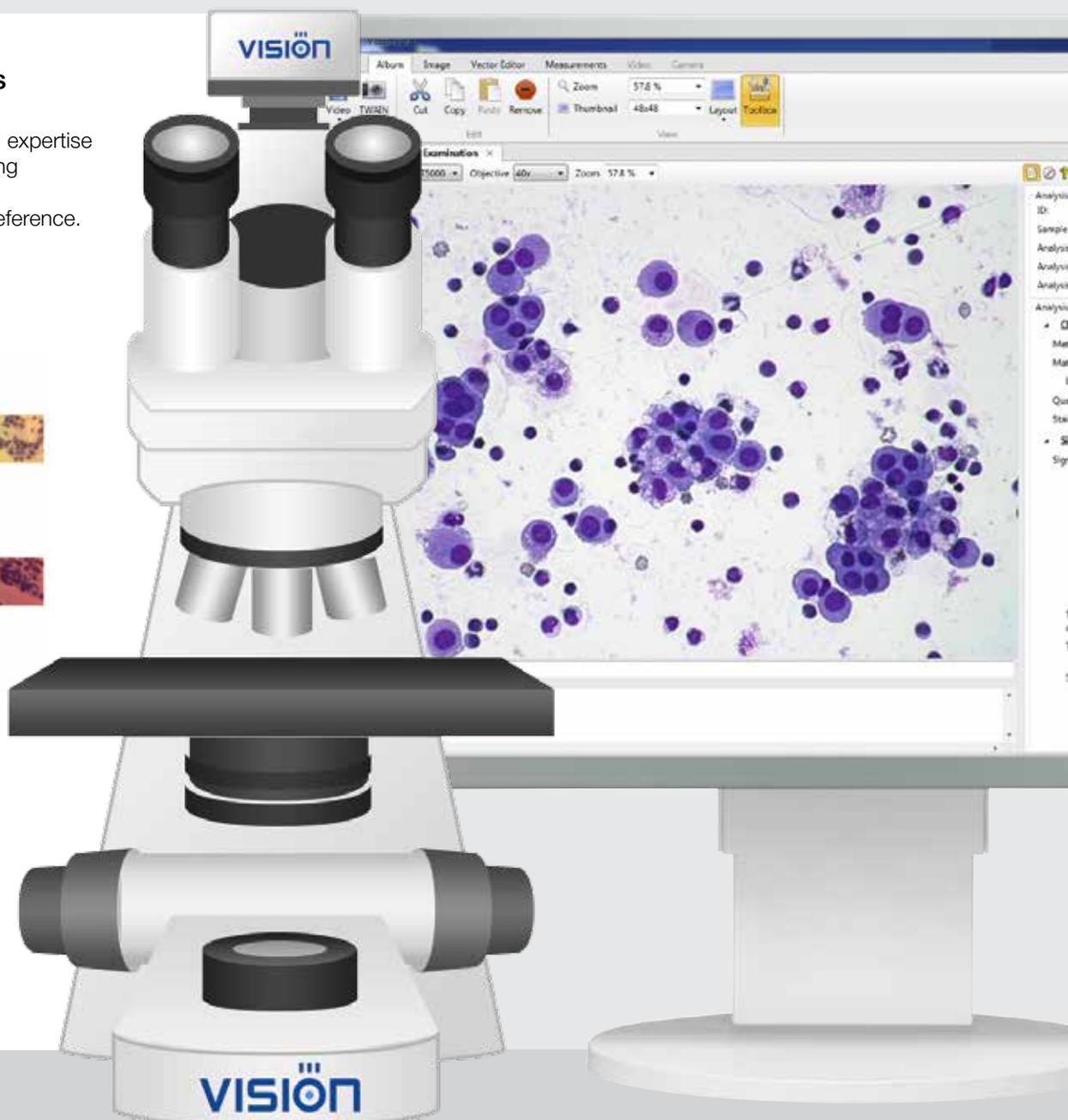
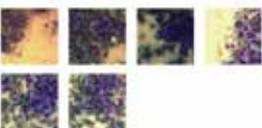
• Vaginal smear



• Low differentiated carcinoma of lung



• Papillary thyroid carcinoma



Sample microscopy

Find a required object on the cytology sample in video mode, and capture its digital image.

Simple interface

The toolbar is designed according to analysis' algorithm and ensures compliance with all procedure stages, thus providing reliable results. The toolbar has minimal size to retain space for working with images.



Combination of innovative technology and classical microscopy extends working possibilities

A pre-set algorithm for cytology analysis

An irreplaceable assistant offers a standardized algorithm for the cytological examination. Raise the quality of cytological examinations to a new level.

Analysis Attributes

➤ **Characteristic of smear**

Method of obtaining: Exfoliative

Material: Cervical scrapings

Localisation: Endocervix

Quantity: Multicellularity

Staining: Azure-eosin (Romanovsky, Pappenheim)

➤ **Signs of cellular atypia**

Signs

- Increasing the size of cells
- Increasing the size of the nucleus
- Violation of nuclear cytoplasmic ratio toward the increase of nucleus
- Uneven contour of the nuclear envelope
- Presence of nucleoli in the nucleus
- Changes in the structure of chromatin
- Inclusions in cytoplasm
- Phagocytosis
- Vacuolation
- Presence of structures
- Signs of inflammation

Type of changes in the structure of chromatin: Coarse-grained Soft

Type of structure: Granular Papillary

Signs of inflammation

- Cytolysis
- Dyskeratosis
- Hyperkeratosis
- Parakeratosis
- Dyskaryosis
- Metaplasia
- Cellular elements of inflammation

Elements

- Leucocytes
- Macrophages
- Reticular cells
- Lymphoid elements

➤ **Proliferative activity**

Attributes

- Presence of mitosis
- Presence of multinucleated cells
- Cellular polymorphism

➤ **Characteristic of cells**

Differentiated features: Glandular

➤ **Characteristic of nucleus**

Signs of dystrophy and necrobiosis

- Karyorhexis
- Karyopyknosis
- Karyolysis

➤ **Characteristic of nucleolus**

Quantity: 1-2

➤ **Characteristic of background**

Presence of cell debris: No

➤ **Cytological album of diagnoses**

Result Interpretation: Glandular hyperplasia Templates

Notes: Case follow-up is required Templates

Diagnoses: Diagnosis: Diagnosed Removed

Established Diagnoses: New

Solution for educational purposes



Education

Education today is easier and more effective using modern technologies. Demonstration and discussion of the practical and theoretical material on the screen make the learning process clearer and easier.



Professional development

Theoretical knowledge and practical skills improve every day thanks to:
— maintenance and use of the atlas
— discussion with colleagues and experts



Medical councils

Discuss difficult cases simultaneously with several specialists. Formulate an accurate diagnosis, as well as tactics and strategy for further examination and treatment, together with your colleagues.



Remote access

Organize video conferences with colleagues from around the world. Discuss difficult cases simultaneously with other specialists.



Network capabilities

Share information with people wherever they are. Send your reports by email. Publish your research on specialized online networks.



Online-testing

Improve proficiency of specialists within the institutions. Modern education methods save your time and resources.

* Product images are shown for reference only and final product may differ

