

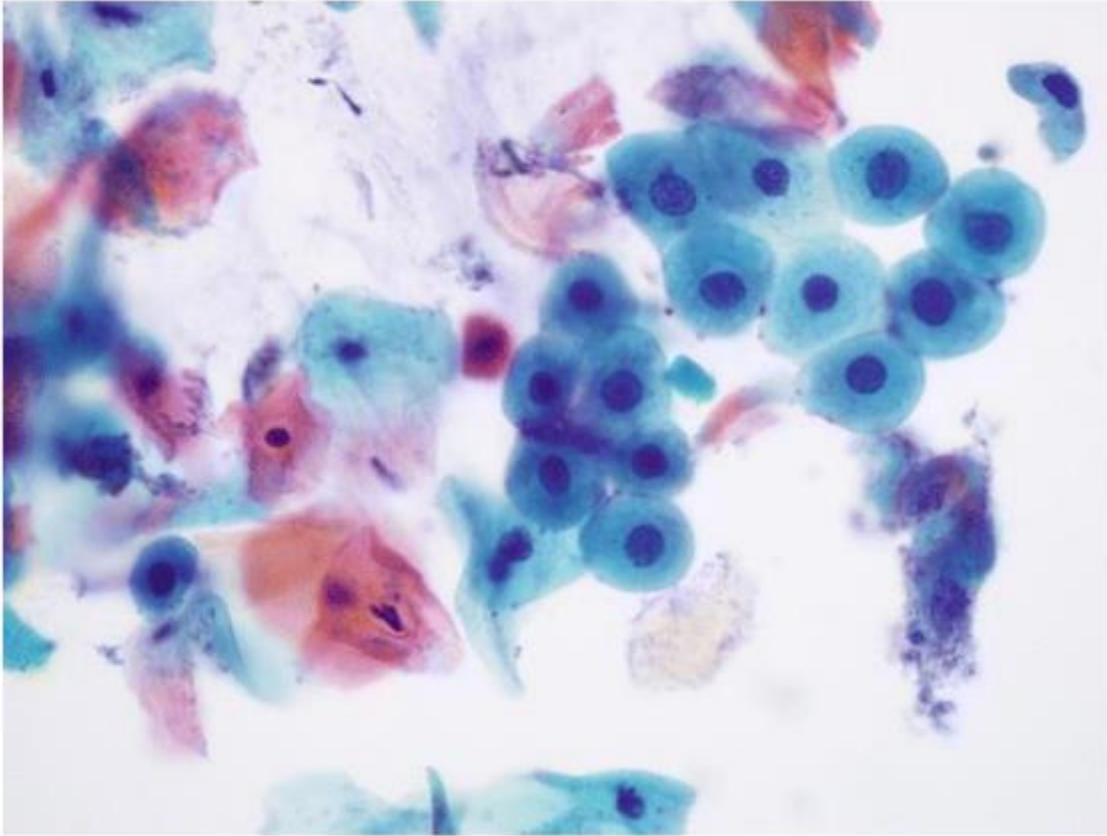
Educational contents program

CYTOLOGY

المحتوى الخامس

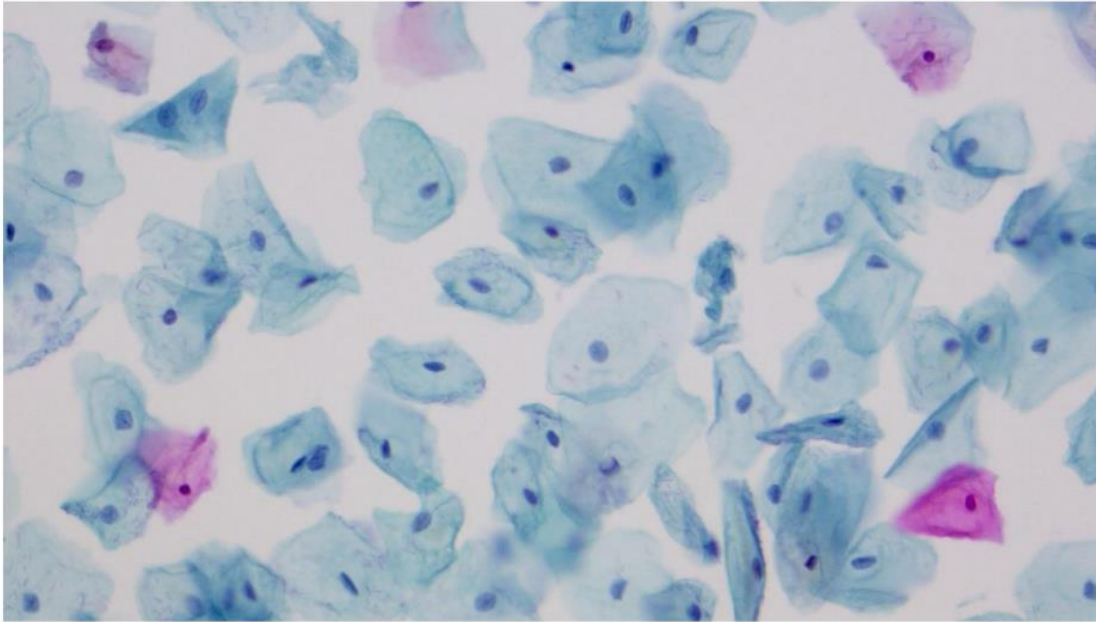
NILM

Negative for Intraepithelial Lesions or Malignancy (NILM) .The category of (NILM) indicates that specimen was adequate for evaluation and that the cells present showed no evidence of abnormality.



NILM SEVERAL ROUND SQUAMOUS METAPLASTIC CELLS with dense cytoplasm

For normal cells found in a pap smear, please read
<https://ssch.org.sa/2022/10/23/cytology-3>



NILM Negative for intraepithelial lesion or Malignancy without transformation zone .

Other non-neoplastic findings:

- 1-Squamous metaplasia.**
- 2-Keratotic changes**
- 3-Tubal metaplasia.**
- 4-Atrophy**
- 5-Pregnancy associated changes.**
- 6-Reactive cellular changes with association specified**
- 7-Inflammation.**
- 8-Lymphocytic (follicular) cervicitis.**
- 9-Radiation.**
- 10-Intrauterine contraceptive device changes.**

Organisms:

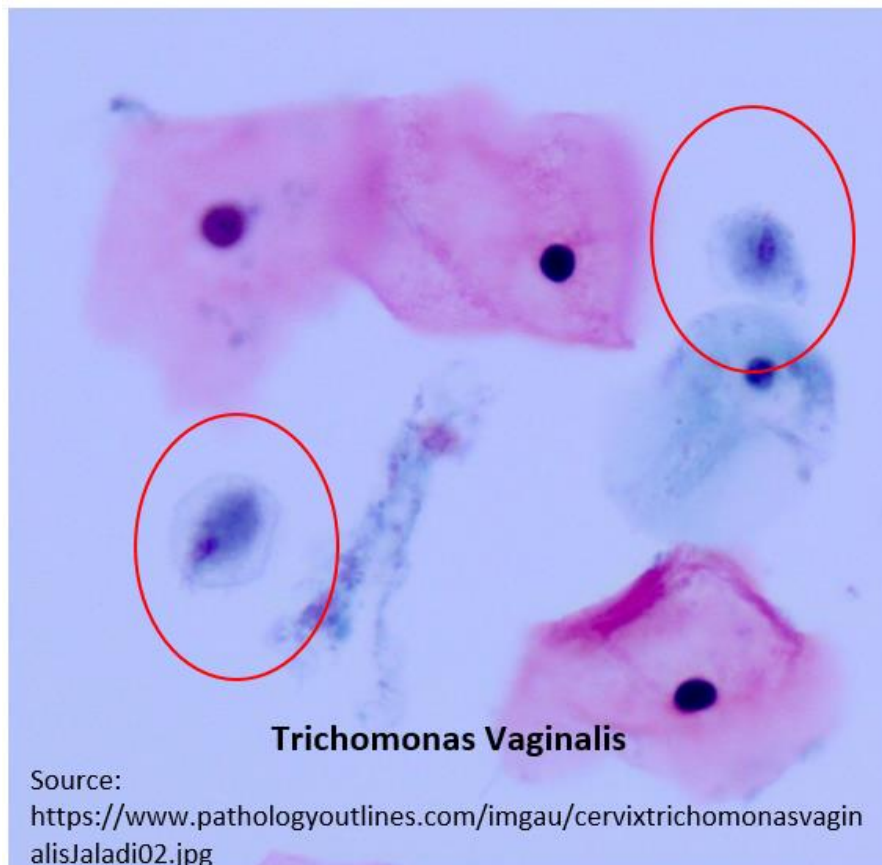
1-Trichomonas vaginalis.

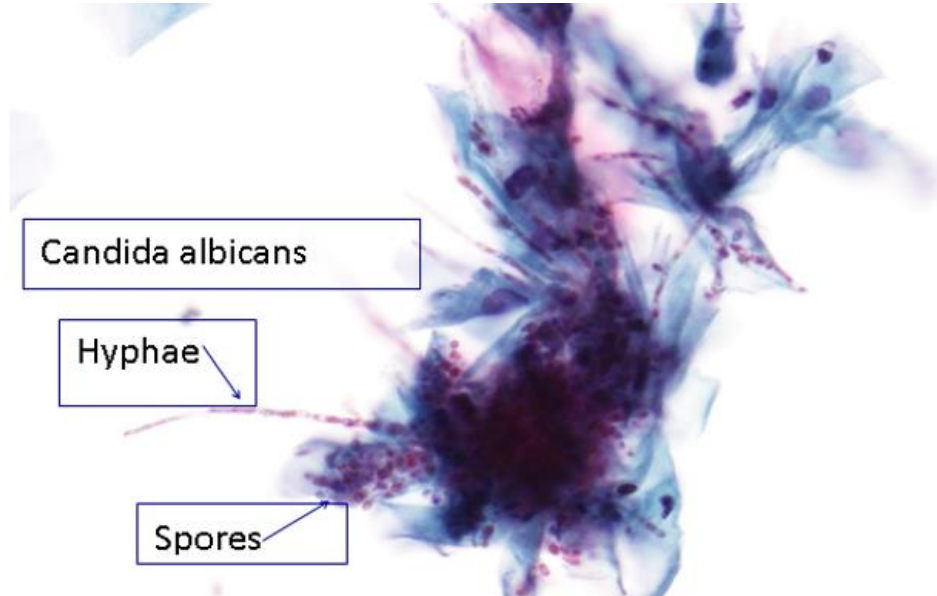
2-Fungal organisms (Candida species).

3-Shift in flora suggestive of bacterial vaginosis.

4-Bacteria morphologically consistent with Actinomyces species.

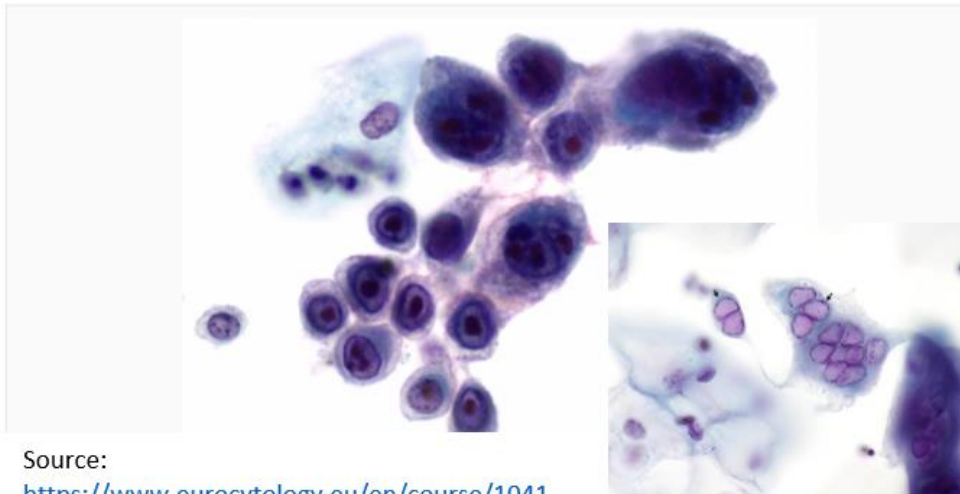
5-cellular changes associated with viruses (Herpes simplex virus - Cytomegalovirus).



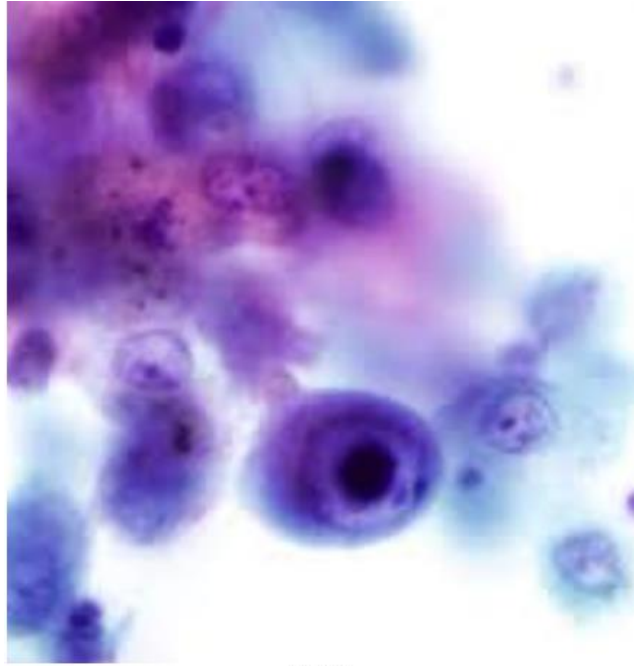


Source:
<https://www.eurocytology.eu/en/course/1041>

Figure 9b-11 (a-b). Herpes virus infection of the cervix (a) Margination of chromatin and ground glass appearance of nuclei (b) Margination of chromatin, multinucleation, cytomegaly and eosinophilic inclusions.

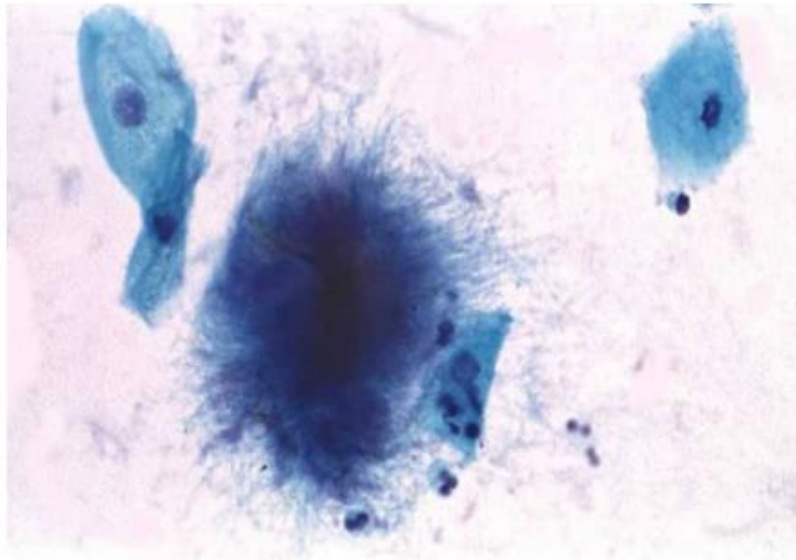


Source:
<https://www.eurocytology.eu/en/course/1041>
<https://www.sciencedirect.com/science/article/pii/S237428952100316X#fig1-2374289518794191>



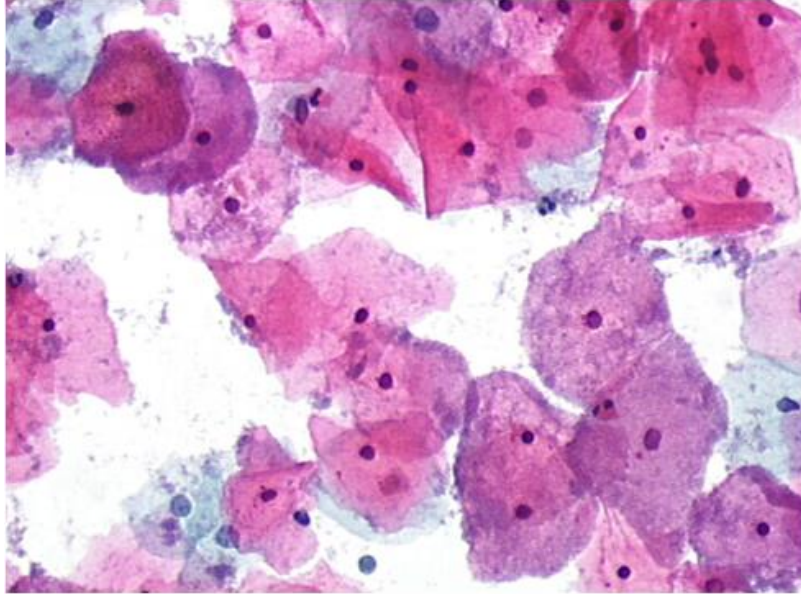
CMV

Source:
Dr. Haneen Al.Maghrabi



Actinomyces

Source:
<https://win.eurocytology.eu/static/eurocytology/ESP/cervical/mod4img9e.html>



**Shift in Vaginal Flora
Caused by Gardnerella Vaginalis**

Source:

https://screening.iarc.fr/atlascyto_detail.php?flag=0&lang=1&Id=cyt14591&cat=E2d

Made by:

Fatima Al Qassim

Edited, enhanced and approved by:

Abdulbasit Andijany, MSc, CT(ASCP), HTL(ASCPi) QLS

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