

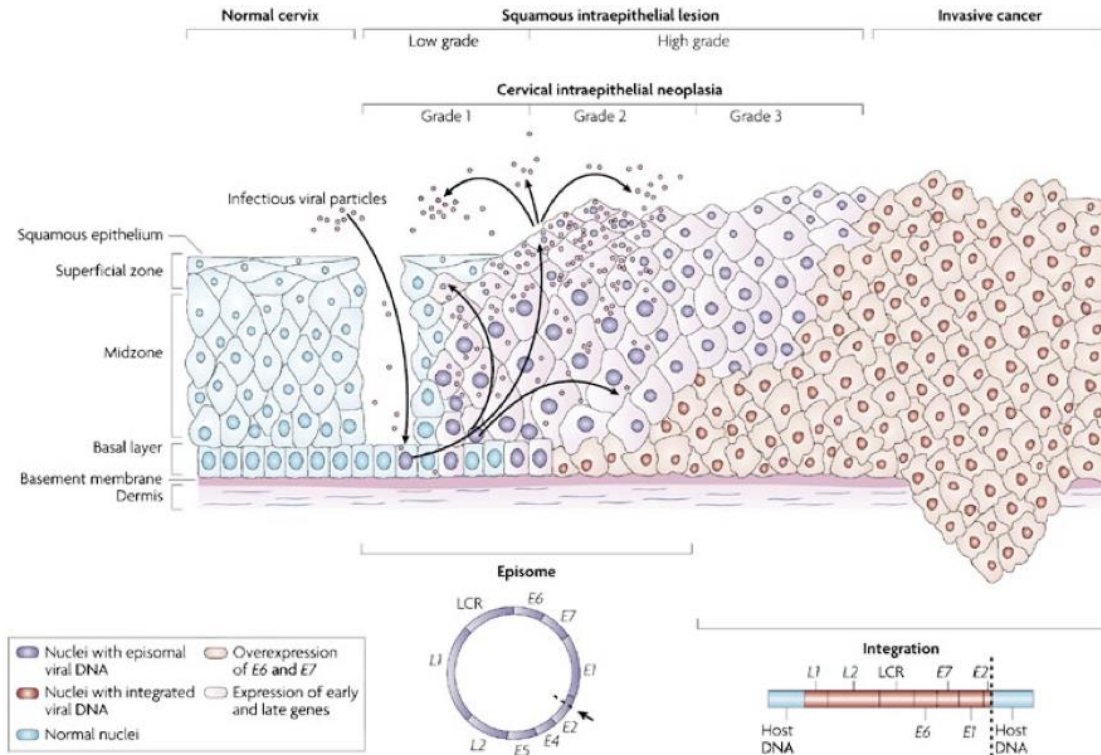


Flash Test: an innovative tool for a rapid HPV diagnosis



September 26, 2018

1 / High Risk Human Papillomavirus (HPV) infection is the greatest risk factor for cervical cancer



Nature Reviews | Cancer

2 / Actual screening methods



PAP test

60-70% average sensitivity (Cuzick et al., 2006)

Cytologic test – detects already present alterations



VIA test

See and treat protocol

50% specificity

20% relapse after treatment

3 / New perspectives - HPV DNA test



Highly expensive

Trained personnel and specific instruments are mandatory

Extensive sample treatment is required

4 / UBM Flash Test

1 step

DNA
Extraction

2 step

DNA
Amplification

3 step

HPV
Genotyping

Not present in FDA approved Kit

1 step

ULISSE €
BioMed

1 step

- Woman positivity
- Genotyping
- Not invasive

2 international patent applications

5 / UBM Flash Test – multi platform HPV detection



**Cervical brush
in ThinPrep™**



**Extracted
DNA**



**Self collected
Vaginal
Secretions**



**Paraffin-Embedded
Formalin-Fixed
Samples**

5 / Acknowledgements



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POLO
TECNOLOGICO
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UNIVERSITÀ
DEGLI STUDI DI TRIESTE



Elettra Sincrotrone Trieste

