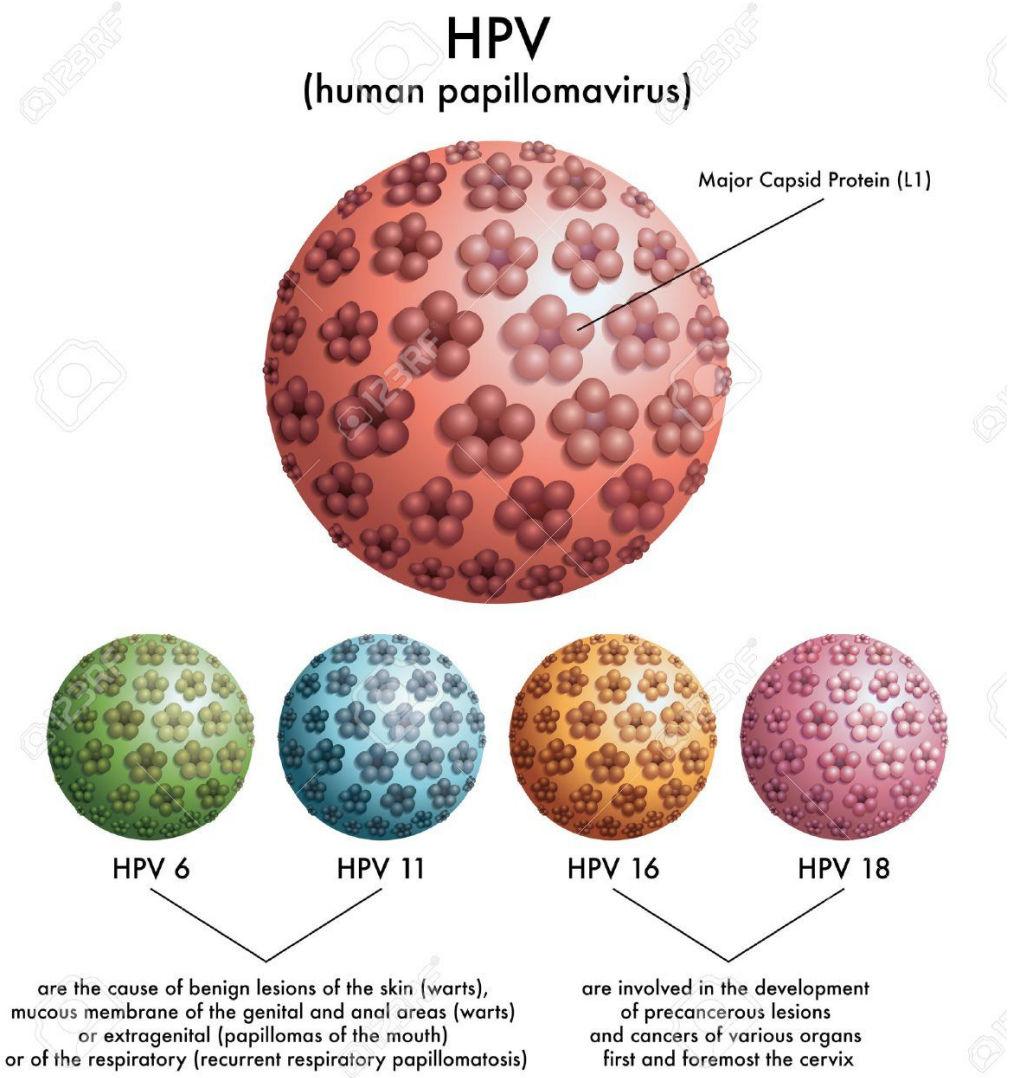
Cervical-Cancer-Screening-and-detection

Goal

1. A device with biosensors for detection of potential abnormal cells that may develop into cancerous cells and classification of the HPV cells.



N.B we are talking about the cervix here.

A. How do we get there??? What are the specifications of our device??? How do we give the doctor the visionary aspect of the cervix??? How do we detect the potential cancerous cells??? How do we collect samples???

- I think we need a speculum of our own design. What for the specs…
- All this bullshit of sensors {camera and bio-sensors} need to be concatenated into this speculum.
- And a suction pipe for extracting dead and weak cells along the lining of the cervix.
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B. What is our diagnosis program???

- First degree of diagnosis { digital images + temperature of cells and samples through suction }
- Second degree of diagnosis { Sorry!!! Old fashioned way… We have to scrub }

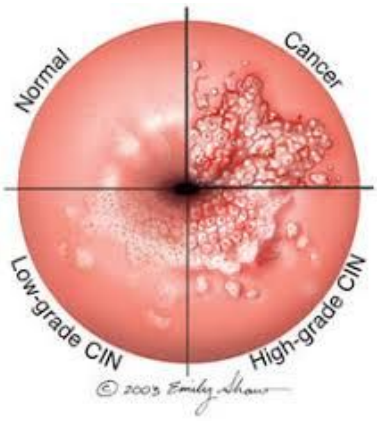


FIGURE 2.1:
VIA negative: No acetowhite area seen. Note the advancing edges of squamous metaplasia in the anterior and posterior lips (arrows).

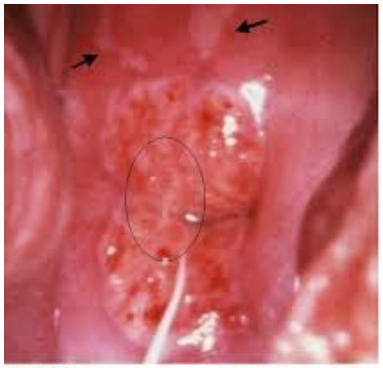
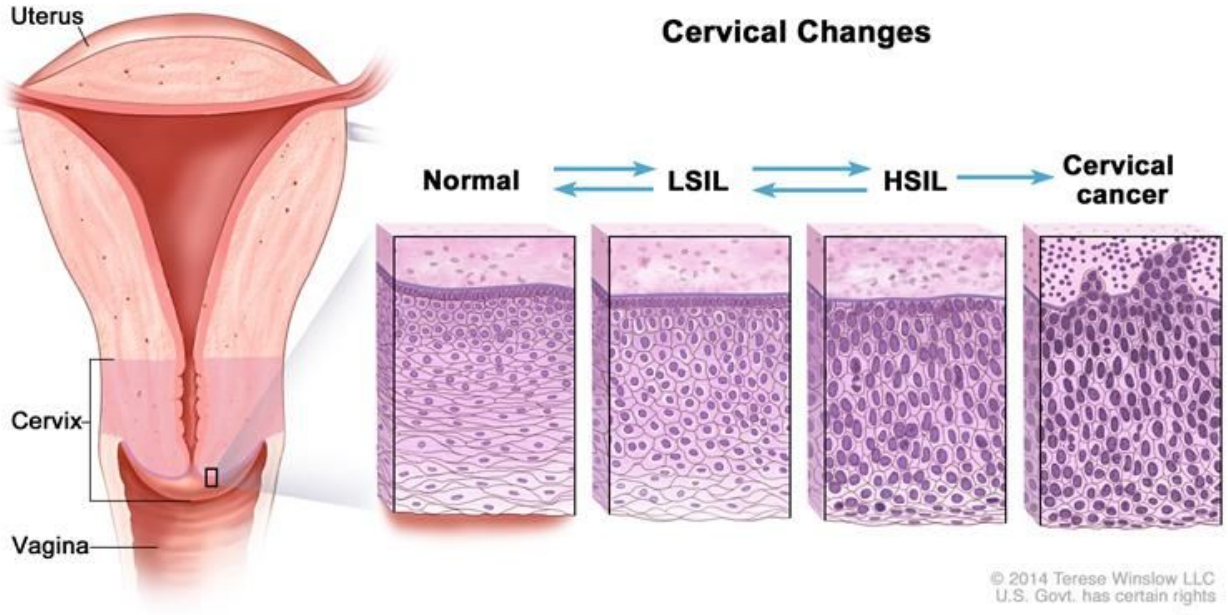


FIGURE 2.8:
VIA negative: There are pale white, satellite, geographical lesions with regular margins (narrow arrows) far away from the squamocolumnar junction (dense arrow). Note the streak-like acetowhitening in the columnar epithelium (within the oval area).



There is some device that exit, if we copy-cat that and make som e improvements, we're in.

Digital hand-held diagnostic scope set:Digital Eye-Fundus Camera,digital ophthalmoscope,Digital Otoscope,Digital Dermatoscope,Digital Speculum,Digital endoscope adapter and camera module

URL:
https://www.taiwantrade.com/product/digital-hand-held-diagnostic-scope-set-digital-eye-fundus-camera-digital-ophthalmoscope-digital-otoscope-digital-dermatoscope-digital-speculum-digital-endoscope-adapter-and-camera-module-479993.html#

Medimaging Integrated Solution, Inc. (MiiS) is a company gathering high technologies and intelligence that commits to design cutting edge products. By applying the most up to date optical system design on lens and imaging processing technology, we present a hand held digital device to the medical and healthcare industry. The design goal is to provide an accurate, easy to use, cordless, versatile medical device. This innovative product "Digital Hand-hold Diagnostic Set" is focus on improving diagnostic efficiency as well as providing a convenient way to assist medical and health care professionals collect information. To record and review a digital image or video, our devices are helping caregivers to communication with patients. The built in memory stores patient data and makes EMR a much ease task. It is a time saving device for doctors and

clinicians who can spend more of their valuable time with patients rather than recording information. The coreless and long life battery design avoids the clutter and support mess in clinical applications. Versatile modularized attachments can turn it into a Class – II Eye-fundus Camera, Class-I Otoscope Camera, Class-I Dermoscope Camera, or a Class-I Light Examination Camera. It can capture and display real time image in a built in 3.5" LCD as well as store, download and review.

MiiS is also an ISO13485 and GMP certified manufacturer in HsinChu Science Park, Taiwan. With its own manufacturing facility, we complete our design from drawing board to reality.

Main products:

1. Digital diagnostic set: main system unit with 3.5" LCD display and Li-ion battery.
2. Optional attachments: eye-fundus lens, dermoscope lens and otoscope lens.
3. Original design manufacturing (ODM) service for brand companies.

Technology:

1. Optical system design.
2. Digital imaging processing.
3. Value engineering.

Feature:

1. High image quality and specification.
2. Digital hand-held solution.
3. Friendly user experience.
4. Multiple electronic interfaces.
5. Upgradable for the camera lenses.

Application:

1. To improve the diagnostic efficiency and quality by the use of digital solution.
2. To reduce the total cost in diagnostic process.
3. To replace the traditionally optical scopes and tabletop endoscopic systems, an existing and huge market.

Market:

1. Health examination.
2. Telemedicine.
3. Electronic Record Management.
4. For hospital, clinics, skilled nursing facilities and health-care station.
5. Users: doctor, nurse and technician.