QUALITY ASSURANCE OF
VISUAL INSPECTION OF THE CERVIX

Comprehensive Visual Inspection of the Cervix with Acetic Acid (VIA) and Lugol's Iodine (VILI)
http://www.gfmer.ch/vic/

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VIA-based program requires quality assurance (QA) to assure successful implementation.

Digital imaging of VIA (D-VIA) is an adjunctive procedure to improve diagnosis performance.

D-VIA using Smartphone is a low-cost and easy-to-use method for QA.
The aim of this tutorial is to explain how to:

- take cervical pictures with Smartphone
- magnify the lesions using the zoom
- compare native to VIA and VILI by sliding through pictures
How to proceed?

1. Place the patient in the lithotomy position.
2. Insert and adjust the speculum. Remove any vaginal discharge using a dry or saline solution soaked cotton swab.
3. Place the Smartphone at 15 cm from the vulva.
4. Set the flash. Use the zoom to adjust the cervical circumference to the screen. Take the picture when the focus on the cervix is accurate.
5. **First picture:** native cervix
6. Then apply acetic acid and wait 1 minute.
7. **Second picture:** acetic acid
8. At last apply lugol iodine to the cervix.
9. **Third picture:** lugol iodine
10. Slide between pictures on the Smartphone to compare them to one another and find the diagnosis.
Place the patient in the **lithotomy** position. Insert and adjust the **speculum**. Remove any vaginal discharge using a dry or saline solution soaked cotton swab.
Place the Smartphone at **15 cm** from the vulva.
Set the **flash**. Use the **zoom** to adjust the cervical circumference to the screen. Take the picture when the **focus** on the cervix is accurate.
First picture: *native cervix*
Acetic acid and lugol iodine
Then apply acetic acid to the cervix and wait one minute.
Second picture: acetic acid
Apply lugol iodine to the cervix.
Third picture: lugol iodine
Slide between pictures on the Smartphone to compare them to one another.
Conclusions

Simple reproducible procedure that facilitates the identification of the lesions.

It allows a second opinion (telemedicine).

The acquisition of a learning pool is possible.

Documentation permits quality assurance.