



module5

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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Context

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**.

Learning objectives

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

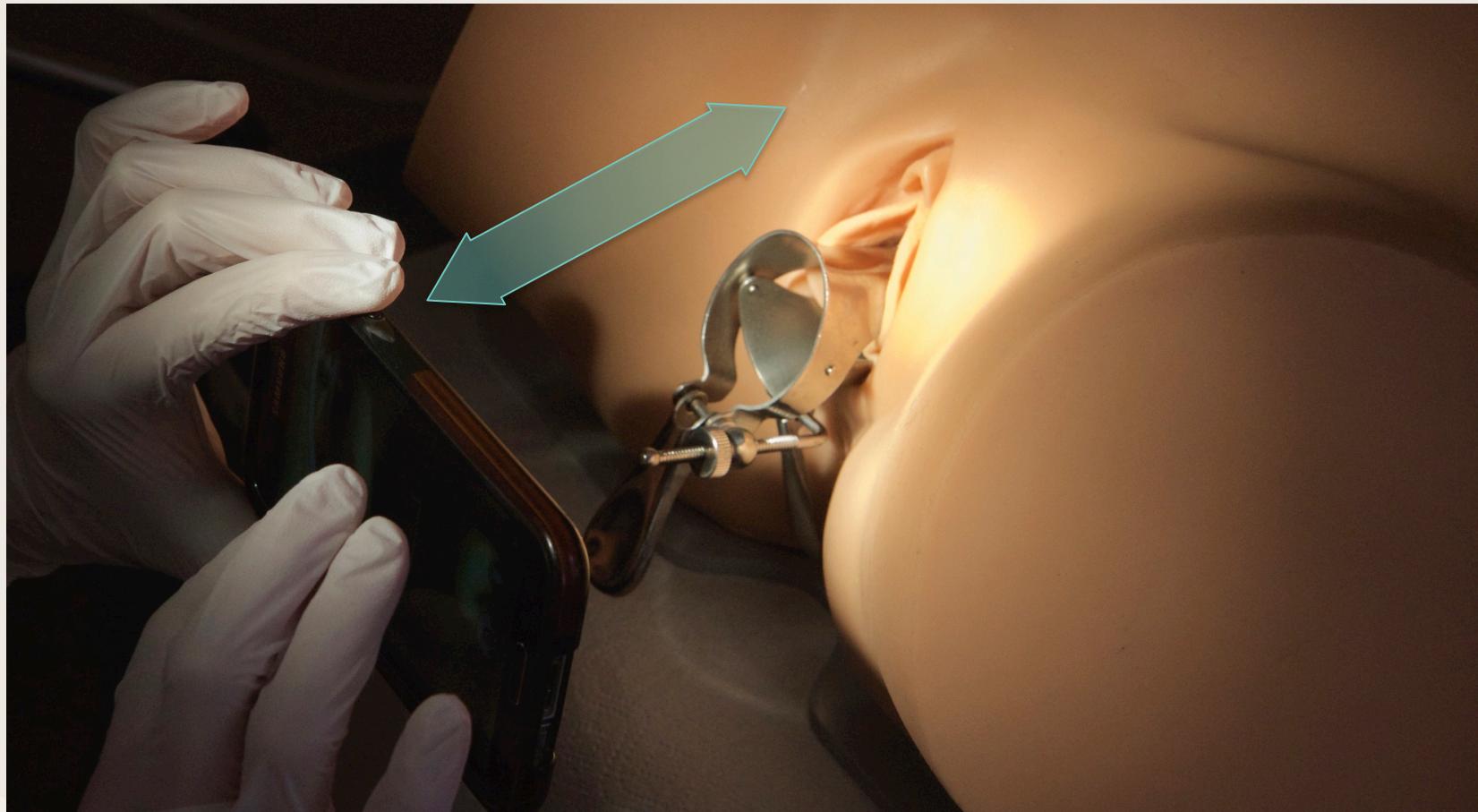
How to proceed ?

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.

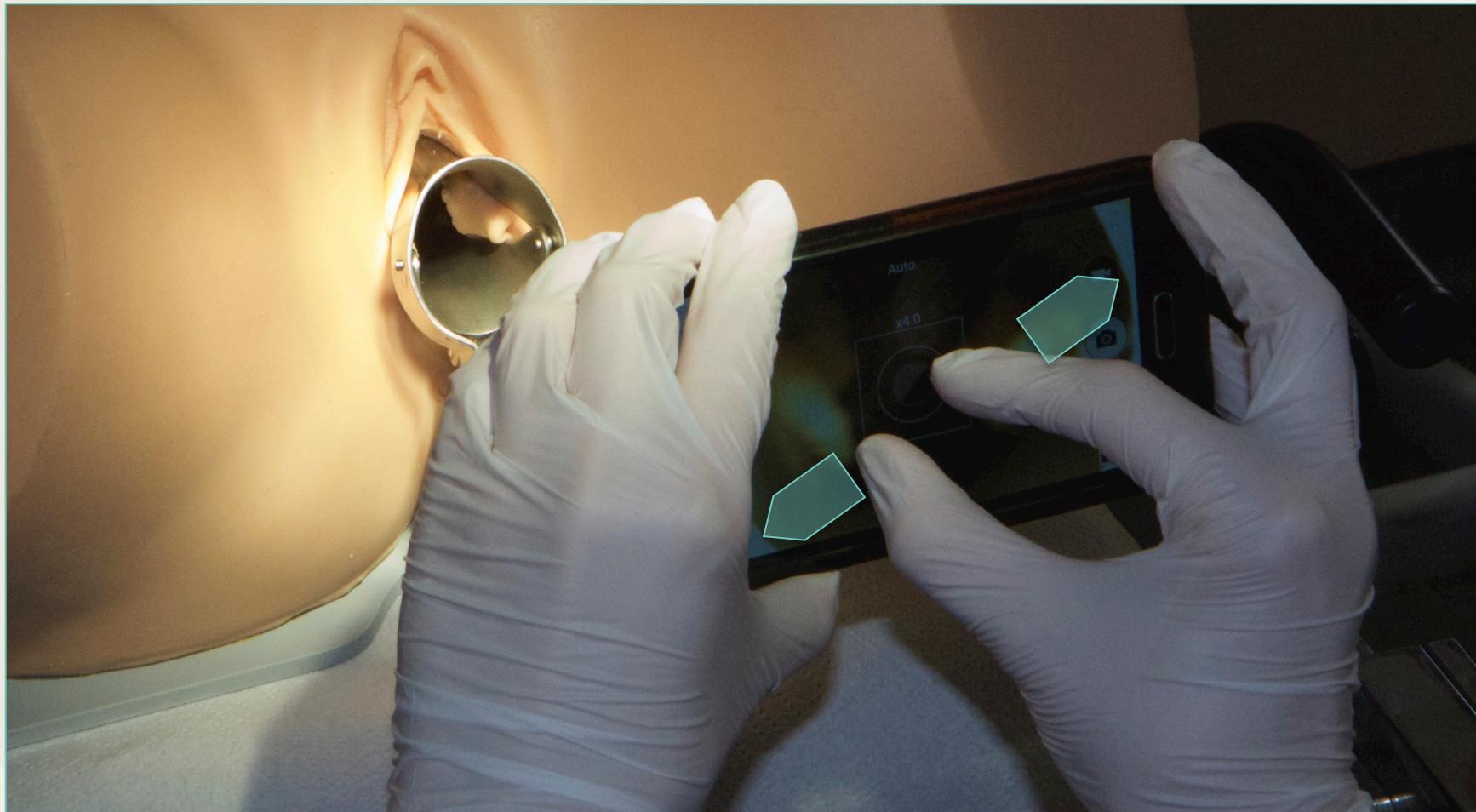
Place the patient in the **lithotomy** position. Insert and adjust the **speculum**. Remove any vaginal discharge using a dry or saline solution soaked cotton swab.



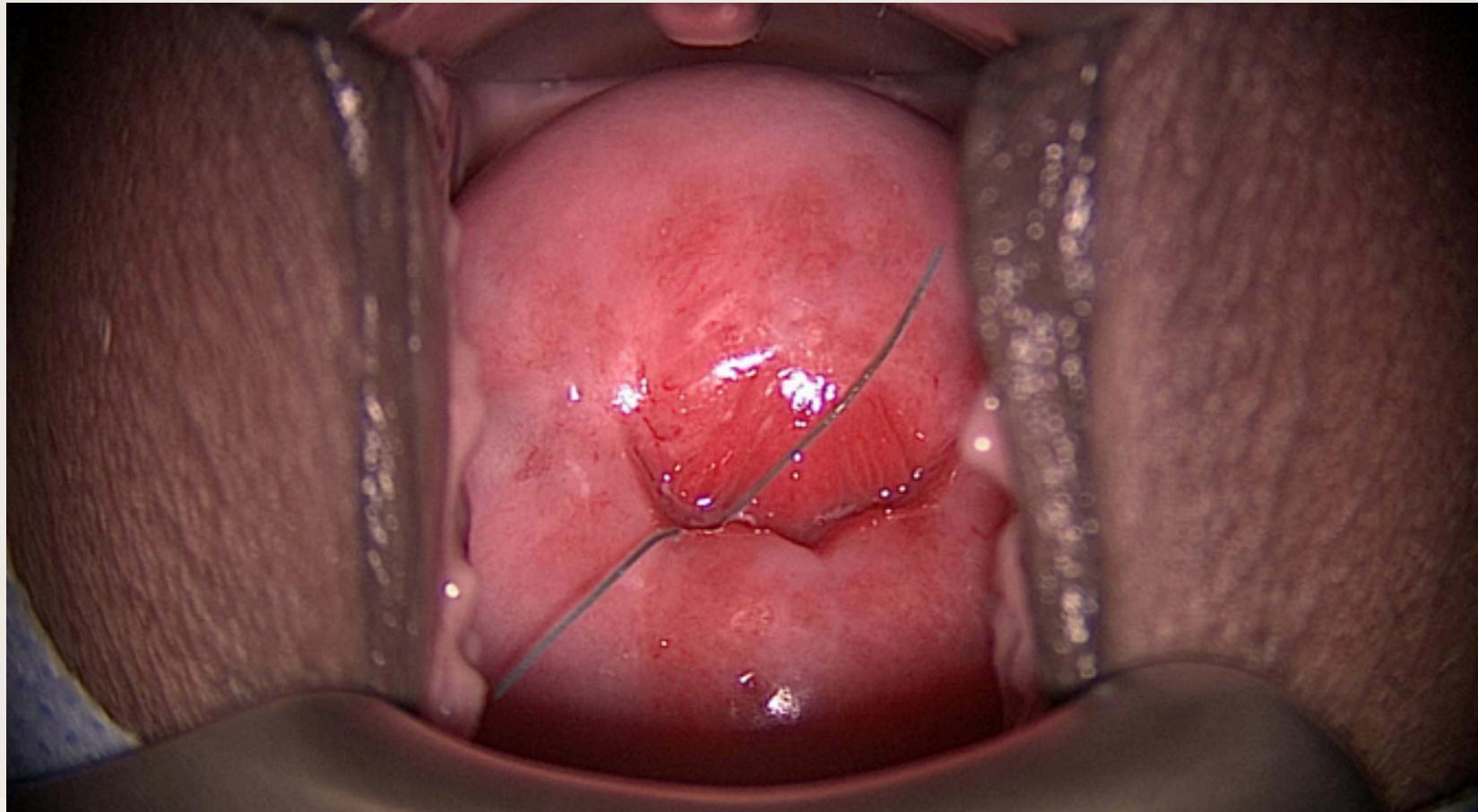
Place the Smartphone at **15 cm** from the vulva.



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*



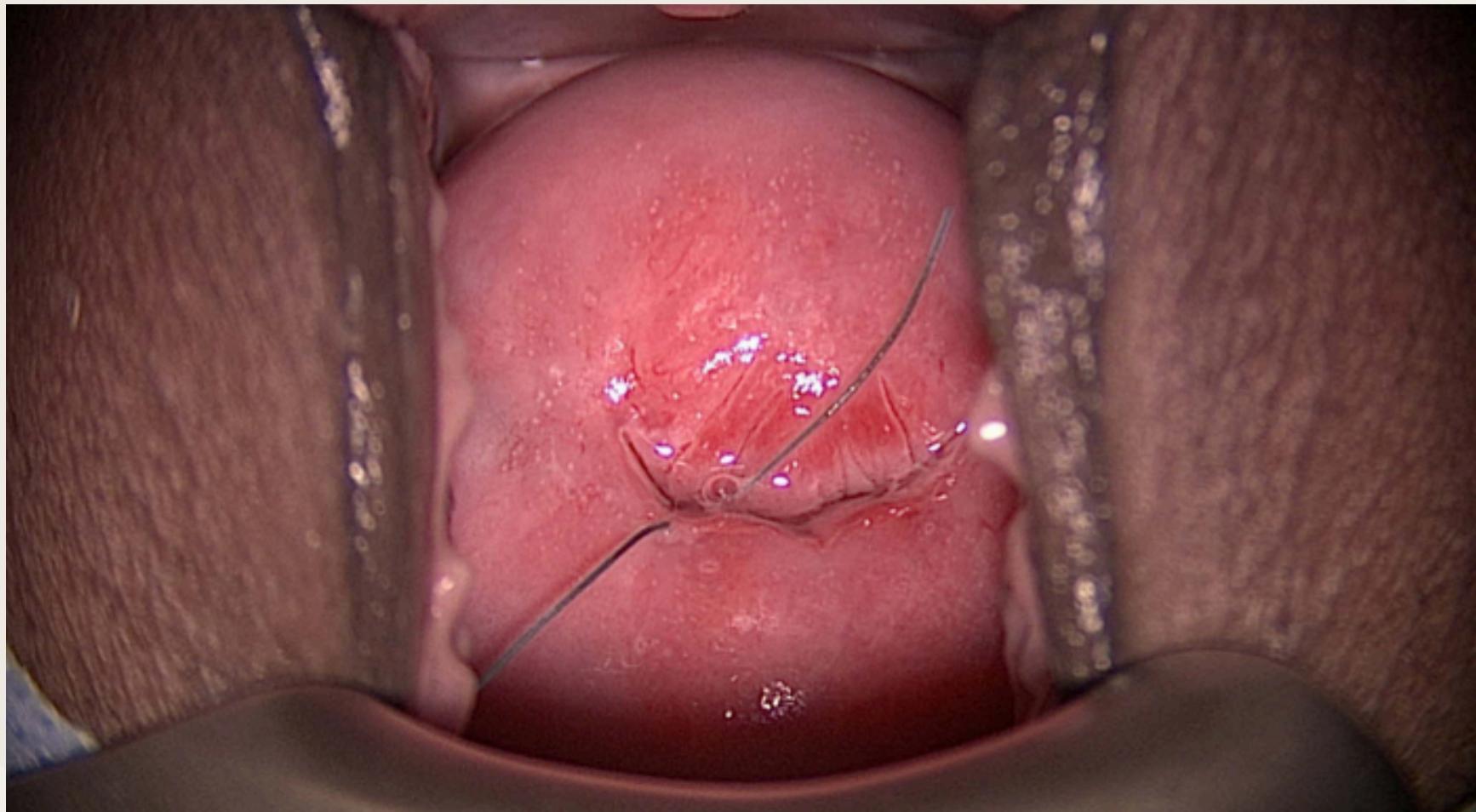
Acetic acid and lugol iodine



Then apply acetic acid to the cervix and wait **one minute**.



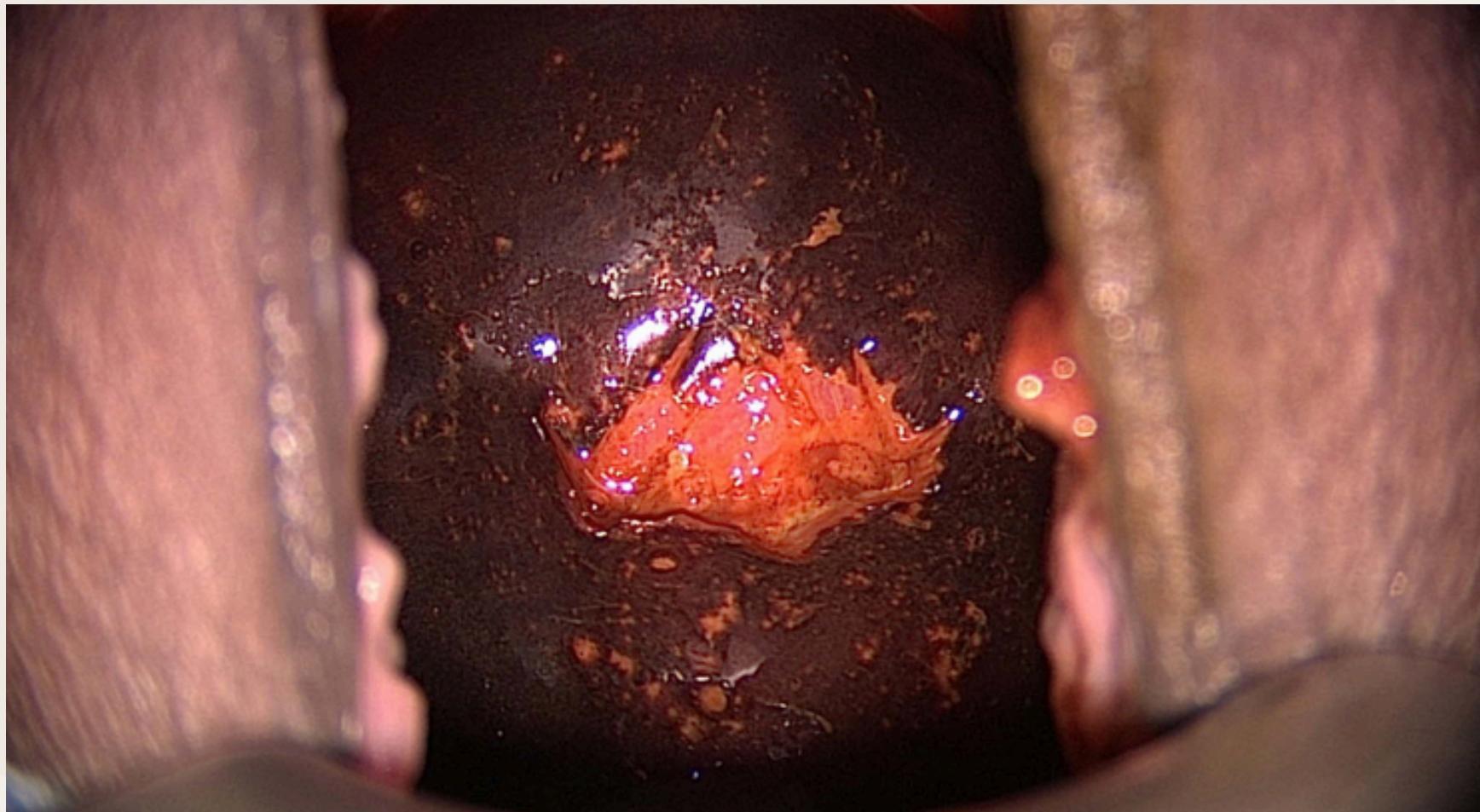
Second picture: *acetic acid*



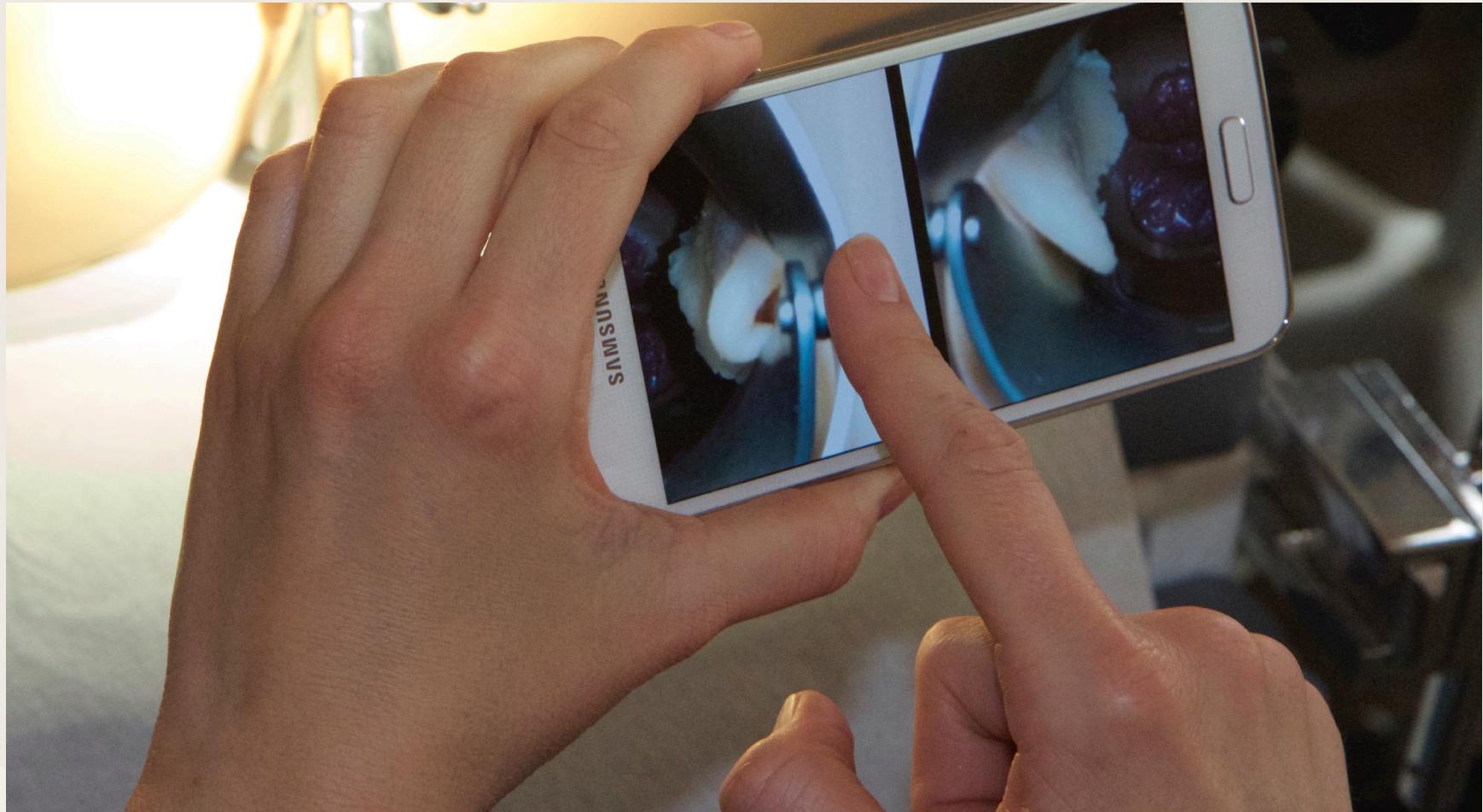
Apply lugol iodine to the cervix.



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 (*telemedecine*).

The acquisition of a learning pool is possible.

Documentation permits quality assurance.