

PAP SMEAR

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Cervical cancer

- ▶ Common among women worldwide
- ▶ Most cases occur in developing countries
- ▶ Screening and vaccination can decrease incidence and mortality rate in cervical cancer
- ▶ Screening can detect precursors and early-stage disease
- ▶ Treatment of these diseases can prevent the development of invasive cervical cancer

When should start being screened for cervical cancer ?

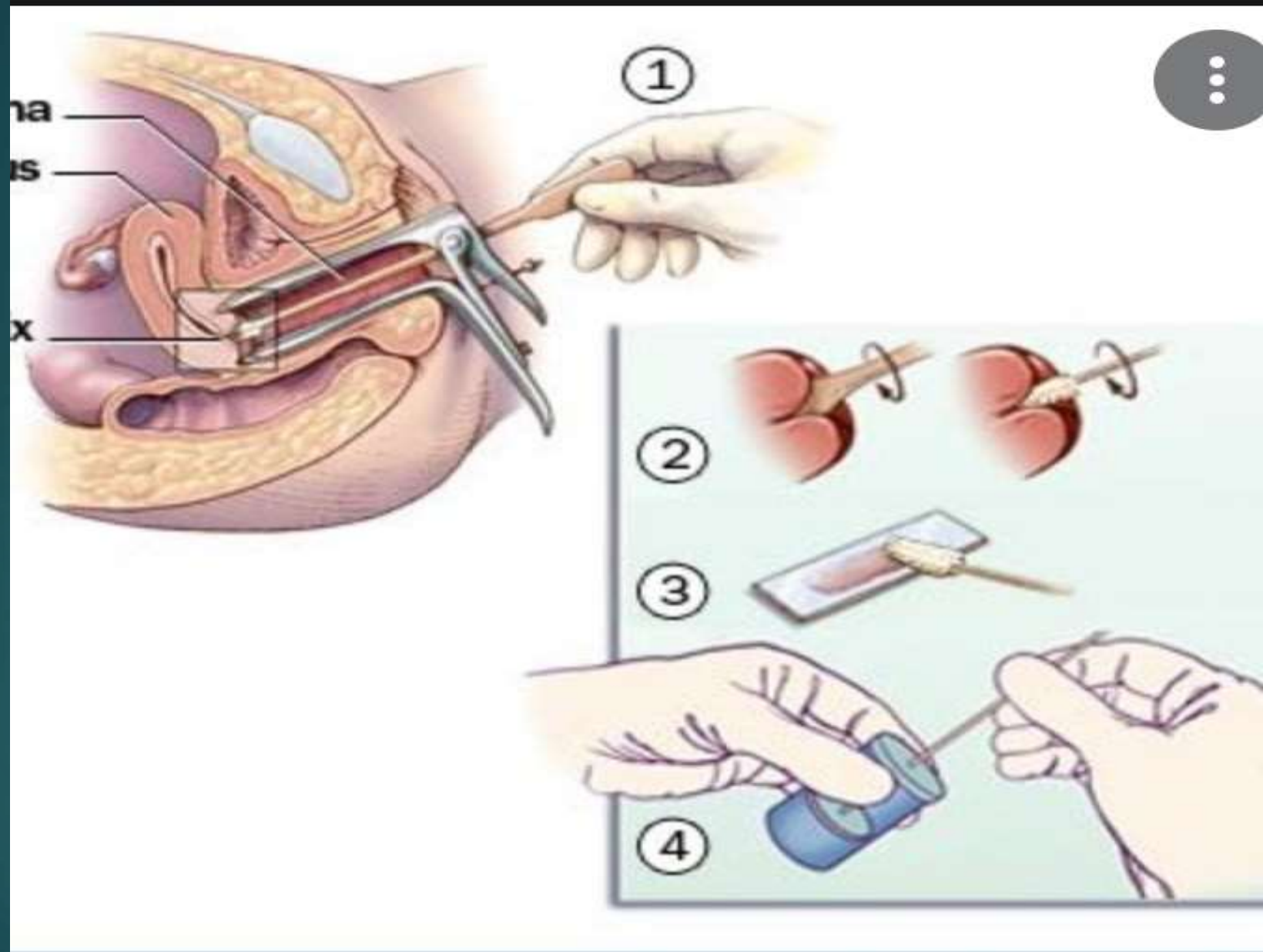
- ▶ Starting at age 21 years
- ▶ Continuing up to 65 years

What tests are used to Screen for cervical cancer ?

- ▶ Pap test (every three years)
- ▶ HPV testing (every five years)
- ▶ Both (every five years)

What happens during a Pap or HPV test ?

- ▶ After inserting a speculum, use a spatula to scrape cells from the surface of the cervix
- ▶ Taking cells from the surface of the the cervix and sending them to a lab
- ▶ An expert look at the cells under a microscope to see if they are abnormal



Factors with limited or no effects on sampling

- ▶ Menses or other genital tract bleeding
- ▶ Interval between Pap tests
- ▶ Gel lubricants and other contaminants
- ▶ Vaginal intercourse ,douching and tampon

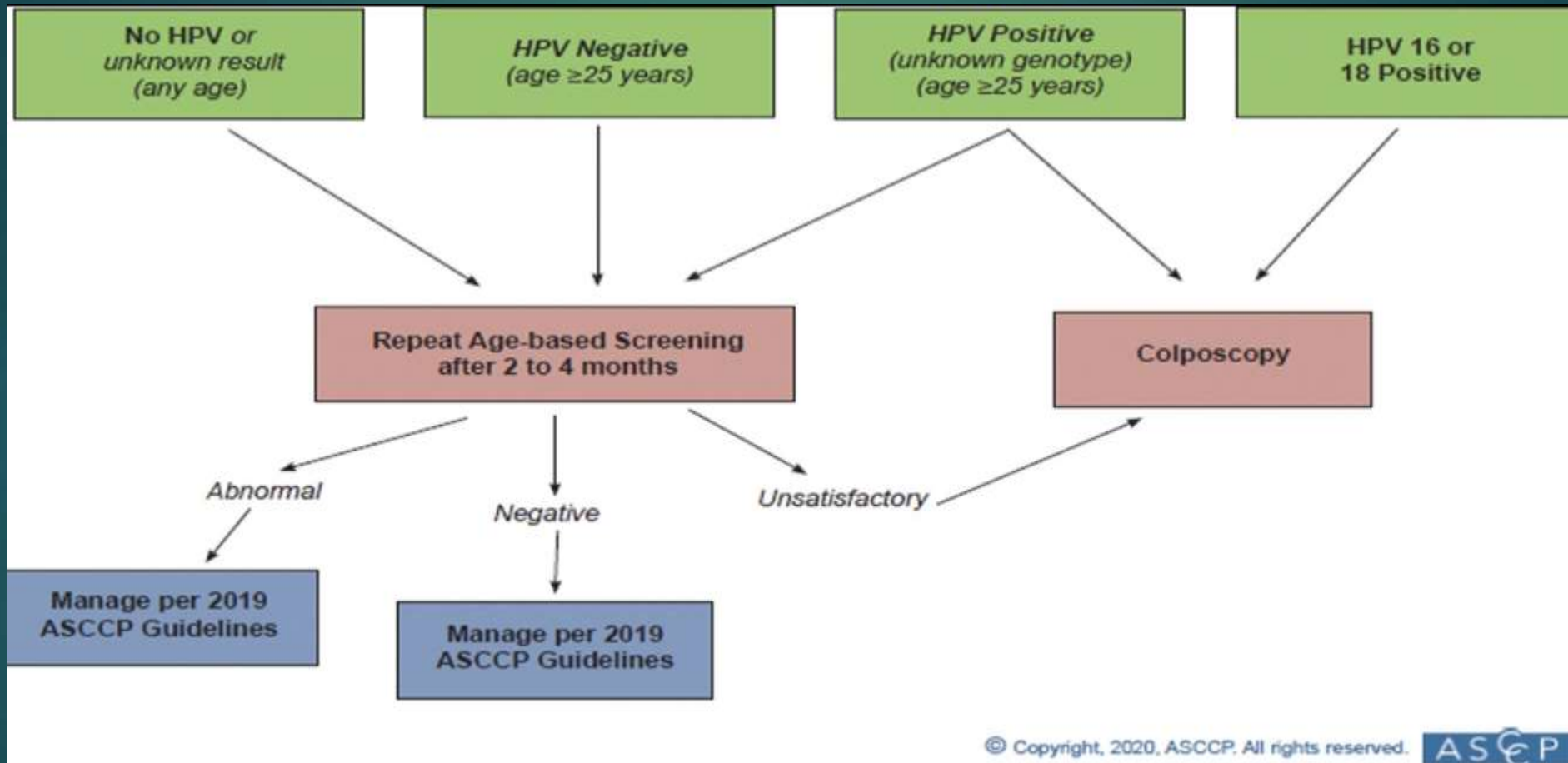
Do need to be screened if had hysterectomy?

- ▶ do **NOT** need screening if :
 - Cervix was removed completely
 - Not have cervical cancer or precancer

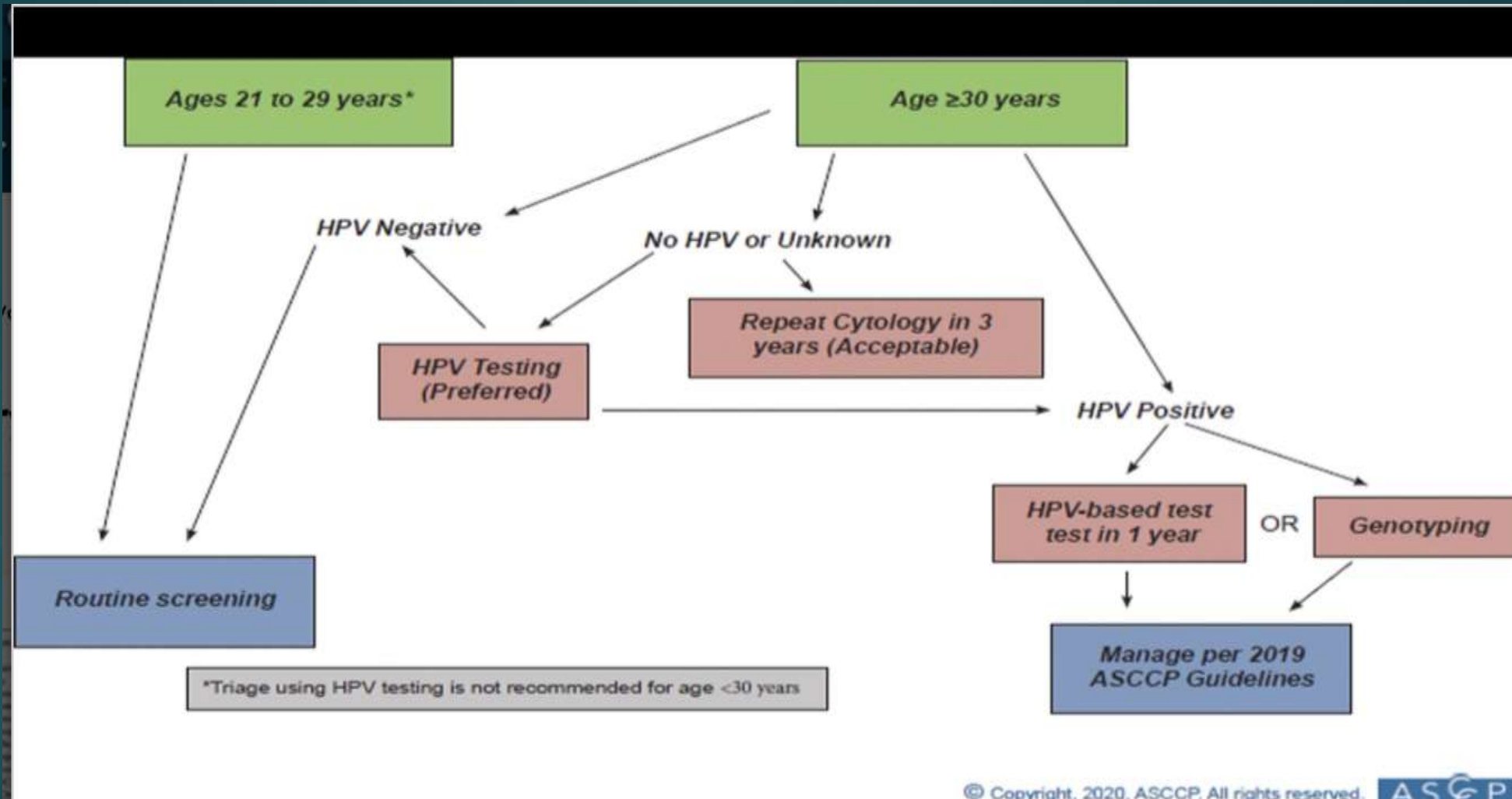
Do need to get screening tests if had the HPV vaccine?

- ▶ should still be screened for cancer or precancer.

Unsatisfactory cytology



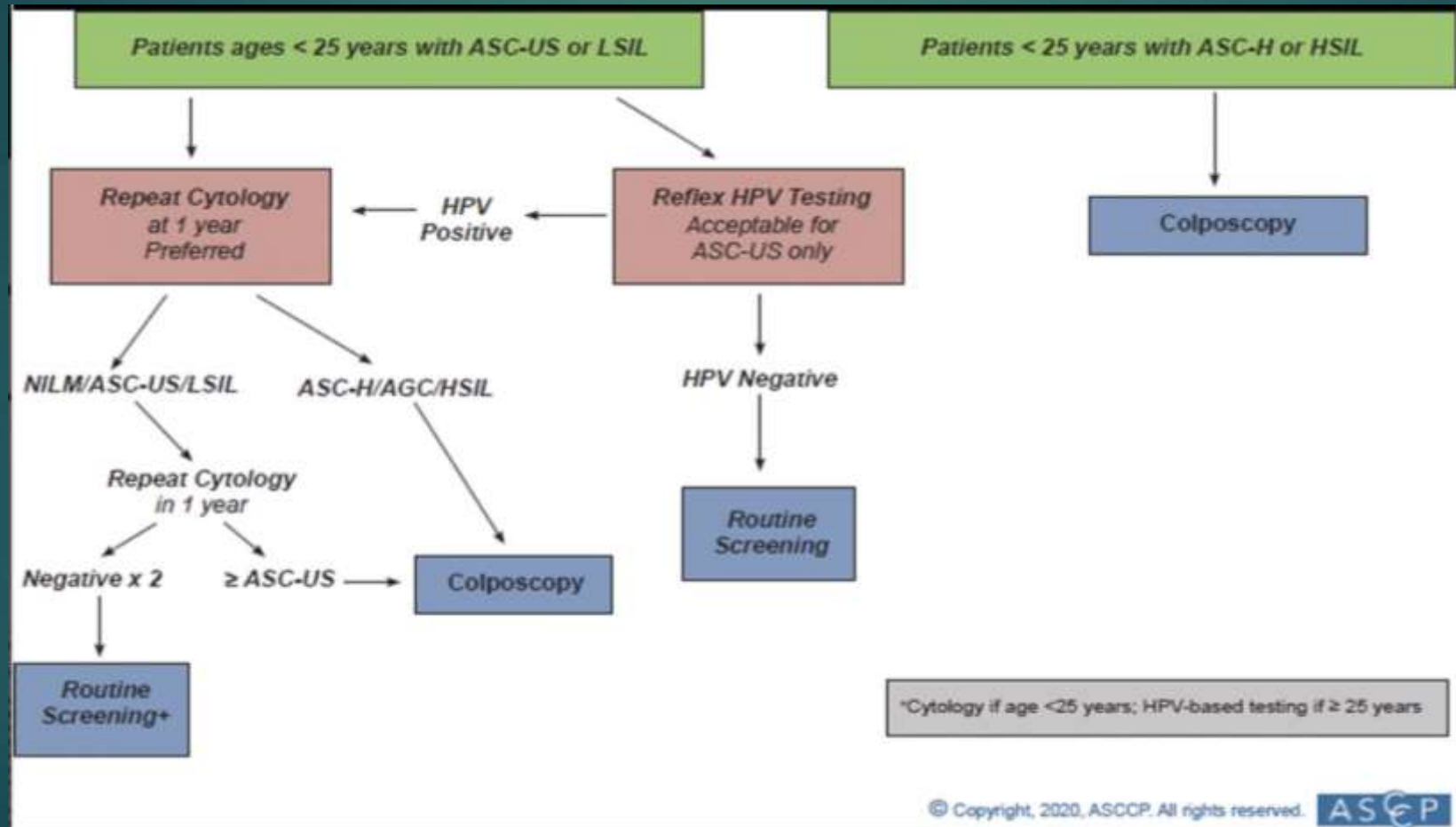
Absent endocervical cells



Non neoplastic findings

- ▶ Infectious organisms
- ▶ Reactive changes and inflammation

Patients ages < 25 years



HPV+,NILM

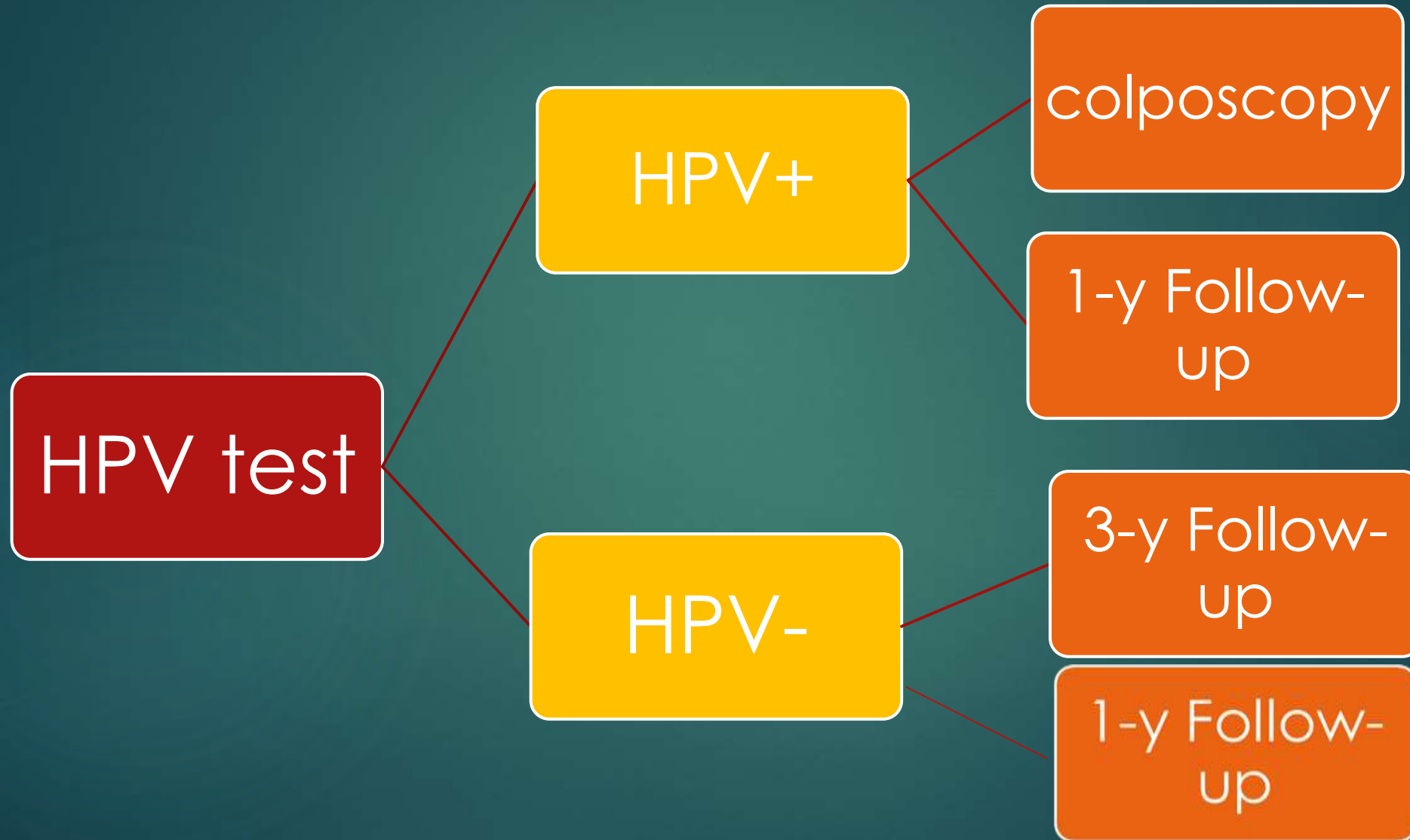
Colposcopy

- HPV 16+ or 18+ or History of HPV+

1-y Follow-up

- Others

ASCUS



Patient 1

- ▶ 32years
- ▶ Current :ASCUS → HPV+
- ▶ History : unknown

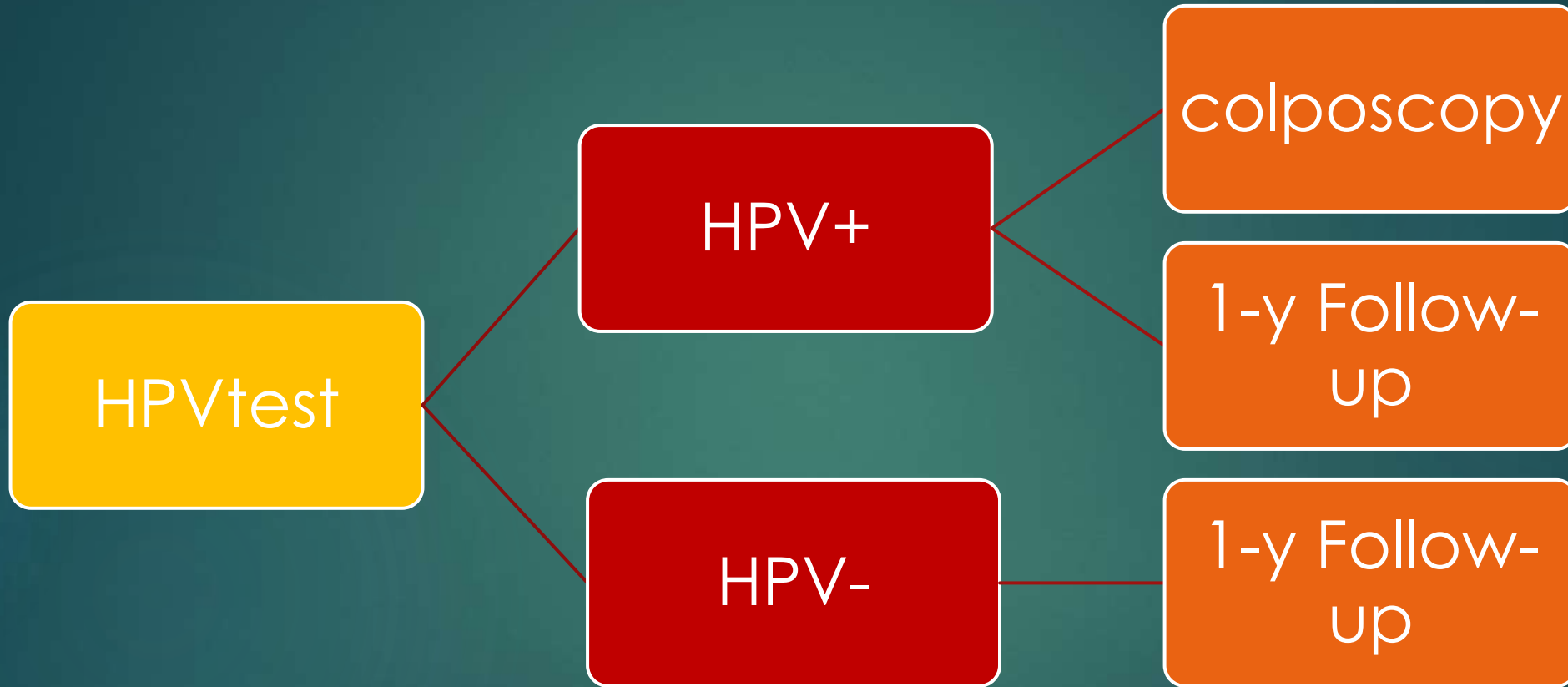
colposcopy

Patient 2

- ▶ 32years
- ▶ Current :ASCUS → HPV+
- ▶ History : HPV -

1-Y Follow-up

LSIL



Patient 3

- ▶ 45years
- ▶ Current :LSIL → HPV+
- ▶ History : unknown

colposcopy

Patient 4

- ▶ 32years
- ▶ Current :LSIL → HPV+
- ▶ History : HPV -

1-Y Follow-up

ASCH

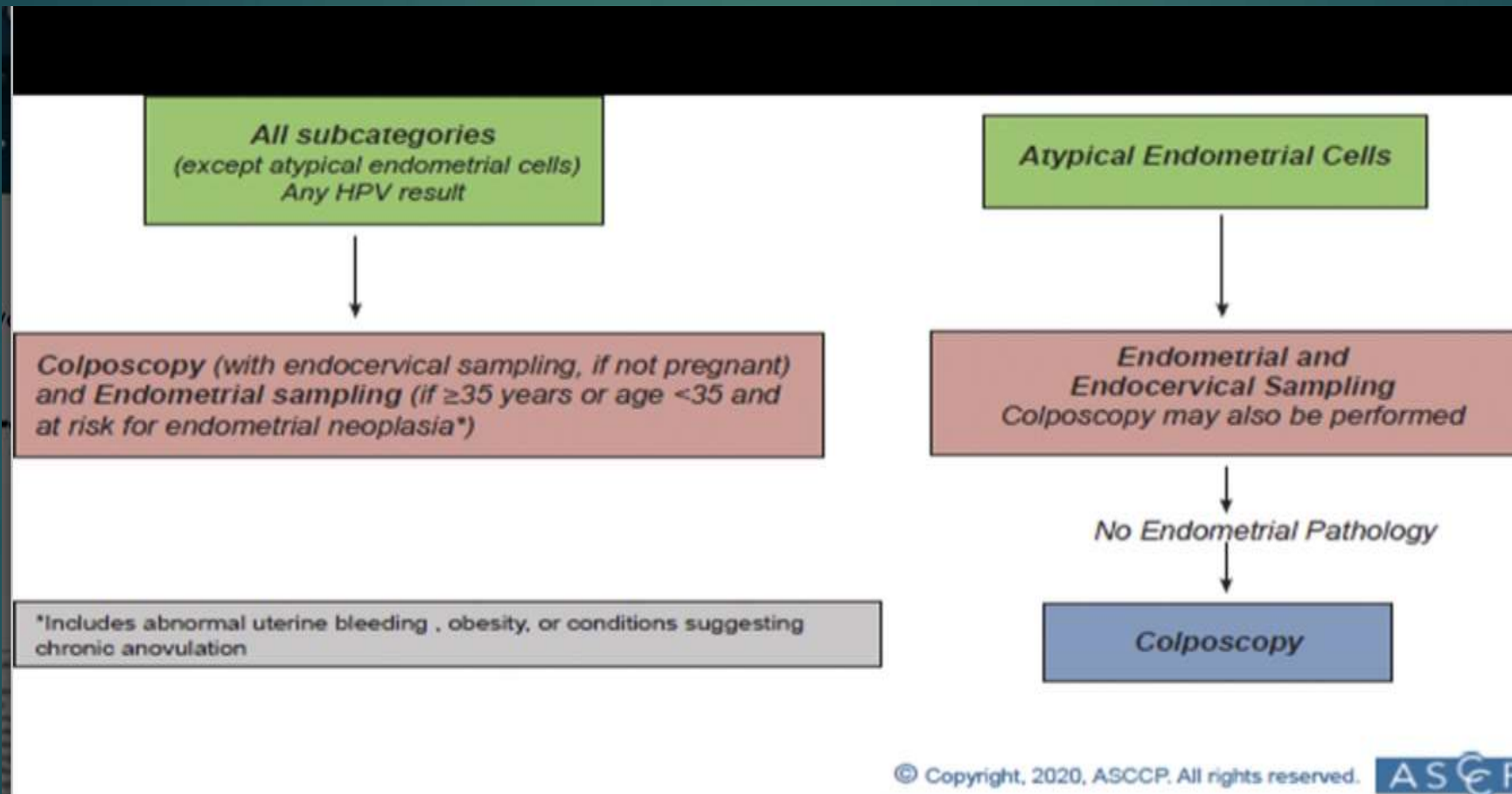
HSIL

AGC



COLPOSCOPY

AGC



Benign-appearing endometrial cells in women > 45 y

