

Frequently asked questions

- The most commonly Dx STD etiologically linked with
 - condyloma acuminatum,
 - SIL, Ca anogenital, oral
- ► 75-80% of sexually active adults will acquire at least 1 genital HPV < 50 yr
- ▼ In 10 -20 % of females, infection does not go away.
- Average, 20 25 yrs for a new HPV infection to cause cx ca
- Vaccination even if <26 yrs, sexually active, genital warts, positive HPV, or an abnormal Pap test

- SCC head and neck
 - oropharynx, base of the tongue, tonsil, larynx
- Penile pre/ca lesions
 - 16, 18 cause 35-40 %
 - HPV associated:
 - younger age,
 - basaloid instead of keratinizing pathology,
 - not p53 mutations,
 - associated with sexual RFs

Bowen's disease

- fingers, toes, palms, feet, genital mucosa
- ■HPV 16, 18, 31, 32, 34, others

American Cancer Society

- People cannot get HPV from:
 - Toilet seats
 - Hugging or holding hands
 - Swimming pools or hot tubs
 - Sharing food or utensils
 - Being unclean

Can HPV infection be prevented?

- Most cx ca can be prevented by
 - **■** 1- decreasing the chances of being infected.
 - 2- vaccination
 - 3- regular screening

1-Decreasing the chances of being infected

Sex partners

- limiting
- avoiding sex if many other sex partners

Condom use

- Provide some but not complete protection against HPV,
- Protect against some other STD
- **■** A new condom should be used with each sex act.

2- vaccination

■ Any test before vaccination?

- No, is not recommended
- cannot show if the HPV vaccine will be effective or not.
- ► A + HPV test not always tell which types of HPV you have.
- ► A HPV test cannot tell the HPV infection in the past.

During pregnancy

- Is avoided
- Data from inadvertent use in this setting
- Increasingly available
- Increasingly reassuring

3- Cx ca screening past test

- As international/national guidelines
- Not related to vaccination

Non sexual transmission

- Concern from nosocomial transmission
 - Fomites
 - inadeq df in the healthcare environment
 - exam lamps, bed control panels, exam beds
 - Medical surfaces
 - Medical devices which enter cavities; <u>TVS</u> /TRS probes/ laryngoscopes

How long does HPV live on surfaces?

- Is resistant to
 - heat and drying,
- Is able to survive on
 - inanimate objects; clothing /lab equip
- The precise survival time
 - is unknown
 - (30% infectivity after dehydration for 7 d)

- Warts& dysplasia do come back in some, but not all.
- The HPV infection alone does not predict ca
- Usually, the body will clear up of the virus on its own.
- **DC**:
 - "No evidence that genital warts be associated with HPV related ca."
- NCI:
 - Men & women may be infected with HR HPV, with no genital warts

What should we do for men

- Currently no approved Dx test for men
 - no way to treat him for the virus.
- -CDC:
 - "exam of sex partners not necessary"
 - routine screening for HPV in men.
 - routine testing before signs or symptoms in men.
 - Maybe anal Pap tests, MSM anal ca.
 - HIV or men who receive anal sex.

CDC: 5 Reasons Boys/Young Men Need the HPV Vaccine

- 1. Men get ca caused by HPV in large numbers, too.
 - CDC: 2013-2017, 4/10 HPV caused Ca are in men.
- 2. head/neck ca (US)
 - \nearrow 70% due to HPV ,X4 in men VS women.
- 3. No test for HPV ca in males.
- 4. getting HPV-related ca increases with age.
- 5. The vaccine is just as safe for boys as it is girls.

What does HPV mean for the relationship?

- HPV infections are usually temporary.
- One may have HPV many yrs before it causes health problems.
- Anything new or unusual could be warts:
 - unusual growths, lumps, or sores.
 - Penis, Scrotum, Anus, Mouth, Throat
- May to get tested for other STIs.
- Stop having sex If there is genital warts

What does having HPV mean for relationship?

- If anybody dx by HPV, there is no way to know:
 - How long the patient has had HPV
 - Whether the partner gave the patient HPV
 - Whether the patient gave HPV to his/her partner.
 - HPV is not always a sign that there is sex outside of the current relationship.
- Nobody knows
 - How long a person is able to spread HPV after warts go away?

An HPV Dx means someone has cheated?

- no way to find out.
 - The virus can remain in the body for weeks, yrs, or lifetime
 - warts, lesions, or cx abnormalities after a latent period of yrs
 - Mysterious aspects of genital HPV: its ability to lie latent.

Future: the elimination of cx ca

The targets of the global strategy are, by 2030:

- to vaccinate 90% of eligible girls against HPV;
- to screen 70% of eligible women at least twice in their lifetimes; and
- to effectively treat 90% of those with a positive screening test or a cervical lesion, including palliative care when needed (2).

