

HPV MODULE CASE STUDY

Anne Drew is a 34-year-old woman who comes in stating that she wants to get "checked out" because Jonathan, her sex partner, has small solid "bumps" on the skin at the base of his penis. Jonathan told her that he was diagnosed and treated for genital warts about a year ago, and his health care provider told him they could recur.

History

- No history of abnormal Pap tests and no history of STDs
- Last Pap test was performed 4 months ago
- Sexually active since age 16 with men and has had a total of 7 sex partners over her lifetime
- Currently sexually active with 1 partner for the last 8 months
- Uses oral contraceptives for birth control

1. What should be included in Ms. Drew's evaluation?

Physical Examination

- Vital signs: blood pressure 96/74, pulse 78, respiration 13, temperature 37.1° C
- Cooperative, good historian
- Chest, heart, musculoskeletal, and abdominal exams within normal limits
- Pelvic exam is normal
- Visual inspection of the genitalia reveals multiple small (<0.5 cm), flesh-colored, papular lesions in the perineal area

2. What is the differential diagnosis for the papular genital lesions?

3. What is the **most likely** diagnosis based on history and physical examination?

4. Which laboratory tests should be ordered or performed?

Patient Management

The following genital warts management options are discussed with Ms. Drew:

Patient-applied therapy

- Podofilox 0.5% solution or gel (Condylox)
- Imiquimod 5% cream (Aldara)

Provider-administered therapy

- Cryotherapy with liquid nitrogen or cryoprobe
- Podophyllin resin 10%-25% in compound tincture of benzoin
- Trichloroacetic acid (TCA) or bichloroacetic acid (BCA) 80%-90%

Surgical removal

No intervention

5. What is the effect of treatment on future transmission? What is the possibility of recurrence after treatment?

6. What are appropriate counseling messages for Ms. Drew about genital warts and HPV infection?

7. What conditions could cause a substantial increase in the number and size of Ms. Drew's genital warts?