

Case Study

Robert Forbes is a 33-year-old male who presents to his doctor reporting a purulent urethral discharge and dysuria for 3 days.

History- Robert Forbes

- 33-year-old male investment broker living in Dallas with history of travel to Las Vegas 3 weeks ago.
- Complains of a purulent urethral discharge and dysuria for 3 days.
- Became sexually involved with a new female partner (Laura) 2 months ago. They have unprotected vaginal intercourse approximately 4 times per week, the last time being 2 days ago. They don't have oral or rectal sex.
- Robert states Laura is asymptomatic.
- Robert states he also had a one-time sexual encounter with a woman he met in Las Vegas 3 weeks ago (Monica). They had oral (Monica performed fellatio on Robert) and vaginal sex. No condoms used.
- Non-smoker and occasional runner, with good diet. No prior history of urethral discharge or STDs, no sore throat or rectal discomfort, no illicit drug use. His last HIV test 1 year ago was negative.

Physical Exam

- Vital signs: blood pressure 98/72, pulse 68, respiration 14, temperature 37.2° C
- Cooperative, good historian
- Chest, heart, musculoskeletal, and abdominal exams within normal limits
- No flank pain on percussion, normal rectal exam, no sores or rashes
- The genital exam reveals a reddened urethral meatus with a purulent discharge, without lesions or lymphadenopathy.

Questions

- 1) What should be included in the differential diagnosis?
- 2) Which laboratory tests would be appropriate to order or perform?
- 3) What is the appropriate treatment regimen?

Laboratory Results

Results of laboratory tests

- Urethral and pharyngeal culture showed growth of a Gram-negative diplococcus that was oxidase-positive. Biochemical and FA conjugate testing confirmed this isolate to be *N. gonorrhoeae* at both anatomic sites.

- The NAAT for chlamydia was negative.
- The RPR was nonreactive.
- The HIV antibody test was negative.

4) What is the diagnosis, based on all available information?

5) Who is responsible for reporting this case to the local health department?

Partner Management

Upon further questioning, Robert admits to having another sex partner, in addition to Laura and Monica, within the past 3 months. Information on Robert's sex partners is as follows:

Laura

Last exposure--unprotected vaginal sex 2 days ago

Monica

Last exposure--unprotected oral (Monica performed fellatio on Robert) and vaginal sex 3 weeks ago while he was in Las Vegas

Jerilyn

Last exposure--unprotected vaginal sex 3 months ago

6) Laura was examined and her lab results came back negative for gonorrhea and chlamydia. How should Laura be managed?

7) What tests should Jerilyn and Monica have?

Follow-Up

Robert returns 4 months later for an employer-sponsored flu shot. He took his medications as directed, is asymptomatic, and has had no sex partners since his office visit to you.

8) Does Robert need repeat testing for gonorrhea?

9) What are appropriate prevention counseling messages for Robert?