



Be Informed.  
Be Safe.  
Be In Control.

Provided by:



# Mycoplasma genitalium

## Trichomonas vaginalis

## Syphilis

Sexual Health Update day

Dr Megan Crofts, Consultant in Sexual Health

[www.unitysexualhealth.co.uk](http://www.unitysexualhealth.co.uk)

In partnership with:



# Case

24 y/o male, Ben, presents on your telephone list. He carried out an online STI screen at Superdrug last week (“They test for everything”) and his results showed he was “Mycoplasma positive”.

He is asymptomatic and wants treatment.

## What do you do?

- a. Prescribe Doxycycline 100mg BD 7/7
- b. Prescribe Azithromycin 1g stat
- c. Repeat the STI screen
- d. Reassure him and inform him he does not require treatment

About 844,000,000 results (0.78 seconds)

Ad · <https://www.letsgetchecked.com/sti/tests> · 020 3936 4095

### STI Home Self Test Kit - Special Offer - Save 20%

The Easiest Way To Keep Track Of Your Sexual Health. Free Shipping & Free Returns To Lab. Confidential & Convenient Sexual Health **STI** Self **Test** Kits. **Test** For **STI** From £79. Accurate CE Marked **Tests**. Accurate Results. Free Delivery. Medical Experts & Support.

#### 4 STI At-Home Tests

Test Yourself At Home For The 11 Most Common STIs.

#### STI Test - Complete 11

Our Most Comprehensive Test - Test Yourself At Home For 11 STIs.

Ad · <https://www.fettle.health/sti/test>

### STI Test - Discreet Delivery In 24 Hours

Fast, Accurate & Confidential Results. No Need To Visit A Clinic. Order Now. **Test** For **STIs** From The Privacy Of Your Own Home. Reliable & Accurate. **Test** In Private At Home. Quick & Easy **Testing**. Types: HIV, Chlamydia, Gonorrhoea, Syphilis, Hepatitis B, Hepatitis C. Also Test For Chlamydia - Gonorrhoea Testing - Test For Syphilis - Also Test For HIV

Ad · <https://www.samedaydoctor.org/> · 020 7631 0090

### STD/STI testing - Same Day Test Results

Our experienced and confidential **testing** is available every day-call/email or walk in

<https://sh24.org.uk>

### SH:24 Free Home STI STD Test | Sexual & Reproductive Health

Sexual health 24/7. Free **STI** test kit, results in 7 days. Confidential testing, information and advice with NHS clinics. Regulated by the Care Quality Commission.

Order a STI test kit - [Learn about STIs](#) - [Order oral contraceptive pill](#) - [FAQs](#)

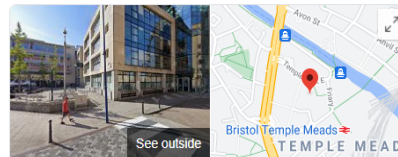
<https://www.nhs.uk> · Live Well · Sexual health

### Visiting an STI clinic - NHS

**Testing** for **chlamydia** and gonorrhoea usually requires only a urine sample or a self-taken swab for a woman. **Testing** for HIV and syphilis needs a blood sample. **Tests** for herpes aren't usually done unless you have sores on your genitals or anus. In this case, a swab will be taken from a sore.

<https://onlinedoctor.lloydspharmacy.com> · sti-tests

### At Home STI Tests Kits | Lloyds Pharmacy Online Doctor UK



## Better2Know

Website Directions Save Call

1.0 ★★★★★ 4 Google reviews

Std clinic in Bristol, England

**COVID-19 info:** [better2know.co.uk](https://better2know.co.uk)

**Address:** Temple Quay, Unit 3 The Square, Bristol BS1 6DG

**Hours:** Open - Closes 9PM

**Phone:** 020 7099 0955

[Suggest an edit](#) · [Manage this listing](#)

**Know this place?** [Share the latest info](#)

### Questions & answers

Be the first to ask a question

Ask a question

Send to your phone

Send

### Reviews

Write a review

Add a photo

**D** "Sent the 48 hour test off Monday 21st December in readiness for Christmas Day." ★★★★★

**B** "Do not use this company!!!!!!!" ★★★★★

[View all Google reviews](#)

SAVE 20% Use code HEALTH20 at cart



Our Health Tests

Our Coronavirus Test



SIGN IN

ACTIVATE TEST

Help



## Complete 11

£209



In Stock • Free Delivery

Our home STI test to detect the 11 most common infections, with online results in 2 to 5 days.

### What does it test for?

- ✓ Chlamydia
- ✓ Gonorrhoea
- ✓ Trichomoniasis
- ✓ Gardnerella
- ✓ Mycoplasma
- ✓ Ureaplasma
- ✓ HIV (I, II, P24 antigen)
- ✓ Syphilis
- ✓ Hepatitis B
- ✓ Herpes Simplex Virus I & II (HSV I & II)

### Collection method

- Finger prick
  Urine sample

One-time purchase (£209)

Subscribe & save (£146.30)  
Every 3 Months - Save 30% [Change](#)

Add to cart

# Mycoplasma genitalium (M.gen)

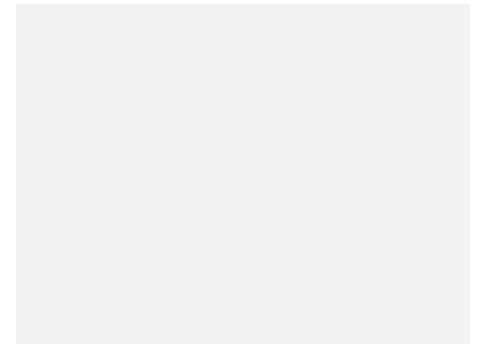
**New** First isolated 1981

**Small** Smallest known self-replicating bacterium

**Tricky** Very difficult to culture

**Common** Affects 1-2% general population

**Serious** M. gen causes pathology incl. Urethritis, cervicitis, proctitis, and pelvic inflammatory disease



# M.gen causes disease

**NGU** Mgen accounts 15-25%

Assoc with persistent and recurrent urethritis

**PID** Mgen accounts for 10-13%

Assoc with pre-term birth and miscarriage

**BUT** asymptomatic infection is **common**, and the majority of infections do not cause disease!

# M.gen is tricky to treat

## Tetracyclines

- Doxycycline cures approx 40% cases
- Minocycline ?possibly better treatment

## Macrolides (e.g. Azithromycin)

- Resistance increasing globally (30-100%). UK ~40%
- Macrolide resistance can be tested for with genomic testing (MRAM)
- Prior treatment with a course of Doxycycline can be helpful

## Quinolones

- Moxifloxacin in 2<sup>nd</sup> line
- Good efficacy, but resistance is seen and increasing

**Partner notification** For **current** partners only

# So what do I do?

When should I think about M.gen?

- **NGU symptoms who have tested negative for chlamydia and gonorrhoea**

Referral into Unity for NGU assessment +/- M.gen testing

Asymptomatic carriage does **not** require treatment

# What about Ben?!



# Case

You have seen Vicky a lot recently for “recurrent BV”. Vicky attended for her cervical smear last week, and it has been reported *Trichomonas vaginalis* positive.

When you speak to her she has symptoms of her “BV” again, despite not having sex since her last course of Metronidazole.

## What do you do?

- a. Bring her in for a review and do a test
- b. Advise her to get a new partner!
- c. Tell her it will resolve on its own accord
- d. Treat her with a repeat course of Metronidazole

# Trichomonas vaginalis (T.V)

The most prevalent STI globally

Common In Bristol, 3% symptomatic women  
attending primary care TV+

Infective cause of increased vaginal discharge  
- Also assc dysuria and vulval irritation

Tricky Testing in primary care is suboptimal

Limited treatment options with increase in antibiotic resistance being seen



# So what do I do?

Think about testing

- **“Recurrent BV”** might be undiagnosed TV
- **New vaginal discharge** with risk of STI

If you suspect TV

- **Refer to Unity** for NAAT testing and management

Antibiotic resistance is becoming a problem

## What about Vicky?

# Case

Marjory is 32 years old.

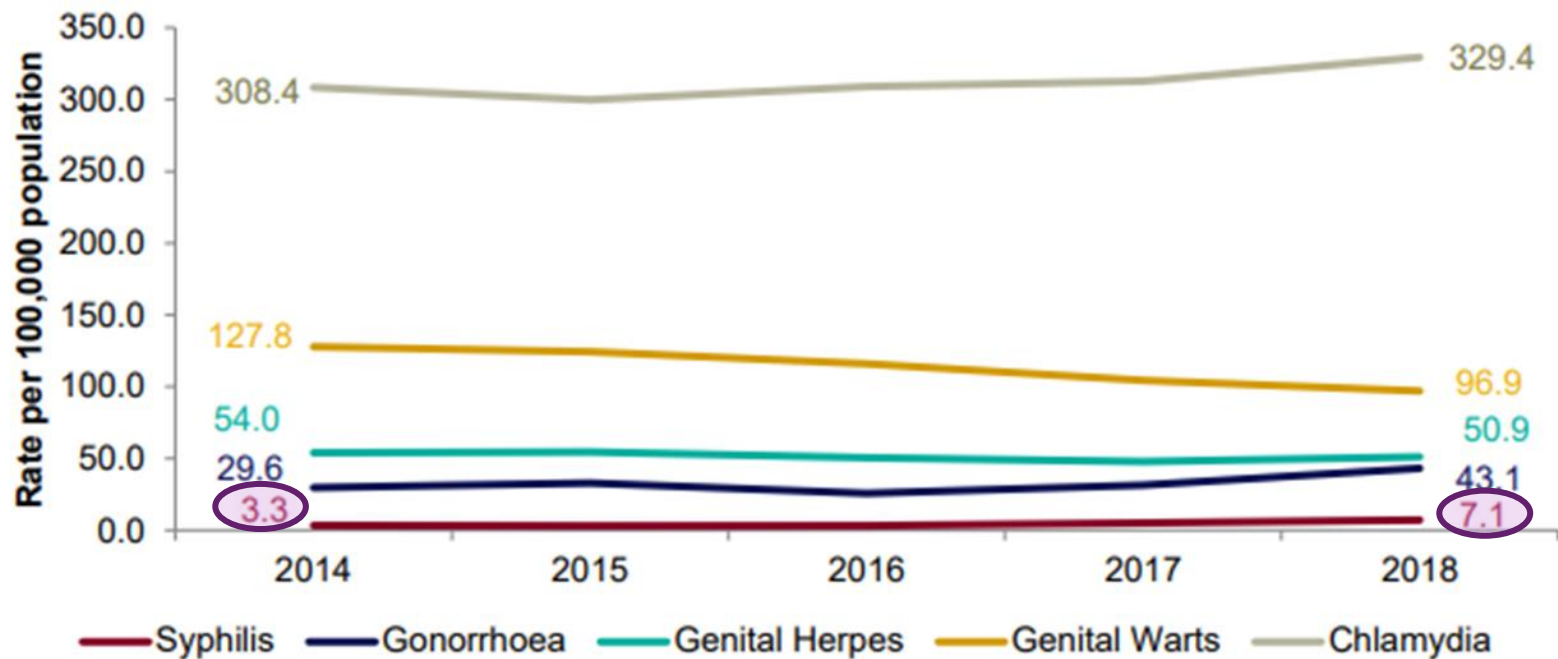
You receive a letter from the Blood and Transfusion service stating that “Marjory Unity was found to have a positive screening when recently donating blood. Syphilis EIA positive. Miss Unity has been made aware of her result.”

## What is your plan of care?

1. Contact patient to repeat the test
2. Treat her with oral Penicillin
3. Treat her with Doxycycline
4. Contact her to arrange a full STI screen

# Syphilis

**Figure 3: Diagnosis rates of the 5 main STIs: South West residents, 2014 to 2018.**  
Data sources: GUMCAD, CTAD



# Syphilis

Ulcer: genital or oral

Rash

Other secondary presentations  
commonly seen:

New, sudden onset hearing impairment

New, sudden onset changes in vision



# Syphilis

## Syphilis screen

**EIA** An antibody test to look for previous exposure

## Syphilis full range

**RPR** Indicates the “activity” of the syphilis; used to monitor response to treatment and reinfection

-e.g. **1:2 (low); 1:128 (high)**

**TPPA** Specific antibody test

**EIA** More general antibody test

**IgM** Immediate antibody test

-**Likely to become positive first (indicates recent infection)**

# Syphilis

Management is dependent on the stage of syphilis

**<2 years since infection: Single IM Benzylpenicillin or 14/7 Doxycycline**

**>2 years since infection (or unproven)  
x2 IM Benzylpenicillin or 28/7 Doxycycline**

**CNS involvement: Daily Procaine Penicillin 14/7 (with preceding steroids)**



# So what do I do?

Think about testing

Refer positive results to Unity (or patient can self-refer)

Think about syphilis! Have a high index of suspicion and refer if unsure

What about Marjory?

# Questions

?

# Resources

## BASHH M.gen guideline

<https://www.bashhguidelines.org/media/1228/mg-ijstdaids.pdf>

BASHH position statement on the inappropriate use of multiplex testing platforms, and suboptimal antibiotic treatment regimens for bacterial sexually transmitted infections 23<sup>rd</sup> March 2021

<https://www.bashhguidelines.org/current-guidelines/urethritis-and-cervicitis/bashh-position-statement-on-the-inappropriate-use-of-multiplex-testing-platforms-and-suboptimal-antibiotic-treatment-regimens-for-bacterial-sexually-transmitted-infections/>

Horner P, Donders G, Cusini M, Gomberg M, Jensen JS, Unemo M. Should we be testing for urogenital *Mycoplasma hominis*, *Ureaplasma parvum* and *Ureaplasma urealyticum* in men and women? - a position statement from the European STI Guidelines Editorial Board. *J Eur Acad Dermatol Venereol*. 2018;32:1845-1851. doi: 10.1111/jdv.15146. This is not open access but is available at <https://iusti.org/wp-content/uploads/2019/12/UrogenitalMycoplasmas.pdf>

## BASHH TV guideline

[https://www.bashhguidelines.org/media/1042/tv\\_2014-ijstda.pdf](https://www.bashhguidelines.org/media/1042/tv_2014-ijstda.pdf)

## FSRH Vaginal discharge

<https://www.fsrh.org/standards-and-guidance/documents/ceu-clinical-guidance-management-of-vaginal-discharge-in-non/>