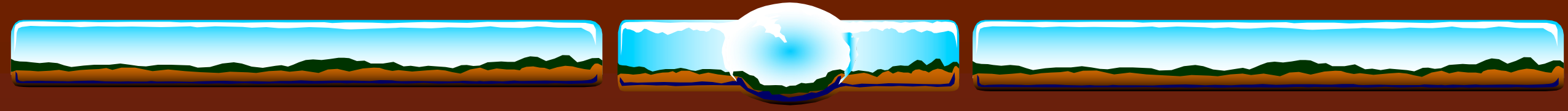


# Indian Country Infectious Disease Update June 2024

Jorge Mera, MD, FACP

And

Jonathan Iralu, MD, MACP, FIDSA



# COVID update



## Look out for Ocular syphilis...

- ❖ Quite common in the current outbreak
- ❖ Can involve any part of the eye
  - ❖ Keratitis of the cornea
  - ❖ Iritis (anterior uveitis) often seen with secondary syphilis
  - ❖ Vitritis: patient sees a starry sky, small white balls seen on exam
  - ❖ Choroiretinitis:
    - ❖ ground glass retinitis caused by syphilitic vasculitis
    - ❖ yellow plaques on retina near macula in Acute Posterior Placoid Choroiretinopathy
  - ❖ Optic neuritis: monocular vision loss



# Ocular Syphilis

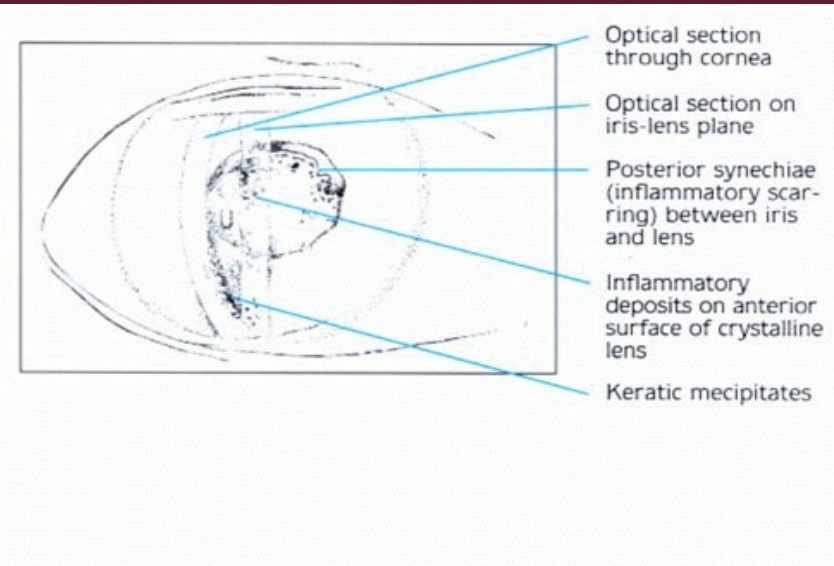
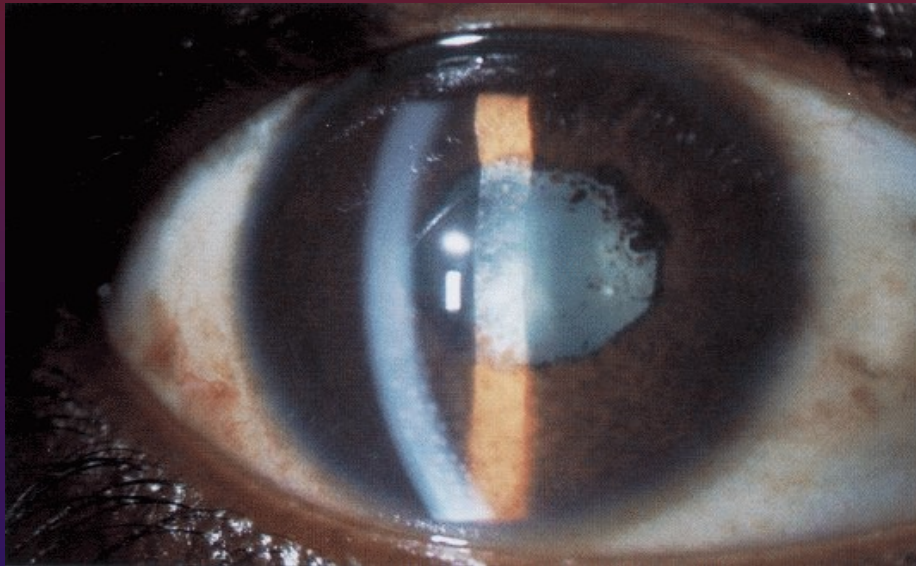
## ❖ Symptoms:

- ❖ Floaters
- ❖ Eye pain/photophobia
- ❖ Vision loss

## ❖ Findings:

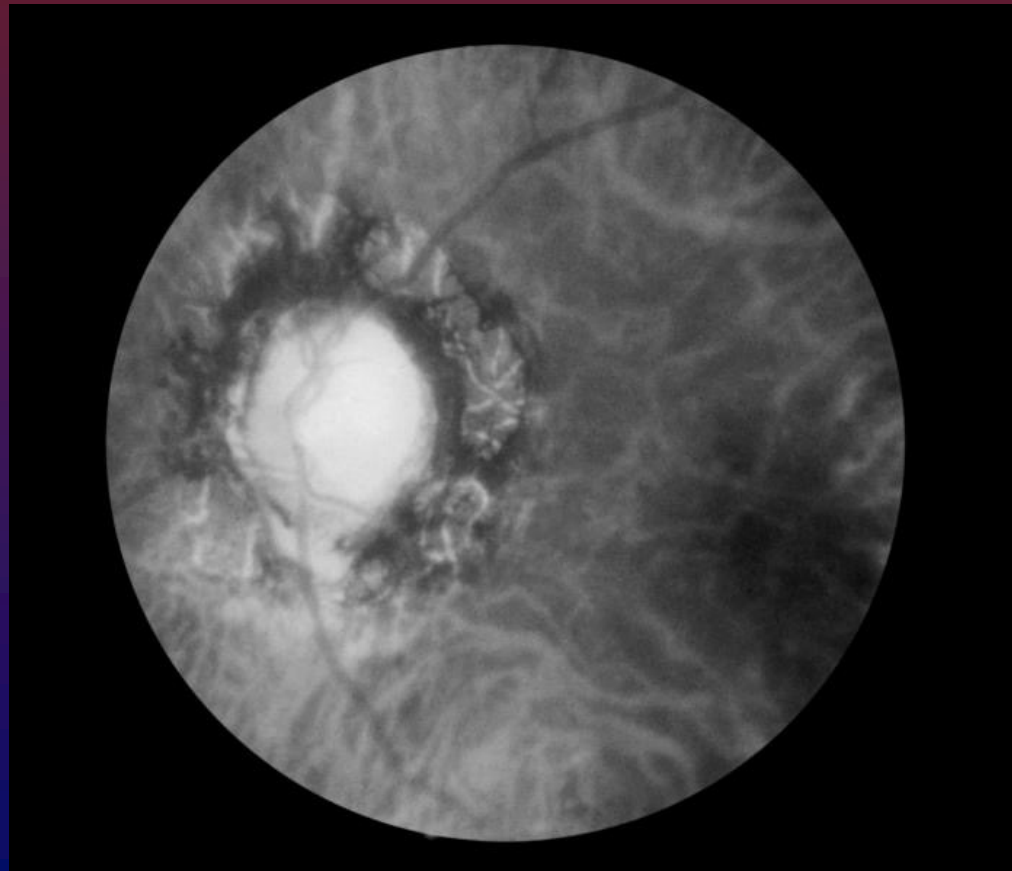
- ❖ Diverse depending on site of infection
- ❖ **Argyll-Robertson pupils** are a marker for neurosyphilis, not ocular syphilis
  - ❖ Irregular pupil
  - ❖ React to accommodation, not light.

# Syphilitic anterior uveitis





## Syphilitic chorioretinitis



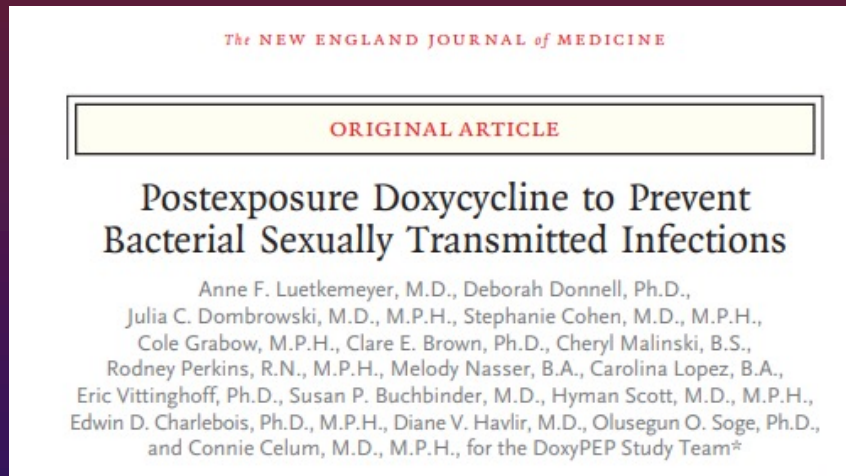


## Ocular Syphilis Management

- ❖ Send all syphilis patients with eye complaints or findings to eye clinic STAT
- ❖ Treatment is identical to neurosyphilis
- ❖ LP is not required unless the neuro exam (especially cranial nerve exam) is abnormal
- ❖ Follow RPR titer and eye exam after treatment



# Doxy PEP is the prevention tool



## Luetkemeyer et al NEJM, 4/6/2023

- ❖ Recruited 501 MSM and transgender women on PrEP or ART
- ❖ Offered Doxycycline 200 mg within 72 hours of condomless sex
- ❖ Relative risk for infection

	PrEP	ART
❖ Gonorrhea	0.45	0.43
❖ Chlamydia	0.12	0.26
❖ Syphilis	0.13	0.23

- ❖ Adverse events: **None serious**

<https://www.nejm.org/doi/pdf/10.1056/NEJMoa2211934?articleTools=true>



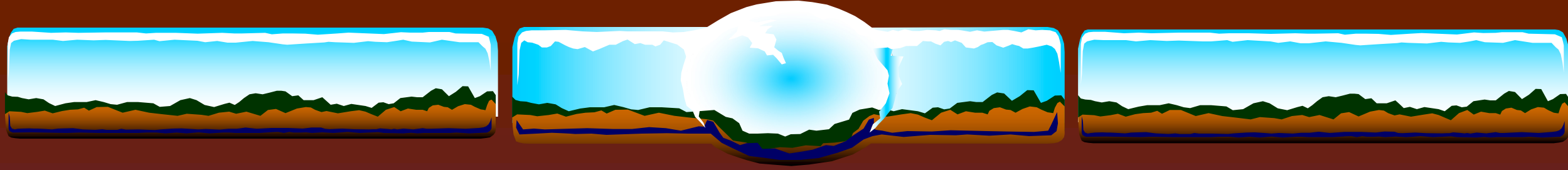


# Doxycycline Post Exposure Prophylaxis

## New CDC guideline!

- ❖ Patients with STI risk can be offered 200 mg doxycycline within 24-72 hours of sex
  - ❖ MSM
  - ❖ Bisexual
  - ❖ Transgender women
- ❖ Indicated for
  - ❖ Bacterial STI within the last year
- ❖ → Participating in sexual activities that are known to increase the likelihood of exposure to STIs (see CDC fine print).

<https://www.cdc.gov/mmwr/volumes/73/rr/pdfs/rr7302a1-H.pdf>



Take Control.  
Know Your Status.

Expanded Testing Panel

January 25, 2024



# Tests

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Chlamydia – genital, oral, rectal

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Gonorrhea – genital, oral, rectal

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Trichomonas – vaginal

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HIV (New)

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Syphilis (New)

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Hepatitis B (New)

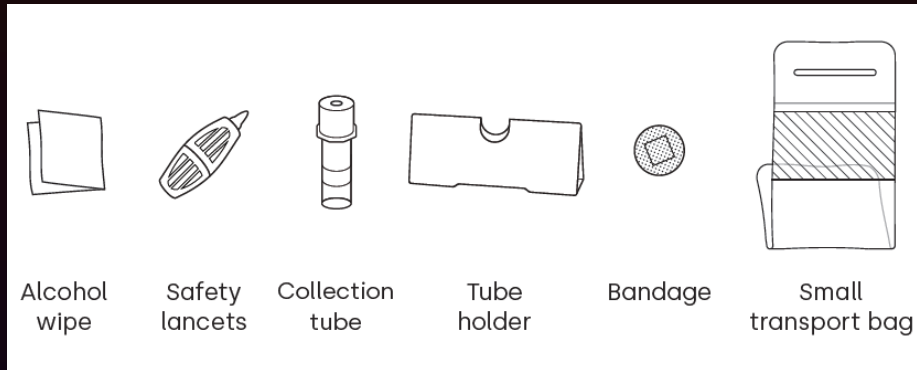
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Hepatitis C (New)

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# Blood Testing

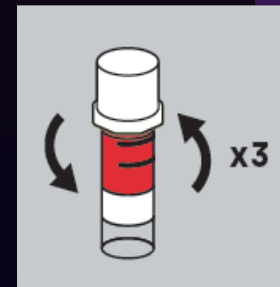
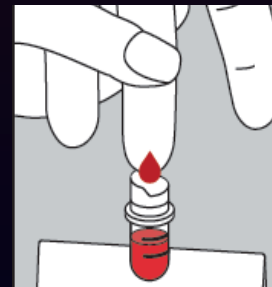
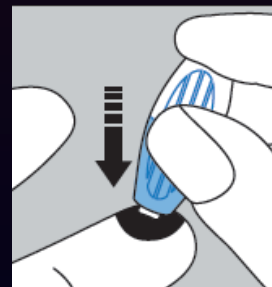
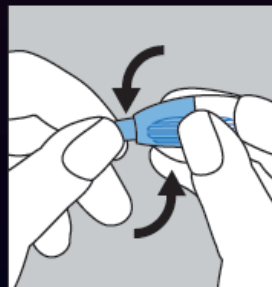
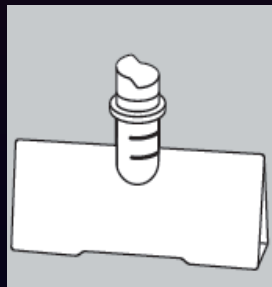
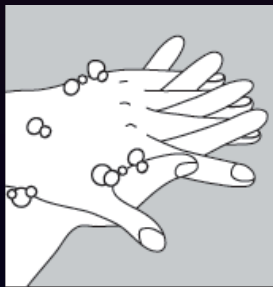
## Provided Materials



## Sample Quantities

- 450  $\mu\text{L}$  minimum required
- 650  $\mu\text{L}$  preferred

## Procedure



# Marketing



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Easy.**

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This project is funded through the Indian Health Service with backing from the Minority HIV/AIDS Fund.



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Good.**

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Love your community.

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& Swab On**

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# Ordering

- Attention IWTK Users: We have added a new feature that allows you to have two separate addresses: your physical (home) address and your mailing address. If these two addresses are the same, you may indicate that in your IWTK account. You may update either address on file at any time in your IWTK account.
- **If you are not a resident of MD, OK, KS, AK, NM, UT or AZ and would like to be tested for STIs, please visit the [CDC Testing Locator](#) to find a testing site near you.**

## I WANT THE KIT



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By clicking Login, you agree to our [Privacy Policy](#).

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