243. Watch Out! Syphilis Is Back – Case Series of Four Cases of Ocular syphilis

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Background. Syphilis is an ulcerative sexually transmitted genital infection caused by Treponema pallidum, which is a member of the order Spirochaetales, family Spirochaetaceae, and is one of the fastest life cycles (3 days in human) has been steadily rising since 2000; from 2.1 cases per 100,000 population to up to 7.5 cases per 100,000 population in 2014-2015 (the highest rate since 1994). In the state of West Virginia, we have witnessed an increase in the number of cases from 0.5 cases per 100,000 population in 2011, to 5.9 cases per 100,000 population in 2015. Systemic symptoms can include cardiovascular and ocular manifestations.

Methods. We report a series of four cases of neurosyphilis we encountered between 2013 and 2016. Main presentation of all four cases was ocular; primarily redness and photophobia. Diagnosis was confirmed by standard ophthalmological examination with positive initial rapid plasma regain titers (RPR) and fluorescent treponemal antibody absorption testing (FTA-ABS). The cerebrospinal fluid venereal disease research laboratory test (CSF-VDRL) was positive in two of the four cases (in which lumbar puncture was performed). Two of the four cases suffered from an overt immunodeficiency (HIV and laryngeal cancer on chemotherapy) and subjects of all four cases confessed to high-risk sexual behaviors. All four cases were managed with multiple unsuccessful courses of Penicillin G potassium 24 million International Units for 14 days with variable response.

Results. Response to treatment was variable in that initial complete resolution was achieved in one patient (Case #3), another (Case #1) was retreated in 6 months due to rising RPR titers on follow-up with subsequent improvement. Two patients were lost to follow-up (Cases #2 and #4).

Conclusion. Sir William Osler reportedly said: “He who knows syphilis knows medicine.” The steady rise in the incidence of Syphilis warrants that health care providers consider such a diagnosis in the evaluation of suggestive neurological and ocular manifestations in predisposed patients. We also stress on the importance of follow-up to detect failure of initial treatment.

Disclosures. All authors: No reported disclosures.

244. Similar Sexually Transmitted Infections Prevalence Despite Lower HIV Prevalence Among Transgender Women Compared With Men Who Have Sex With Men in Thai Community-Based Test and Treat Cohort

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Background. Men who have sex with men (MSM) and transgender women (TG) are at increased risk for sexually transmitted infections (STIs). To understand potential differences in the frequency of STIs between MSM and TG, we compared STI prevalence between TG and MSM who have sex with men (MSM) in the Thai Community-Based Test and Treat Cohort.

Methods. We report a series of four cases of neurosyphilis we encountered between 2013 and 2016. Main presentation of all four cases was ocular; primarily redness and photophobia. Diagnosis was confirmed by standard ophthalmological examination with positive initial rapid plasma regain titers (RPR) and fluorescent treponemal antibody absorption testing (FTA-ABS). The cerebrospinal fluid venereal disease research laboratory test (CSF-VDRL) was positive in two of the four cases (in which lumbar puncture was performed). Two of the four cases suffered from an overt immunodeficiency (HIV and laryngeal cancer on chemotherapy) and subjects of all four cases confessed to high-risk sexual behaviors. All four cases were managed with multiple unsuccessful courses of Penicillin G potassium 24 million International Units for 14 days with variable response.

Results. Response to treatment was variable in that initial complete resolution was achieved in one patient (Case #3), another (Case #1) was retreated in 6 months due to rising RPR titers on follow-up with subsequent improvement. Two patients were lost to follow-up (Cases #2 and #4).

Conclusion. Sir William Osler reportedly said: “He who knows syphilis knows medicine.” The steady rise in the incidence of Syphilis warrants that health care providers consider such a diagnosis in the evaluation of suggestive neurological and ocular manifestations in predisposed patients. We also stress on the importance of follow-up to detect failure of initial treatment.

Disclosures. All authors: No reported disclosures.

246. Lymphogranuloma Venereum: a Croatian Case Report of a Patient with Proctitis and Concurrent Cervical Lymphadenitis

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Background. Lymphogranuloma venereum (LGV) can present with genital ulcers, proctitis, or cervicitis in individuals with or without constitutional symptoms. There have been reports on the infection characterized by suppurative or cervical lymphadenopathy, although there is no published data on the detection of Chlamydia trachomatis (CT) in the affected lymph node.

Methods. We report a patient with proctitis, cervicitis and cervical lymphadenitis, in whom LGV specific DNA was detected by polymerase chain reaction (PCR) in both the rectal swab and cervical lymph node fine needle aspirate.

Results. A 48-year-old Croatian HIV-positive male patient attended our outpatient HIV clinic complaining of a 10-day perianal pain, bloody rectal discharge with normal stool consistency and painful and enlarged cervical lymph node. On the first day he had fever, which subsided on the following day. Clinical examination demonstrated erythematous on the right tonsil, painful, and enlarged right cervical lymph node (Figure 1, Figure 2). Due to the patient's elevated C-reactive protein and rectal purulent discharge. During the preceding 10-year period, the patient was taking his antiretroviral therapy regularly and had an undetectable HIV RNA by PCR. We started treatment with ceftriaxone and doxycycline. The fine needle aspirate of the affected lymph node showed a progranulomatous inflammation. Indirect immunofluorescence assay on CT antibodies detected positive titers in IgG (>512) and IgA (256) classes. LGV-specific DNA was detected in both the rectal swab and the cervical lymph node fine needle aspirate. Ceftriaxone was discontinued after 5 days and doxycycline was continued for a total of 6 weeks because of the persistence of the cervical lymphadenopathy. The patient came to a full recovery.

Conclusion. We found six published case reports on LGV with associated cervical lymphadenopathy in which the infection with CT was established by serologic testing and/or nucleic acid amplification testing. The majority of patients of the pharyngeal and/or rectal swabs. Some of the mentioned reports demonstrated granulomatous inflammation present in the affected cervical lymph node, as was evidenced in our patient. To our knowledge, this is the first case report of a patient with CT infection in whom LGV-specific DNA was detected in the cervical lymph node.

Disclosures. All authors: No reported disclosures.