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AIDS presenting as *Shigella colitis* and *Pneumocystis jiroveci* pneumonia in a forty three year old male

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Background: About 450,000 people per year are infected with *Shigella* species in the United States, culminating in about 6,200 hospitalizations and 70 deaths per year. While most reported cases have previously been described in children under the age of 10, Shigellosis has now been recognized as a sexually transmitted disease among men who have sex with men, with direct oral-anal contact posing as major risk factor.

Methods: In this abstract, we describe a rare case presentation of sepsis due to *Shigella colitis* in a previously healthy individual that led to a new diagnosis of HIV/AIDS. What makes this case unique is that the patient's hospital course was soon complicated by hypoxic respiratory failure and recurrent sepsis associated with bilateral *Pneumocystis jiroveci* pneumonia confirmed with bronchoalveolar lavage.

Results: With appropriate antibiotic therapy and supportive measures, the patient made a remarkable recovery leading to discharge at a rehabilitation facility. In addition, the patient was followed at an HIV clinic and within six weeks of antiretroviral treatment, his viral load decreased by three logs and he had an appropriate immunologic response.

Conclusion: Shigellosis is a sexually transmitted disease that is prevalent in men who have sex with men, requiring a high index of suspicion in those who engage in oral-anal contact. To the best of our knowledge, this is the first case describing a previously healthy patient presenting with both *Shigella* and *Pneumocystis jiroveci* pneumonia, leading to a diagnosis of AIDS.

Biography

Celine Pascheles has completed her BA from Columbia University. She majored in Neuroscience and Behavior and graduated with Latin Honors, *Cum Laude*. She is now a Fourth Year Medical Student at Stonybrook University School of Medicine and is pursuing a career in Emergency Medicine.

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