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Manuscript NO: 65371

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Listeria monocytogenes bacteremia in a centenarian and pathogen traceability: A case report

Zhang ZY *et al.* *L. monocytogenes* bacteraemia and traceability

Abstract

BACKGROUND

Early diagnosis and appropriate antibiotic treatment are important to survival of *Listeria monocytogenes* (*L. monocytogenes*) bacteremia. Penicillin tends to be the most commonly used antibiotic. However, there are limited data on antibiotic use in elderly patients with serious complications. We describe the clinical presentation, antibiotic therapy and traceability of *Listeria monocytogenes* in a centenarian with a history of eating frozen food.

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Purpose: **Listeria monocytogenes** is an aerobic, motile, gram positive bacillus recognized as an intercellular **pathogen** in human where it most frequently affects neonates, pregnant women, elderly patients, and immunosuppressed individuals as well as healthy persons. Ocular listeriosis is rare, most frequently in the form of conjunctivitis, but has been also shown to cause rarely endophthalmitis ...

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INTRODUCTION. Listeria monocytogenes is an important bacterial pathogen in neonates, immunosuppressed patients, older adults, pregnant women, and, occasionally, previously healthy individuals. The clinical manifestations and diagnosis of listerial infection will be reviewed here. The

Listeria monocytogenes

Bacteria

Listeria monocytogenes is the species of pathogenic bacteria that causes the infection listeriosis. It is a facultative anaerobic bacterium, capable of surviving in the presence or absence of oxygen. It can grow and reproduce inside the host's cells and is one of the most virulent foodborne pathogens: 20 to 30% of foodborne listeriosis infections in high-risk individuals m... +

Wikipedia

Higher classification: Listeria

Scientific name: Listeria monocytogenes

Kingdom: Bacteria

Class: Bacilli

Order: Bacillales

Phylum: Firmicutes

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