

**Listeria, Erysipelothrix,
Lactobacilli and Kurthia**

Listeria monocytogenes

Listeria

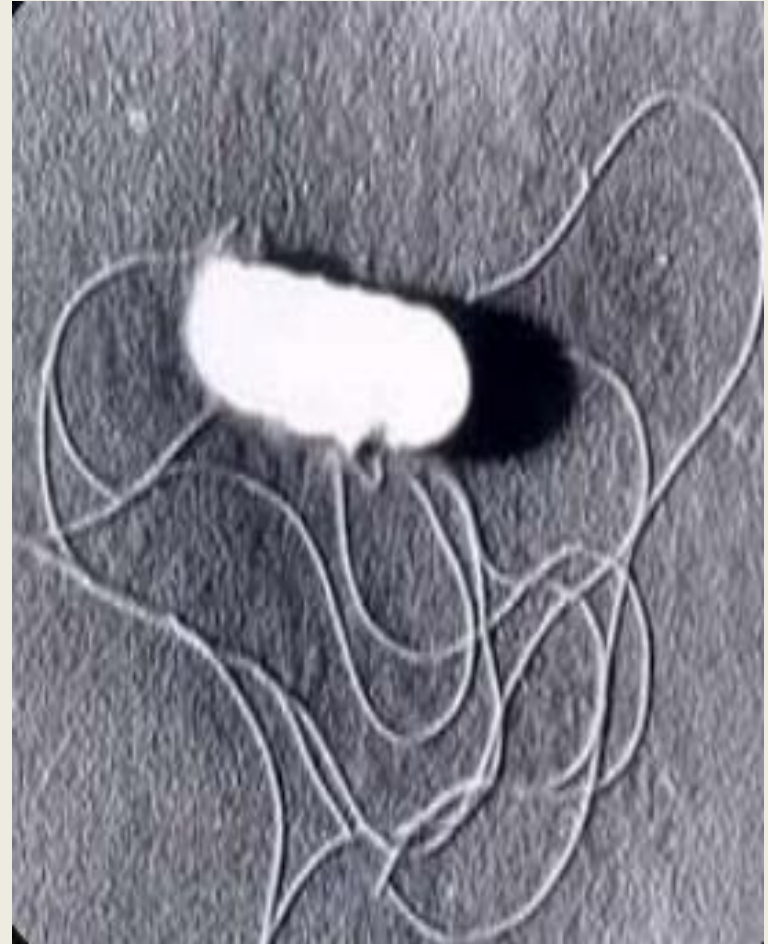


LISTERIA AND PREGNANCY



Listeria monocytogenes

- People at higher risk
- What is listeriosis
- Description
 - Gram-positive Bacilli
 - 1 -5 Peritrichous flagella
- Pathogenesis



Listeria monocytogenes

- **Clinical significance**
- **Immunocompromised individuals**
- **Infection in pregnancy and neonates**
- **Other clinical manifestations**

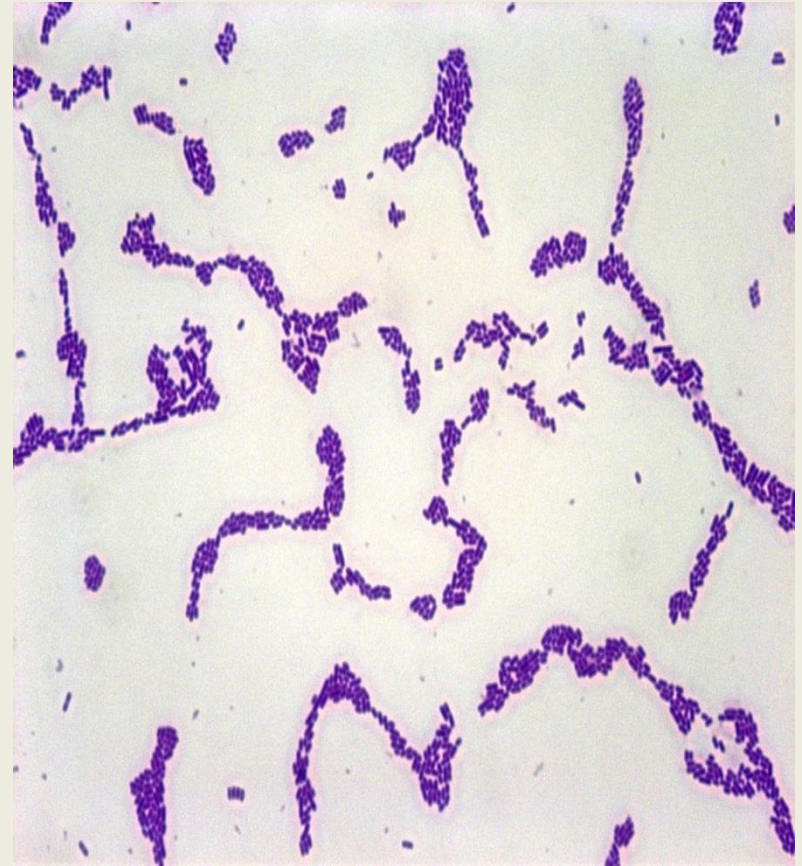


Listeria monocytogenes

- **Transmission**
- **Epidemiology**

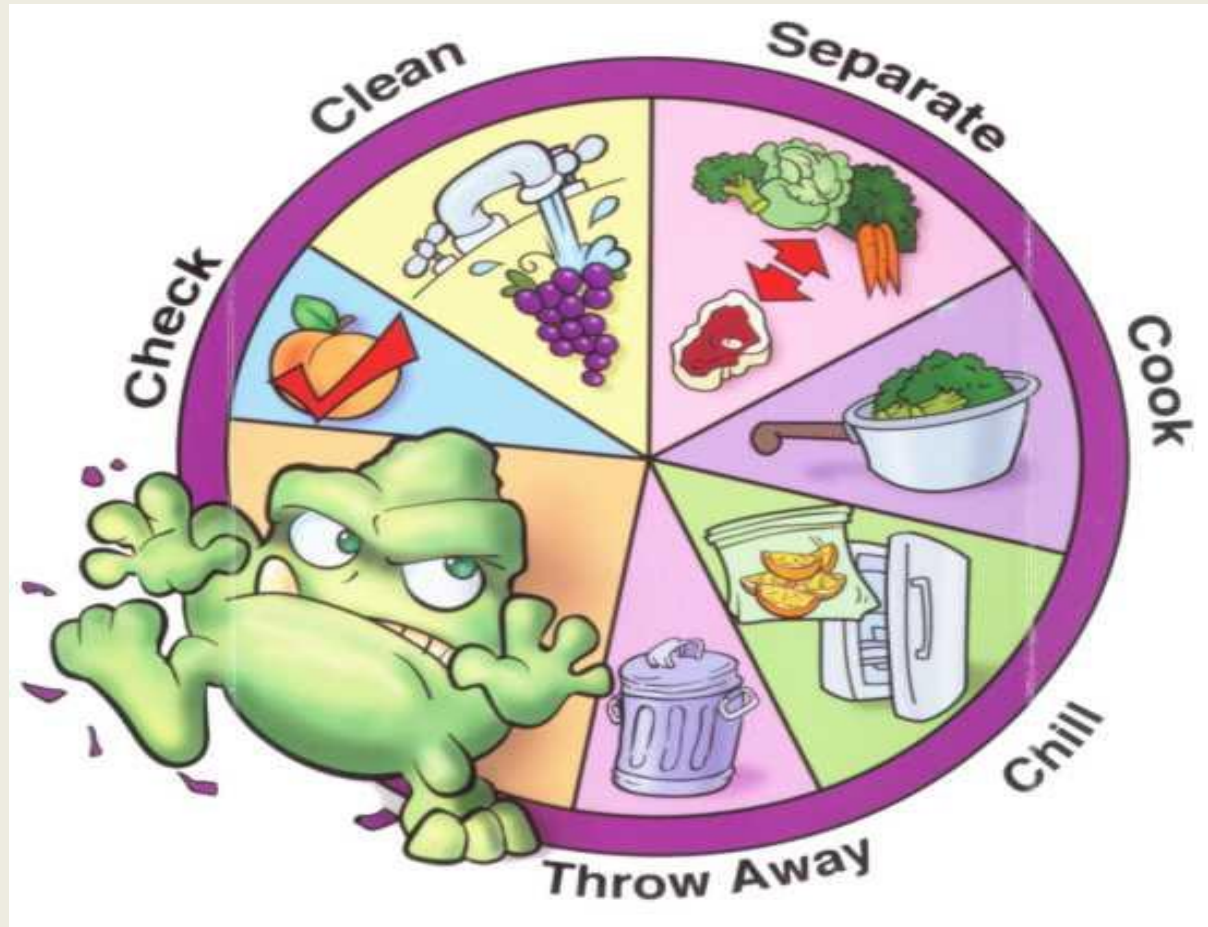
Listeria monocytogenes

- **Laboratory diagnosis**
 - Motility testing
 - Grows on Muller Hinton agar with sheep blood as enrichment
 - Hemolysis
 - Catalase test
 - Esculin hydrolysis
 - CHO fermentation



Listeria monocytogenes

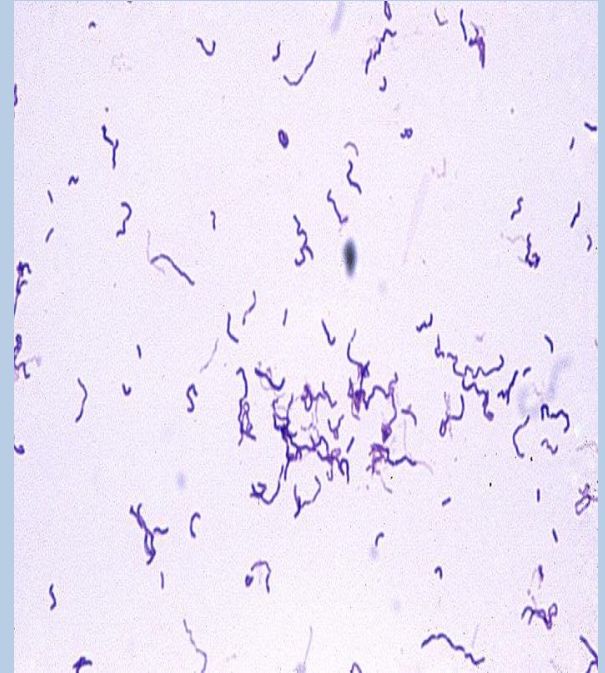
- Treatment
- Control



Erysipelothrix

Erysipelothrix

- **Description**
 - Gram-positive Bacilli
 - Non-spore former
 - *Erysipelothrix rhusiopathiae*



Erysipelothrix

- Clinical significance
- People at higher risk:



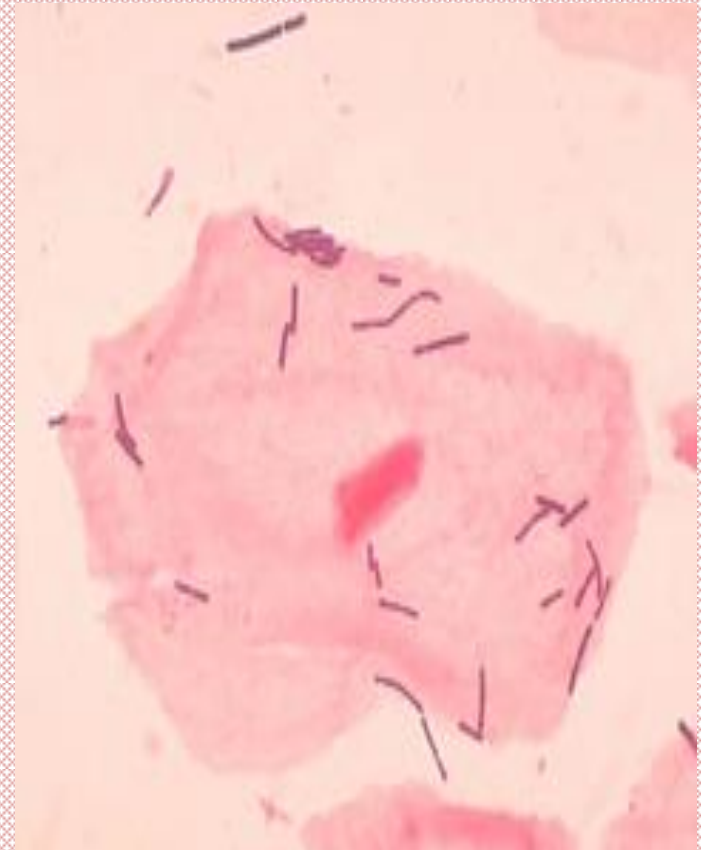
Erysipelothrix

- **Laboratory ID** *Erysipelothrix rhusiopathiae*
 - Gram stain
 - Motility testing
 - Grow @ salt ??
 - Hemolysis
 - Catalase test
 - Triple Sugar Iron (TSI) medium
 - Gelatin stab culture

Lactobacilli

Lactobacilli

- **Description**
 - Gram-positive Bacilli
 - Non-spore forming
- **Description and Clinical significance**



Lactobacilli

- **Laboratory ID**
 - Motility testing
 - Hemolysis
 - Catalase test
 - Oxidase test
 - Nitrate test
 - TSI medium

Kurthia

Kurthia

- **Description and Clinical significance**
 - Gram-positive bacilli, in chains
 - Meat after storage for a few days at 16°C
 - Farm animals especially chickens and pigs
 - Patients suffering from diarrhea

Kurthia

- **Description**
 - Non-spore forming
 - Motility testing
 - Nutrient gelatin slants
 - Catalase test