

Non immune complication



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Bacterial contamination reactions.

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Circulatory overload.

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Transfusion haemosiderosis

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Complications of massive transfusion

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Non immune hemolytic reaction

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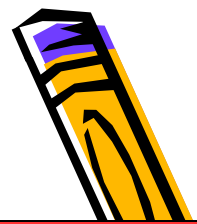
Disease transmission



Bacterial contamination reactions.

- ❖ Although uncommon, but this type of specific reaction can have a **rapid onset and high mortality in recipients.**
- ❖ The presence of bacteria in transfused blood may lead either to **febrile reactions** in the recipient (due to pyrogens) or serious manifestations of **septic or endotoxic shock.**
- ❖ Commonly caused by endotoxin produced by bacteria capable of growing in cold temperatures such as *Pseudomonas species*, *E. coli*, ***Yersinia enterocolitica.***

❖ Clinical manifestation



- Usually appear **rapidly** during transfusion or within about 30 minutes after transfusion
- **dryness, flushing of skin**
- **Fever, Hypotension, Chills, Muscle pain, vomiting, Abdominal cramps, Bloody diarrhoea, Hemoglobinuria, Shock, Renal failure, DIC.**

