



INFLAMMATION INFLAMATORY RESPONSE



Dr. Eman Tariq Ali

(Immunity) College of Pharmacy-Dep. Of Clinical Laboratory Sciences

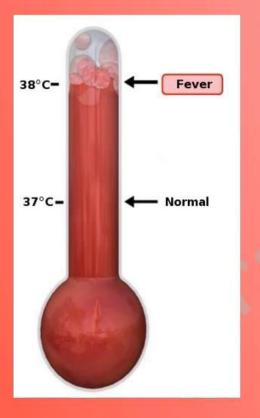
Lecture 1.

25/2/ 2019

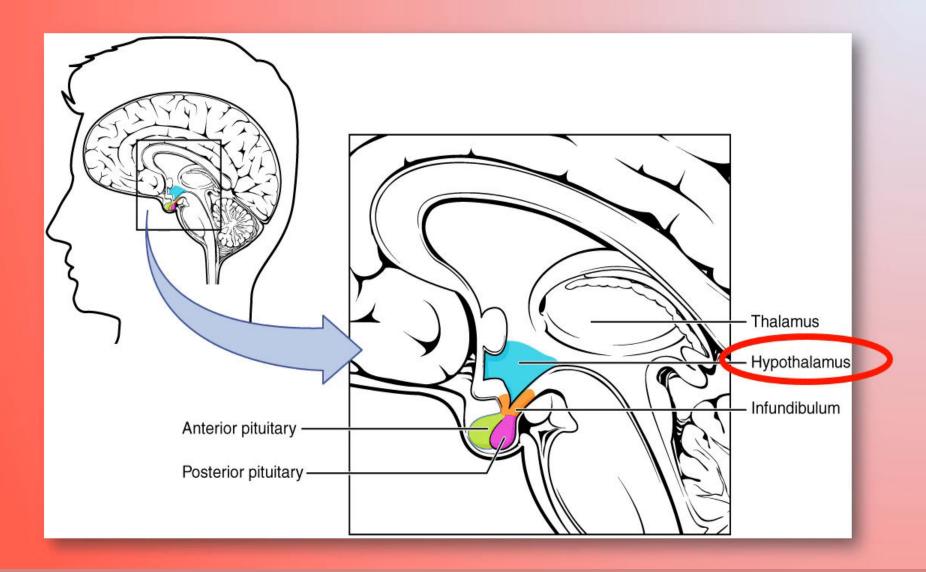
Fever

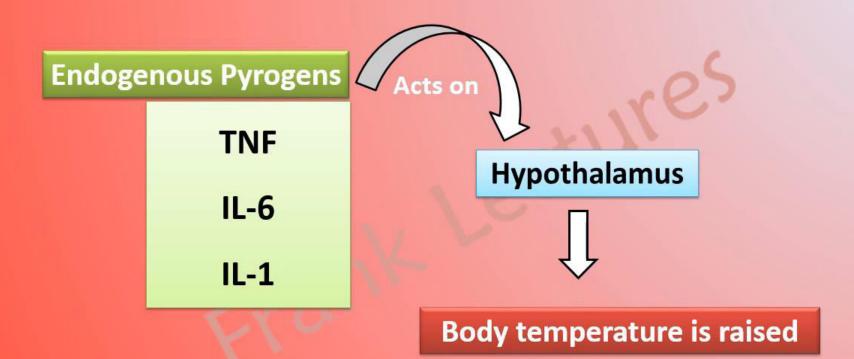


Fever

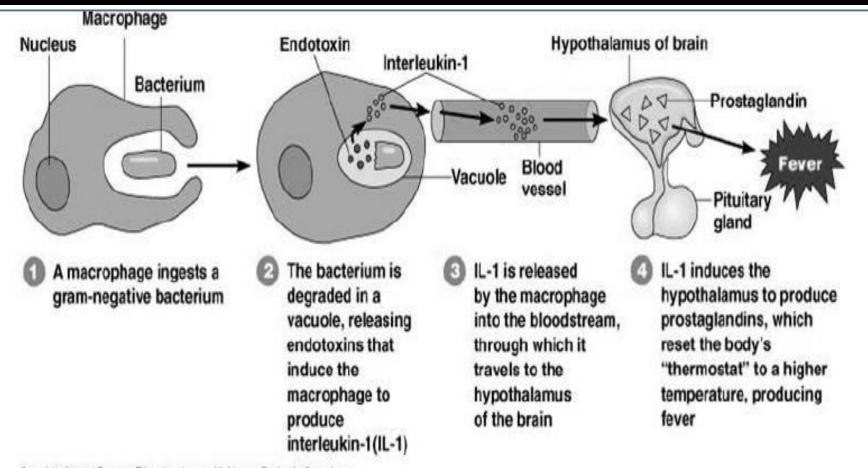


Fever is the body temperature above 37°C





Some of the contributors to fever



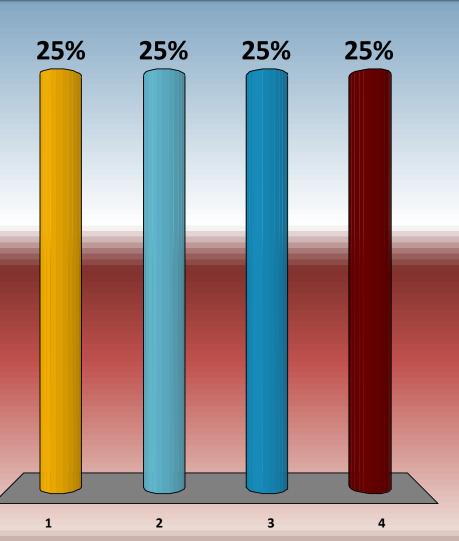
Copyright @ 2004 Pearson Education, Inc., publishing as Benjamin Cummings.

Beneficial roles of fever

- 1. Enhanced effect of interferons
- 2. Enhanced performance of phagocytes
- 3. Inhibition of growth of microorganisms.
- 4. Increased temperature also increases the metabolic rate of tissue cells in general, speeding up repair process.

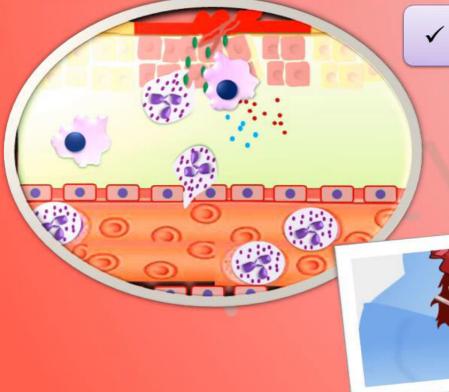
Fever is caused by

Toxins on the surface of viruses. 2. Release of histamines by damaged cells. Your own body's accumulated toxins. Your body's pyrogens signaling the hypothalamus.



SUMMARY

Inflammation



Elimination of invading microbes

✓ Prevents spread of infection

✓ Tissue repair

Stimulus,

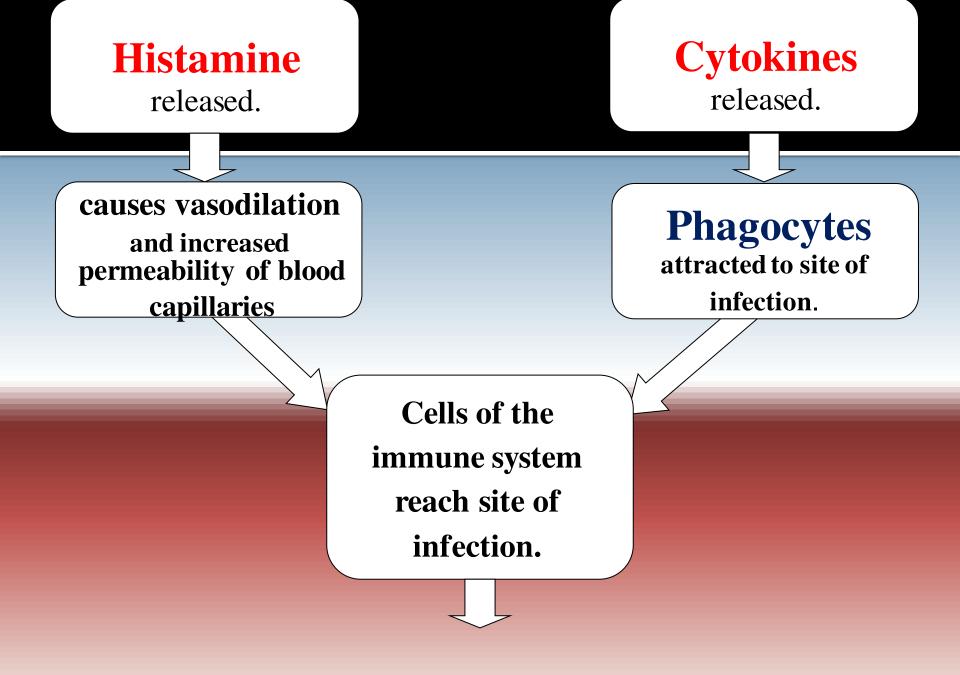
E.g. when tissues are injured by bacteria, trauma, toxins, heat or any other cause

Mast Cells

activated.







Cells of the immune system reach site of infection.

Complement (antimicrobial proteins)

amplifies the immune response.

Clotting elements promote

Coagulation

of the blood.

Healing

Why aren't non-specific defenses enough? Why do we also need specific defenses? W

Ο

R

K

Next lecture we will discuss the adaptive immunity.

THANK YOU FOR ATENTION