

Sepsis

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Sepsis is a systemic reaction to the infection

Site of infection

Bacteriemia

Local signs of infection

Systemic signs of infection

Sepsis

Immunodeficiency

Diabetes mellitus

Liver cirrhosis

Immunosuppressives, corticoids, chemotherapy

G- bacteria

Mortality in septic shock 25-60 %

Signs

Local : rubor, calor, dolor, tumor, functio laesa
fistula, discharge

Systemic:

Fever (septic fever- difference 2° C)

Weakness, fatigue

Shivering, sweating, tachypnoe, tachycardia

Nausea, vomiting, stomach pain

Septic shock

Tachycardia, hypotension

Flat breath

Pale periphery, acrocyanosis

ARDS

Circulatory failure

Disorder in consciousness

First aid

Basic principles, transport

Management

Drips, ventilation

Antibiotics

Noradrenalin, dopamin

Surgery: Ubi pus, ibi evacua

Allergy

Allergy = high sensitivity

Specific reaction of allergic substance to antibodies (Ig E) or to sensibilised lymphocytes

Release of histamin, serotonin, leucotrien

It occur's in repeated exposure to the same substance

Symptoms

1/ Vasodilatation

Local- erythema, papula (pimple)

Systemic- circulatory fluid into the periphery
- hypotension, failure of circulatory system

2/ Bronchi

Contractures of muscles – bronchospasmus

High secretion of fluid in airways- bronchi

Obstruction in airways, cough, dyspnoea, choking,
cyanosis

Higher motility in GIT, spasm in the abdomen

Anaphylactic shock

Acute systemic reaction to foreign substance, which organism met in the past time

Allergic substances: proteins of serum, blood products, colloids, antibiotics, food, sting from bee or wasp, herbs, flowers

Sensibilised person

Symptoms

Flash in the face, cough, dyspnoea,
choking, bronchospasm, laryngospasm
tachycardia, hypotension
nausea, vomiting
shock, unconsciousness

Insect sting

Bee, wasp, hornet

Pain at the site of the sting

Redness and swelling

In the mouth- swelling of tissues

- blocked airways

Flash in the face, cough, dyspnoea,
choking, bronchospasm, laryngospasm

tachycardia, hypotension

nausea, vomiting

shock, unconsciousness

First aid- insect sting

Ice cube to suck, cold water,

Cold compress-ice pack

Raising the affecting part

Free airways, oxygen

Adrenalin 0,5 – 1,0 ml s.c. or slowly i.v.

Inhalation of adrenalin

Aminophylin in bronchospasm

Noradrenalin- in systemic vasodilatation

Glucocorticoids in spray or i.v.