

# INFECTIOUS ENDOCARDITIS /IE/

## Definition:

Bacterial endocarditis may develop in any patient with a valvar abnormality, septal defect, vascular lesion before and also after surgery, in patients with prosthetic materials in heart, during serious infection....

## Etiology :

Strept. viridans, Staph.aureus, epid. Candida albicans aj.

Vegetations appear at a point of turbulent flow. They enclose live bacteria, not readily accessible to circulating antibiotics.

CAVE DENTAL DECAYS !!!!

## DIAGNOSIS :

Fever, fatigue, petechiae, splenomegaly, the appereance of a new murmurs , anemia, hematuria, weight loss

# DIAGNOSIS OF IE \_ ECHOCARDIOGRAPHY

Visible vegetations on echocardiogram

Blood examination:

Positive blood cultures , anemia, leukocytosis,  
hematuria

Therapy:

antibiotics according sensitivity i.v. 4-6 weeks,  
surgery

***PROPHYLACTIC REGIMEN for DENTAL, ORAL,  
UPPER RESPIRATORY TRACT, GENITOURINARY  
AND GASTROINTESTINAL PROCEDURES  
standard, alternative***

# ***PROPHYLACTIC REGIMEN***

- **Standard, basic - in stomatologic intervention or intervention in respiratory system and in oesophagus**
- **50 mg/kg Amoxicillin /with clavulan acid / p.o. 1 hour before examination or operation**
- **in allergy - 15mg/kg Clarithromycin, Clindamycin 20 mg/kg -p.o. 1hour, i.v. 30min before examination or operation**
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# *PROPHYLACTIC REGIMEN*

- **Standard, basic –in case of intervention in gastrointestinal or urogenital tract**
- **50 mg/kg Amoxicillin /with clavulan acid / p.o. 1 hour before examination or operation**
- **in allergy - 20mg/kg vancomycin- i.v. 1-2hour infusion before intervention**

# *PROPHYLACTIC REGIMEN*

- **Special prevention** i.v. , 6 month after operation of CHD and in children with any arteficial material in the heart for the whole life
- Ampicilin 50mg/kg+ Gentamicin 1,5mg/kg  
i.m. or i.v. 30min before intervention  
6hour after intervention amoxicilin 50mg/kg / max. 2g/