

Nonpathogenic Neisseria

Neisseria are gram-negative cocci-shaped bacteria. Of all species, only two are pathogenic to humans, *N. meningitidis* and *N. gonorrhoeae*.

Oral neisseria

- Gram-negative, non-sporulating aerobic bacteria;
- very little pathogenicity, such as pathogens in exceptional cases;
- common oral and pharyngeal flora;
- importance in the oral ecosystem (*N. sicca*, *N. subflava*, *N. lactamica*);
- pathogenicity outside the oral cavity;
- infections of endogenous origin;
- higher risk of pathogenicity in immunocompromised patients (endocarditis, meningitis).

Cultivation

- It is very easy to cultivate, blood agar is sufficient.

Biochemistry

- The most active of the whole family, by means of the difference in activity, they can be distinguished from other *Neisseria*.

Diagnostics

- Cultivation, possible confusion with beta-hemolytic streptococci (for differentiation oxidase test is used), *Neisseria*Test;
- *N. lactamica* and *N. cinerea* - growth on soil for gonococci, beware of confusion!

Therapy

- As with other *Neisseria*, some strains produce beta-lactamase.

Links

Bibliography

- VOTAVA, Miroslav. *Lékařská mikrobiologie speciální*. 1. edition. Brno : Neptun, 2003. 495 pp. ISBN 80-902896-6-5.