

Fusobacterium

The genus *Fusobacterium* includes **gram-negative anaerobic rods**, which are part of the natural bacterial flora of the upper respiratory, digestive and genital tracts. Pathogenic species include ***F. necrophorum*** and ***F. nucleatum***. *Fusobacterium* causes surgical and traumatic wound infections and complicates animal bites. It can be identified in mixed cultures causing pneumonia, thoracic empyema, intra-abdominal infection and abscesses. Rarely, *Fusobacterium* can cause osteomyelitis.

F. nucleatum is part of dental plaque, invasiveness is enabled by the ability to adhere to both G-negative and G-positive biofilm. Bacteria can also cause inflammation of the periodontium. ***F. necrophorum*** causes serious infections of children and adolescents, a severe condition is necrotizing tonsillitis accompanied by the formation of abscesses and abscesses.



Fusobacterium novum

Links

Related articles

- Gram-negative anaerobic bacilli and cocci
- *Bacteroides* spp.
- *Prevotella* spp.

Reference

1. *Public Health Agency of Canada. *Fusobacterium spp* [online]. [cit. 2014-10-18]. <<https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment/fusobacterium.html>>.
2. ↑ BENNET, K. W. *Fusobacteria : new taxonomy and related diseases* [online]. [cit. 2014-10-18]. <<http://jmm.microbiologyresearch.org/content/journal/jmm/10.1099/00222615-39-4-246?crawler=true&mimetype=application/pdf>>.
3. ↑ Microbewiki. *Fusobacterium* [online]. [cit. 2014-10-18]. <<https://microbewiki.kenyon.edu/index.php/Fusobacterium>>.

Recommended literature

- VOTAVA, Miroslav, et al. *Lékařská mikrobiologie speciální*. 1. vydání. Brno : Neptun, 2003. 495 s. ISBN 80-902896-6-5.