

Fusobacterium nucleatum – Friend or foe?

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Streszczenie

Fusobacterium nucleatum (*F. nucleatum*) is one of the most abundant Gram-negative anaerobic bacteria, part of the gut, and oral commensal flora, generally found in human dental plaque. Its presence could be associated with various human diseases, including, e.g., periodontal, angina, lung and gynecological abscesses. This bacteria can enter the blood circulation as a result of periodontal infection. It was proven that *F. nucleatum* migrates from its primary site of colonization in the oral cavity to other parts of the body. It could cause numerous diseases, including cancers. On the other hand, it was shown that *Fusobacterium* produces significant amounts of butyric acid, which is a great source of energy for colonocytes (anti-inflammatory cells). Therefore, it is very interesting to get to know the two faces of *F. nucleatum*.

Słowa kluczowe

Fusobacterium nucleatum, Commensal bacteria, cancer progression, Reactive oxygen species

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