

40

NCBI PubMed

PubMed QUERY

PubMed ?

Other Formats: Citation MEDLINE

Links: Related Articles

 Order this document*Oral Microbiol Immunol* 1992 Oct;7(5):257-262

Associations between microbial species in dental root canal infections.

Sundqvist G

University of Umea, Sweden.

The existence of commensal or antagonistic relationships between microorganisms in the root canals of teeth with apical periodontitis was investigated. Samples were taken from 65 infected human root canals and were analysed according to species, frequency of occurrence and proportion of the total isolated flora. The most frequent species were *Fusobacterium nucleatum*, *Prevotella intermedia*, *Peptostreptococcus micros*, *Peptostreptococcus anaerobius*, *Eubacterium alactolyticum*, *Eubacterium lentum* and *Wolinella recta*. An odds ratio system was used to calculate positive or negative associations between the isolated bacteria. Strong positive associations were found between *F. nucleatum* and *P. micros*, *Porphyromonas endodontalis*, *Selenomonas sputigena* and *W. recta*. There was also a positive association between *P. intermedia* and *P. micros*, *P. anaerobius* and the eubacteria. In general, species of streptococci, *Propionibacterium propionica*, *Capnocytophaga ochracea* and *Veillonella parvula* showed no or negative associations with the other bacteria. The results are consistent with the concept of a special and selective environment occurring in the root canal that is due, in part, to the cooperative as well as antagonistic nature of the relationships between bacteria in the root canal.

PMID: 1494447, UI: 93157087

Save the above report in Macintosh Text format

Order documents on this page through Loansome Doc