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## Endodontic bio-film concepts – Reconceptualized

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Current concepts suggest that endodontic infections are caused by microbial bio-films that are formed on the dentinal surfaces of root canal system. Co-aggregation and co-adhesion reactions of microorganisms are significant factors in development, stabilization and maintenance of complex communities. A good understanding of the co-aggregation of bacteria in root canal infection is important to enable development of techniques to eliminate microbial bio-film. Interactions between *Enterococcus faecalis* and *Fusobacterium nucleatum* found in root canal infections might be important for the development and persistence of endodontic disease. Various co-aggregation mechanisms are the cause for these bacterial interactions. Co-aggregation inhibition of bacteria will simplify the eradication of bacteria from the root canal. This presentation will revisit the co-aggregation and its inhibition of bacteria in the endodontic bio-film.

### Biography

Hannah Rosaline has completed her MDS in 2004 and is currently working as a Professor in the Department of Conservative Dentistry and Endodontics at Sri Ramachandra University, India. She is also pursuing her PhD in Endodontic Microbiology. She has 2 international and 9 national publications to her credit. She had delivered many guest lectures and also received best paper awards in the area of Endodontics.

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