

P26 Antimicrobial activity of artemisia spp. on clinically isolated streptococcus mutans

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This study was performed to investigate whether essential oils of *Artemisia* spp. have antimicrobial activity against *S. mutans* strains. For the study four clinical isolates were isolated from saliva samples of seventeen people and investigate antimicrobial activity of *A. lavandulaefolia* DC, *A. scoparia* and *A. capillaries* against the *S. mutans* clinical isolates including reference strains, KCTC 3298, KCTC 3605(ATCC 25175), KCTC 3306 and GS5 with MIC(Minimum Inhibitory Concentration), MBC (Minimum Bactericidal Concentration) and time-kill studies. *A. lavandulaefolia* DC, *A. scoparia*, and *A. capillaries* have antimicrobial activity against the *S. mutans* clinical isolates including reference strains suggesting that it might be useful for control of dental plaque formation and subsequent dental caries formation.