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## Phytochemical characterization and therapeutic efficacy of *Psidium guajava* L. in clinical cases of otitis externa

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Otitis externa in dogs is an acute or chronic inflammation of the external ear and the dogs with long pendulous ears are most commonly affected. The present study was conducted for phytochemical characterization of leaves of *Psidium guajava* L. and also the antimicrobial potential against canine otitis externa. Crude solvent extraction was performed with water, chloroform, ethanol and acetone. Phytochemical analysis reported presence of alkaloids, flavonoids, tannins, saponins quinines etc which are responsible for the antimicrobial activity of the plant. Minimal Inhibitory concentration study revealed the efficacy of Guava leaves extract effective against the growth of test organisms. Ethanol extract showed maximum efficacy and served as antibacterial agents and can be used in the treatment of otitis externa condition in canines.