Antibacterial activity of two different Prathisaranas against periodontitis

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Abstract

'Kushtaadi Choorna and Shwethamanjana Choorna' are used in the treatment of Danthamulagatha Roga such as Sheethada, Danthaweshta and Upakusha. These formulations are used specially as a local treatment. Staphylococcus aureus and Methicillin resistant Staphylococcus aureus (MRSA) are main causative organisms of periodontal diseases. The present study was carried out to determine the antibacterial activity of Kushtaadi choorna and Shwethamanjana choorna using agar well diffusion method in comparison with standard antibiotic Amoxicillin against the Staphylococcus aureus (ATCC 25923) and Methicillin resistant Staphylococcus aureus (MRSA). The samples of Prathisarana were prepared in fine powder form, Amoxicillin as positive control and triplicates were made for each test. Observation was recorded by measuring the diameter of the inhibitory zones surrounding the wells. According to the results, inhibitory effect of both Prathisarana samples were significant for Staphylococcus aureus and Methicillin resistant Staphylococcus aureus (MRSA).

Keywords: Kushtaadi Choorna, Shwethamanjana Choorna, Danthamulagatha Roga
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