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Evaluation of the anti-bacterial effect of traditional *Lodhradi lepa* and *Lodhradi* cream against the laboratory specimen of *staphylococcus aureus*: a laboratory experiment

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Abstract

Acne vulgaris is a chronic disease which destroys the beauty and cause disfigurement of the face especially in the adolescence. Acne vulgaris is known as *Mukhadushika* or *Yuvana Pidaka* in *Ayurveda*. Acne vulgaris, secondary infected by *Staphylococcus aureus*. *Lodhradi lepa* is an external application for *Yuvana Pidaka* in *Ayurveda*. The study was to test the anti-bacterial activity of the traditional *Lodhradi lepa* and *Lodhradi* cream against the *Staphylococcus aureus*. The anti-bacterial sensitivity test was done on well diffusion method with freshly prepared drugs. In trial one it was tested with freshly prepared drugs and the second trial was done with two different concentrations of freshly prepared drugs. In both trials the zone diameters were among 00-12mm and as the diameters were not among the resistant or susceptible level *Staphylococcus aureus* is not susceptible to these external ointments. Erythromycin the positive one was highly susceptible. *Staphylococcus aureus* was not susceptible for the traditional *Lodhradi lepa* and *Lodhradi* cream. The traditional *Lodhradi lepa* and *Lodhradi* cream would be used in acne vulgaris to reduce inflammation like symptoms due to its pacifying properties.

Keywords: Acne vulgaris, *Staphylococcus aureus*, Traditional *Lodhradi lepa*, *Lodhradi* cream

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