

## Invitro Inhibitory Effect of Water and Alcoholic Extract of Naf Venues (col- Cal, Umbilicus Intermedus Boiss) on Staphylococcus aureus and Pseudomons aeruginosa

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**Background & Objectives:** Recently due to drug resistancen application of phormaceutical herbal treatment of bacterial infections has special importance on of the tradition herbal drug in weotren area of iron is nafe venues ,that used in infection therapy . This study aim is to study of inhibitory effect of this plant on bacterial inventor.

**Methods:** In this experimental study, water and alcoholic extortion of naf venues was done. Inhibitory effect of extracts on *S.aurus* and *P.aeruginosa* in molleur hinton agar was evaluated. MIC was determined by macro dilution method.

**Results:** Inhibitory zone of alcoholic extract on *S.aurus* and *P.aeruginosa* was lanmn and lonm respectively. zone of inhibition of water extract for *S.aurus* and *P.aeruginosa* was 20mm and 14mm respectively. MIC and MBC for *S.aureus* was 10ugr/ml and 20ugr/ml, for *P.aeruginosa* was 15ug/ml and 25ug/ml .

**Conclusion:** The water extract had higher antibacterial effect than the alcoholic extract. This extract had higher effect non gram negative bacteria than gram positive.

**Keywords:** Extract; *Staphylococcus aureus*; *Pseudomonos aeruginosa*; MIC; MBC