Ampucare Performed Good Antimicrobial Activity under All Storage Conditions

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Infection of the wounds is a major problem for patient treatment. Ampucare is a herbal wound healer that have an oil based formation and it is practicable on external wounds only. Its active ingredients are ampuccare are Azadirachta indica and Curcuma longa (Soni et al., 2010). Ampucare derives from the word amputation i.e., intentional surgical removal of a limb or body part and to remove diseased tissue or relieve pain. Its antimicrobial and anti-inflammatory activity have been proved against E. coli, Pseudomonas aeruginosa, Proteus mirabilis, Staphylococcus aureus, Enterococcus aerogenes and Candida albicans (Saurab et al., 2008). Ampucare is also found to be effective in dermal infection treatments (Chaudhary et al., 2008a, b). It may also used for diabetic leg ulcer, burns, bedsores, venous ulcer, arterial ulcer, skin infections, traumatic wounds and post-operative wounds. Antifungal effects of ampucare have also been indicated by several studies (Lund et al., 1997; Wolfe et al., 1997).

A study has been conducted by the Indian scientist to investigate the antimicrobial activity of ampucare under normal storage, freeze thawed and sedimented condition against Escherichia coli, Staphylococcus aureus, Klebsiella pneumoniae and Proteus vulgaris. Ampucare showed rapid killing time in all storage conditions while no deviation in pattern of bacterial inhibition and no re-growth have been observed during the study time. So, the researchers concluded that ampucare performed good antimicrobial activity under all storage conditions of study and have no impact of freezing/thawing or sedimentation of ampucare on the pattern of time-kill curve in organisms under observation (Shrivastava et al., 2009).

REFERENCES