

An in vitro Study on Synergetic Antifungal Activity of Garlic Extract with Honey and Lemon Juice against Candida sp.

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Abstract : The incidence of Candida infections is increasing worldwide. The serious nature of these infections is compounded by increasing levels of drug resistance. Pure cultures of the Candida sp. were obtained from clinical isolates and fresh garlic extracts were obtained by extraction techniques. The antifungal activity of garlic extract was investigated in an in vitro system. The extract (100%, 75% and 50%) showed significant antifungal activity against Candida, whereas, low concentration (25%) of the extract showed less antifungal activity against the test organism. Antifungal activities of honey and lemon juice were tested against the Candida; however, the growth was not inhibited by these extracts. On the other hand honey and lemon when combined with garlic exhibited a good antifungal activity. The study thus confirms the antifungal properties of garlic extract along with additives like honey and lemon have significant antifungal activity against isolates of Candida species.

Keywords : Candida, garlic extract, lemon, synergistic antifungal activity

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