



Honey and the use in cancer therapy

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ABSTRACT

Honey is a sweet adhesive liquid which is dark in colour produced by a honey bee of different species which is produced from nectar. The colour and the flavour is known by the flower from which nectar is collected. The honey is also a natural immune booster which protect it from chronic infection, chronic inflammation. Honey has anticancer effect. Honey contain many properties. Honey offers a good source of antioxidant, antibacterial, antifungal properties.

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Skin is the connective tissue which is protective in nature. It not only serves as sensory and physical barrier from external hazards but also generate the internal homeostatic fluctuations. Sometimes, it is exposed to many either major or minor wounds and burns etc. and rate of skin recovery which indirectly ensures the regeneration of internal normal state of the body. For this case, low cost local produce like flora and honey bee products should be preferred over hazardous anthropogenic drugs to commonly prepare stimulatory medicines for improved dermal injuries recovery rate along with less side effects.

Methods

Honey contain estrogen by its antagonistic action since it is useful in estrogen-dependent cancers such as breasts and endometrial cancer. In order to know about the usefulness of honey we have understand that there are different factor in considering the cause of cancer. Due to Carcinogenesis nothing but due to formation of normal cell to cancer cells. The development of cancer take long duration it takes place in progressive process. The cell damage can be done in one factor or the multiple factor.

The cancer is also related to age factor because the elder people will have the less immune system compared to younger generation. The recent estimation is that by 2050, there will be 27 million people will be projected to have cancer and the most of people to be from the developing countries.

Honey has the Capability of producing the inflammatory cytokines which produced from the monocytes. The honey are found to be increased in TNF- α and

also IL-1 β and IL-6 that are released from MM6 cells when compared to untreated and the artificial treated cells.

Honey acts as a Antimicrobial agent

Daily the humans are exposed to the various micro organism like bacteria, parasites, Fungi and virus. Honey acts as a Antimicrobial agent. The infection that are common in human being is staphylococcal infection. Honey has application in infected wounds that reduced the sign of the inflammation and also effective against the coagulase negative staphylococcal. The honey application in the infective conjunctivitis that help in reducing the swelling and help in eradicate the bacterial infection. when honey is in use as a antibiotics and gentamycin intensify the anti staphylococcus aureus work by 22%. Honey is effective in killing the bacteria like Pseudomonas aeruginosa and which leads to treating in very new approach the chronic rhinosinusitis. Honey is effective in killing the many infectious diseases like bacterial, fungal diseases. Especially in killing the bacteria such as the pseudomonas which help in treating the chronic rhinosinusitis.

Conclusion

The major objective of this study was to highlight the effectiveness and biochemical significance of economical and local products of honey bee which are used as good alternative skin healers to replace different synthetic drugs and antibiotics. To provide the effectiveness and to obtain improve the skin wounds and burns recovery rate.