

Antibacterial effect of different Honeys on bacterial isolates from wound infections

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From National Conference on Natural Products as therapeutics, Medical Microbiology, Nanobiology and System biology: Current Scenario & Emerging Trends, 'NATCON-2014'.

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18-19 September 2014.

American J of Bio-pharm Biochem and Life Sci 2014 September, Vol. 4 (Suppl 1): P 70

ABSTRACT

Antibacterial activity: Anything that destroys\reduces certain types of Bacterial growth. Hence certain bacteria cannot reproduce further. The Antibacterial activity in honey is due to the enzymatic production of Hydrogen peroxide. Honey: It is a sweet and viscous fluid produced by honey bees derived from the nectar of flowers. It has a similar composition to granulated sugar 50% fructose and 44% glucose and approximately the same relative sweetness; 97% of the sweetness of sucrose. The purpose of this presentation is to find the "Anti -bacterial effect of different honey on bacterial isolates from wound infection". The methodology includes isolation of organisms from wound infection by swabbing method. These isolates were identified by biochemical and staining techniques and were tested for anti bacterial activity by standard methods. The result shows, that all the isolates were found be sensitive except one isolate. The MIC concentrations were varied for each isolates which showed positive result. . This project shows that the honey especially raw honey can be used to treat the wound infection which is not having any harmful chemicals.