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The pain decreasing effect of the alcoholic extractof *Trachyspermumammi*(L.) (Ajwain) in experimental animals

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Abstract:InIraq traditional medicine,the decoction of *Trachyspermumammi* is claimed to possess antinociceptive activity. The purpose of this research is to study the pain decreament of alcoholic extract " of *Trachyspermumammi* in experimental animals , using three algesiometric methods and different doses. The results appears that extract intended to have an acceptable statistical values P<0.05)" as a pain decreasing agent. The antinociceptive action of the extract was rapid in onset in action with prolong time of activity. The pain decreasing effect of the extract was inhibited by Metclopramide and Atropine ". Moreover, the extract has no sedative activity. The extract consist of many chemical components such as alkaloids , flavonoids , steroids , and polyphenols " that possess the pain decreament effect . The pain decreasing effect of the extract shows effectiveness on neural and inflammed pain in the body . The effect obtained of this work was new aspects and determine that *Trachyspermumammi exert a long term high decreasing effect on different types of pain , which indicate its folkloric in uses as a pain decreasing effect.*

Key word:*Trachyspermumammi*(L.) (Ajwain) ,"dopaminergic mechanisms, muscarinic mechanisms ", pain decreament ,toxic effect.

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