ID-112-OP

Phytochemical Screening and Isolation of Bioactive Constituents from Methanolic Extract of *Centella asiatica* (L.) Urb for Its Anti Ulcer Effects.

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Since ancient times *C.asiatica* has been used in traditional medicine for various pathological disorders and in particular for healing wounds. For the pharmacological as well as pathological discovery of novel drugs, the essential informations regarding chemical constituents are generally provided by qualitative phytochemical screening of plant extracts. In the present study the phytochemical screening done on the methanolic extract of *Centella asiatica* resulted in the positive findings of plant secondary metabolites such as tannins, flavonoids, alkaloids, triterpenoids, saponins etc supporting the previous reported constituents of *Centella asiatica*. These constituents (alkaloids, tannins, saponins, triterpenoids etc) are known to promote wound healing process due to their anti oxidant and anti microbial activities. TLC profiling gave an impressive result (R_f value was 0.35 and 0.59). The presence of triterpenoid, asiaticoside was confirmed by comparing the obtained R_f values of the sample with standard reference. The isolated pure compound was then subjected to IR and NMR studies, the results of which confirmed it to be asiaticoside and asiatic acid. Based on these effects the study of bioactive components of *Centella asiatica* especially asiaticoside and asiatic acid would be helpful in the field of drug development and research aiming at wound healing property.

Key Words: *C.asiatica,* wound healing, phytochemical