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Phytochemical constituents of natural extract of Prickly Pads (*Opuntia ficus-indica*) using (ICP-EAS)/ (GC-MS) techniques and the application of allergic rhinitis treatment

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Untreated cold purified natural extract of an organic Prickly Pads of *Opuntia ficus-indica* (Figure-1) grows in Northern Area of Jordan was used for the treatment of allergic rhinitis for 216 patients with almost no side effect. Treatment of skin disease especially eczema, was observed but with lower values. In this study most of the allergic rhinitis patients were females with ages ranging between 6-80 years. 66% of the patient responded to treatment, 67% of the patients were active smokers. Patients that did not respond to treatment were found to require surgical treatment. The plants which naturally grow in Jordan was chemically prepared and examined to their phytochemical constituents using Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-EAS) and Gas Chromatography-Mass Spectroscopy (GC-MS) Detection. 22 trace elements as well as 32 organic (pharmaceutical) compounds were analyzed and identified, they considered as a new set of active ingredient which was contributed for the treatment of allergic rhinitis.

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