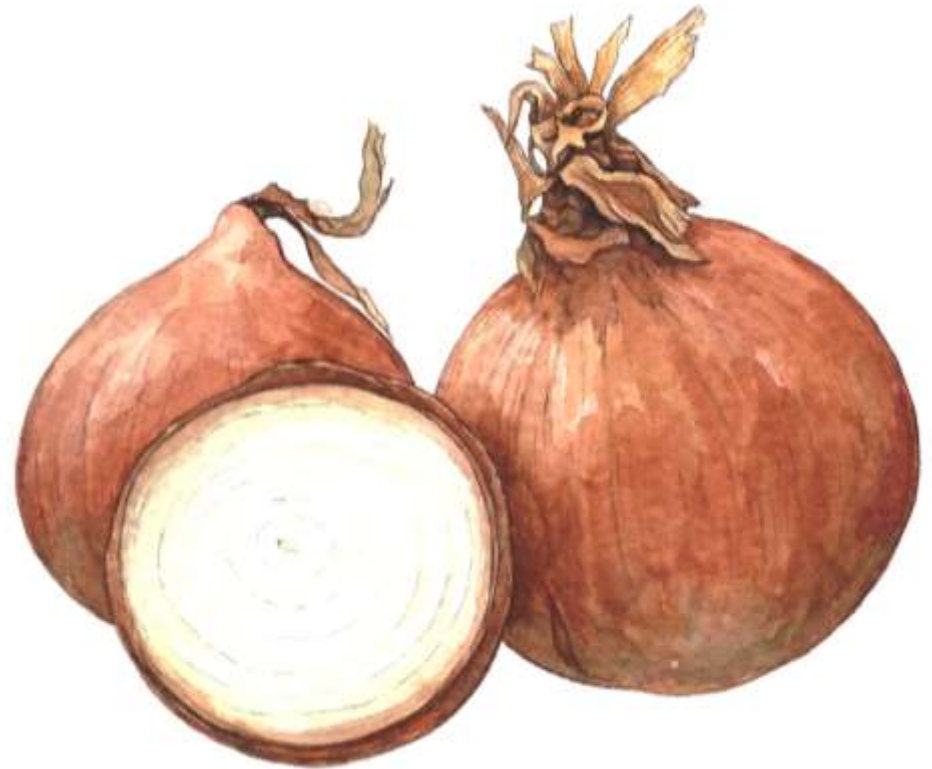


# Onion Extract

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## Plant Story

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*Allium cepa*, or common onion, is the most widely cultivated species of the genus *Allium*. Having a global consumption, it is also one of the most important, and widely cultivated vegetables. Used as the base of many dishes, it is fried, sautéed, boiled and made into chutneys and pickles. Onion has a long history of use as both a food and a medicine. As a traditional medicine, it is used for blood vessel health, for reduction of cholesterol, as an anti-bacterial agent and to manage infection. In Iran, onion has been used for skin and hair care. Especially, it is well-known for hair strengthening and increasing synthesis of collagen and keratin according to traditional herbal remedy from Iran. In Southeast Asian traditional medicine, onion has been used as a wound healer and to remove scars. Onion is a rich sources of flavonoids and is a healthy sugar source.

# Plant Story

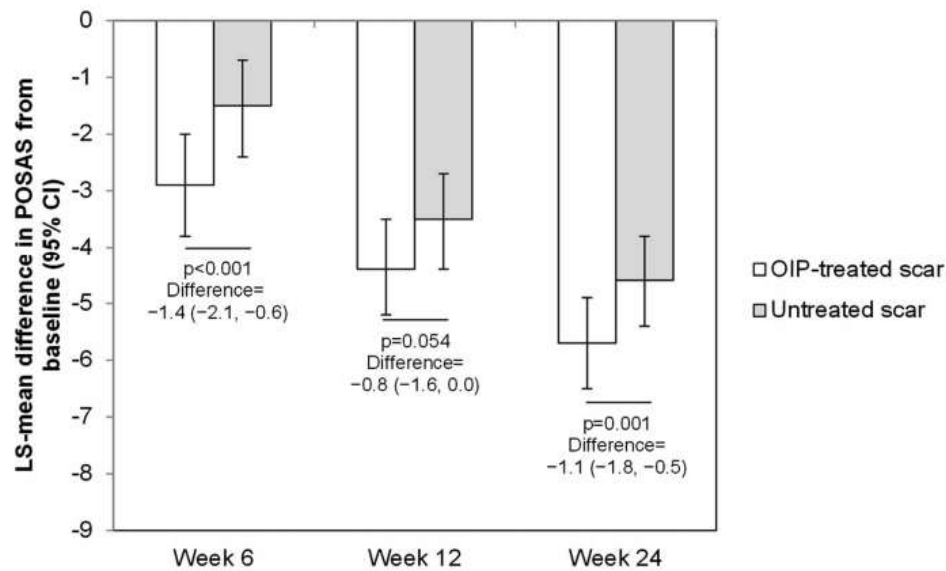
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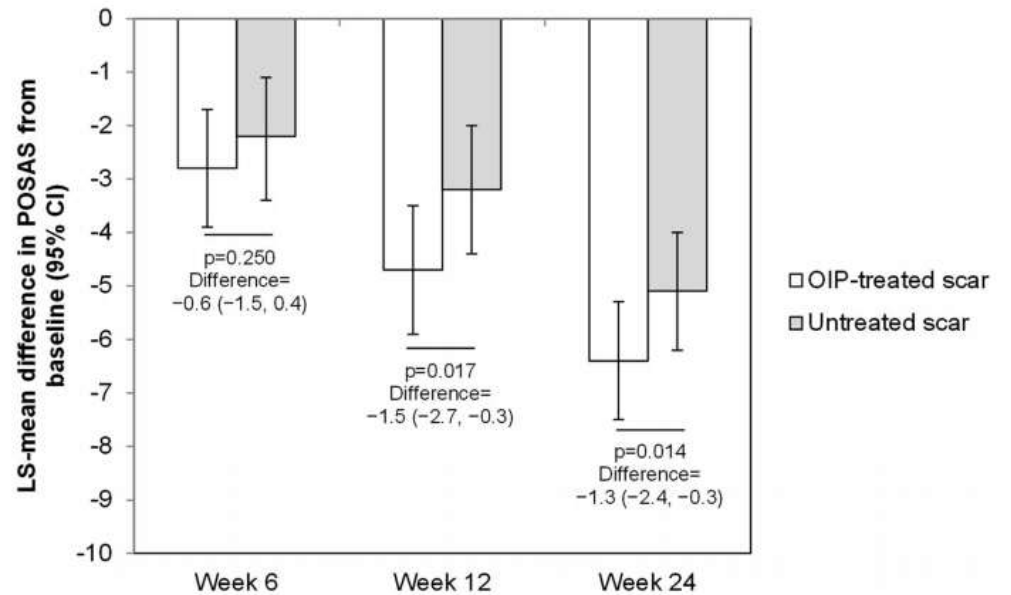
Many epidemiological studies have suggested that regular consumption of onion is associated with the reduction of lifestyle-related diseases. Onion is an important dietary source of quercetin and its derivatives. Quercetin derivatives from onion showed inhibitory effect on melanin synthesis, suggesting its role as a skin brightening agent in cosmetic products.

# Research Studies about *Allium cepa* extract

## Onion extract contained OIP effect on post-dermatologic scars



Changes from baseline in observer-evaluated POSAS. At baseline and weeks 6, 12, and 24, blinded observers completed the observer-assessed POSAS.



Changes from baseline in patient-evaluated POSAS. At baseline and weeks 6, 12, and 24, study subjects completed the patient-assessed POSAS.

Abbreviations:

CI (confidence interval), LS (least square), OIP (overnight intensive patch containing onion extract), POSAS (Patient and Observer Scar Assessment scale)

Effectiveness and safety of an overnight patch containing *Allium cepa* extract and allantoin for post-dermatologic surgery scars, Prager W & Gauglitz G, Aesth Plast Surg, 2018, 42(4), p.1144-1150

## Product Information

- ❖ **Product Name:** Onion Extract-GNS, Onion Extract(GOL)-RSPO
- ❖ **INCI Name:** Allium Cepa (Onion) Bulb Extract
- ❖ **Dosage:** 1 – 3%
- ❖ **Formulation:** Add to the formulation when the temperature is lower than 55°C. Recommended to add after the cooling process.
- ❖ **Storage:** Avoid direct light or UV. Keep it in a dry area at room temperature.



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