**Improve Adrenal Insufficiency with Licorice**

- Improves Adrenal cortical insufficiency
- It has pseudo-aldosterone effects
- Helps chronic gastritis
- Relieves symptoms of arthritis and bronchitis

**About Licorice root:**

It contains at least 4% glycyrrhizic acid and 25% water-soluble matter. Licorice root also consists of the peeled, dried roots and stolons of G. glabra and their preparations in effective dosage. The peeled roots contain at least 20% water-soluble matter. The root contains flavanone and isoflavanone derivatives, potassium and calcium salts of glycyrrhizic acid, phytosterols, and coumarins.

In many European countries it is approved for the treatment of bronchitis, peptic ulcer, chronic gastritis, rheumatism and arthritis, and adrenocorticoid insufficiency

**How Licorice works**

The pseudo-aldesterone-like effects are generally attributed to the metabolites of glycyrrhizic acid which bind mineralocorticoid receptors and block the action of 11-beta-hydroxysteroid dehydrogenase.

It also has been shown to accelerate the healing of gastric ulcers and to have demulcent and expectorant effects. It has an antispasmodic action on smooth muscle. On prolonged use and with higher doses, sodium and water retention and potassium loss may occur, accompanied by hypertension, edema, hypokalemia, and, in rare cases, myoglobinuria. It is also a mild laxative.

Within several weeks of discontinuing use, symptoms of hyperaldosteronism disappear. Licorice is not recommended during pregnancy or lactation.

**Interactions with Other Drugs:** Potassium loss associated with the use of other drugs such as thiazide diuretics can be increased. Low potassium level increases the sensitivity to digitalis glycosides.

By John W Jones, MD, MPH
Nutritional Consultant for Nutrition Pure and Simple
[www.jjconsulting.net](http://www.jjconsulting.net)

**Supplement Facts:**
- Serving Size: 1 Capsule, Servings per Container: 60
- Each capsule contains 200 mg Glycyrrhiza glabra root extract 4:1 (equivalent to 800 mg whole herb)
- Other ingredients: microcrystalline cellulose, magnesium stearate, gelatin.

**Suggested Use:**
- Take 1 capsule twice daily or as directed by a health professional.

*Highest Quality HPLC Analyzed Plant Extract*

How Licorice is Supplied:
- VMLIC Bottles of 60 Capsules

**Related Product:** Ultra Adrenal Complex

*These statements have not been evaluated by the Food and Drug Administration. Products are not intended to diagnose, treat, cure, or prevent any disease.*