

DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION COMPARISON STUDY OF THE EFFECT OF FIG FRUIT AND ALLOPURINOL DRUG ON GOUT

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The aim of study is to investigate the effect of dried and fresh Fig fruit on the level of serum uric acid (SUA), and to find a base for future study to clear ability of giving of this fruit or extractive effective substance for patients with hyperuricemia (increasing of serum uric acid) or patients of gout specially those suffering drug sensitivity that are lowering level of serum uric acid.

This study is experimented on 50 patients with known level of serum uric acid. From these fifty patients, twenty five person (15 male, 10 female) were given fresh Fig fruit with weight of 150 - 160 g, and other 25 patients were given them dried Fig fruit with weight of 45-50 g within 10 days in both cases. Then we measured the level of serum uric acid of these 50 patients.

The results showed, there is a significant depression that in the level of serum uric acid in most of patients with different percent from person to another in both case of fresh and dried Fig. Statistical analysis with use of paired t-test showed a significant difference (0.940) with high degree ($p > 0.01$) for effect of dried and fresh Fig fruit on the level of serum uric acid (SUA).