

# Influence of the diet on polycystic ovary syndrome

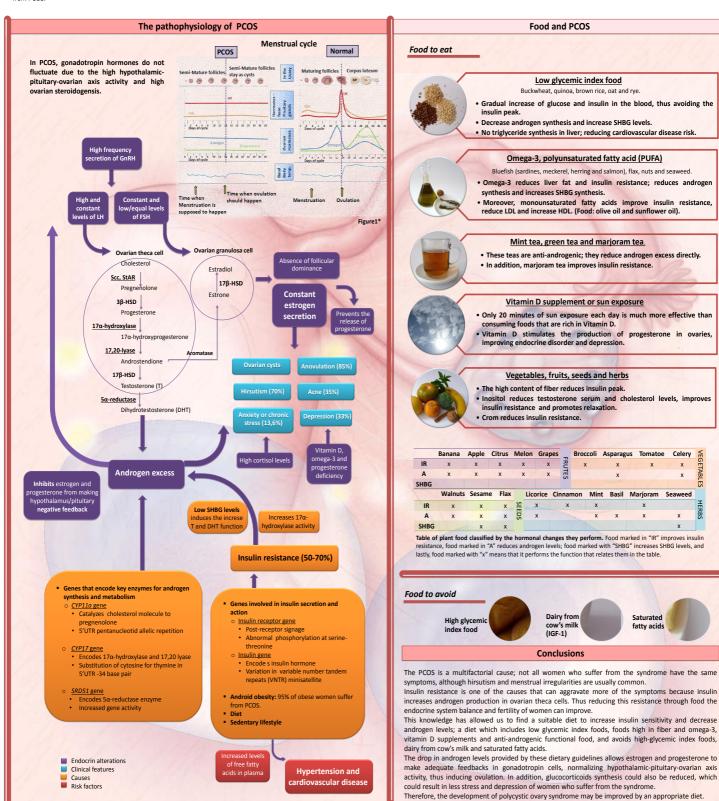
Marina Colom Pellicer Final Grade Project. Faculty of Biosciences, Biology. June 2015.

### **Objectives**

The purpose of this study is to make a selection of foods that can improve fertility outcomes in women with polycystic ovary syndrome (PCOS). The target is to know syndrome endocrin alterations in order to make a list of beneficial foods knowing how they modulate the endocrin system by acting on genes, enzymes, molecules and hormones, thereby improving physical and psychological features, risks and the fertility of women who suffer

The PCOS is an endocrine disorder that affects between 5 and 10 % of women of reproductive age and is one of the most common endocrine-metabolic disorders. PCOS is characterized by the presence of hirsutism, multiple cysts in the ovaries and amenorrhea, negatively affecting fertility in women. Recent studies show that diet plays an important role in the development of the syndrome; supporting that nutrients interact with the genome and modulates the molecular mechanisms involved in physiological processes in the body. With knowledge of the relationship between genes and diet, it helps one to find an optimal diet in order to improve the menstrual cycle and endocrine profile of women who suffer from PCOS.

This study examines the influence of certain foods on the regulation of most characteristic PCOS hormones; it describes what food to eat, and avoid, in order to improve the endocrine profile of women suffering from the syndrome.



## **Bibliography**

\*Figure1. Adapted from: PCOS Journal. <a href="http://www.pcosjournal.com">http://www.pcosjournal.com</a>

Background image. Adapted from: Ehrmann DA. Polycystic Ovary Syndrome. N Engl J Med. 352, 1223-1236 (2005)

"Food images" and "Table of plant food classified by the hormonal changes they perform" from Marina Colom Pellicer.

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