

# SID



ابزارهای  
پژوهش



سرویس ترجمه  
تخصصی



کارگاه های  
آموزشی



بلاگ  
مرکز اطلاعات علمی



سامانه ویراستاری  
STES



فیلم های  
آموزشی

## کارگاه های آموزشی مرکز اطلاعات علمی



آموزش مهارت های کاربردی در تدوین و چاپ مقالات ISI

آموزش مهارت های کاربردی  
در تدوین و چاپ مقالات ISI



روش تحقیق کمی

روش تحقیق کمی



آموزش نرم افزار Word برای پژوهشگران

آموزش نرم افزار Word  
برای پژوهشگران



## Laboratory Challenges in Adrenal Gland Disorders (hyper- and hypocortisolism) O95 – O99

The adrenal glands are composed of two major distinct parts called cortex and the adrenal medulla. The adrenals are responsible for the synthesis and secretion of several hormones in the body. Cortisol is one of the most important hormones in the body which is secreted from the adrenal cortex in response to stress and / or reduced blood glucose under the stimulation of ACTH hormone. The increase or decrease in cortisol levels (hyper- and hypocortisolism) due to primary or secondary causes lead, to important diseases that if not diagnosed and treated early, serious complications and even death may occur.

Today, diagnosis and treatment monitoring of hyper- and hypocortisolism are entirely dependent on clinical laboratory and several tests are used for this purpose.

The measurement of total and free cortisol in blood, urine and saliva samples using advanced methods and instruments for quick and accurate diagnosis of the disease is of great importance. However, the standardization of these methods in Iran faces serious challenges and problems. In order to overcome the challenges, the cooperation of the health reference laboratory, clinical and laboratory scientific associations, kit manufacturing companies and equipment suppliers, is inevitable.

In this topic of the 9th International and 14th National Congress on Quality Improvement in Clinical Laboratories, it will be tried to discuss the challenging issues in different aspects of measuring cortisol and ACTH in clinical samples, particularly the issues in Iran such as patient education, quality assurance and availability of equipment and optimal and standard laboratory methods, recommended by international organizations.

*Prof. A. Esteghamati, MD*

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