Abstracts 12th YES Meeting

Internal Medicine Paralell Oral Session

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PS004

Why novel methods are not always the best? – Multifactorial analysis of hyperandrogenism in women

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Aim: The aim of the work was to compare different methods of hormones evaluation, including blood and saliva samples and the realiability of those methods in diagnosing hyperandrogenism among women caused by various reasons.

Introduction: Hyperandrogenism among women is a common problem. There are different hormones that can be evaluated with various methods to diagnose and monitor patients. Less invasive and quicker methods of screening, like salivary samples, more and more are used in medicine. However, they may be not as accurate as expected.

Methods: 39 women with clinical or biochemical hyperandrogenism and 29 healthy individuals in control group were enrolled. The diagnosis of hyperandrogenic syndrome covered: 13 patients with polycystic ovary syndrome (PCOS), 23 with idiopathic hyperandrogenism, 2 with congenital adrenal hyperplasia and 1 adrenal cortical carcinoma. Assessed hormones included: serum total androgenism, 2 with congenital adrenal hyperplasia and 1 adrenal with polycystic ovary syndrome (PCOS), 23 with idiopathic hyperandrogenism and 29 healthy individuals in control group were enrolled.

Results: 13 patients with PCOS, 2 patients with congenital adrenal hyperplasia and 1 patient with PCOS had normal serum total testosterone levels when hyperandrogenism was suspected. Androstendione measurement is not obligatory in diagnosis. This is the first study analyzing numerous hormones with various methods in patients with hyperandrogenism caused by different diseases.1–4

Conclusion: Salivary testosterone is not a sufficient method in diagnosing biochemical hyperandrogenism. Measurement of serum testosterone by LC-MS itself is not enough to diagnose biochemical hyperandrogenism. DHEA-S should also be evaluated when hyperandrogenism is suspected. Androstendione measurement is not obligatory in diagnosis. This is the first study analyzing numerous hormones with various methods in patients with hyperandrogenism caused by different diseases.1–4

References

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PS151

Comparison between effects of antibiotics, NSAIDs and their mixture on the growth of microorganisms

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Aim: To compare the effects of antibiotics, NSAIDs and their mixture on the growth of microorganisms.

Introduction: Commonly, when a patient has an infection, doctors prescribe NSAIDs for pain and inflammation that may be caused by infection as part of symptomatic treatment. And antibiotics are also prescribed as an etiological treatment. Our experiment that was performed last year came to a conclusion

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