

Serum prolactin level in psoriasis

Iran J Dermatol 2016; 19: 65

Dear Editor:

The recent report, "Serum prolactin level in psoriasis", is very interesting¹. Ghiasi *et al.* concluded that "it seems that while intracutaneous prolactin may contribute to the pathogenesis of psoriasis, the probable role of pituitary-produced circulating prolactin in the disease process needs further investigation¹." There are some concerns on this report. First, although Ghiasi *et al.* have studied serum prolactin, they based their conclusion on intracutaneous prolactin. The serum prolactin is not the same as intracutaneous prolactin. The serum prolactin can be affected by several physiological and pathological factors. In fertile females, variations of baseline serum prolactin can be expected². Indeed, for psoriasis, there are previous reports on prolactin with controversial results³⁻⁵. The difference in baseline pathophysiological conditions of psoriatic patients can be a good explanation for the different findings on prolactin levels in patients.

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Received: 20 December 2015

Accepted: 1 February 2016

Keywords: psoriasis, prolactin, dermatology

REFERENCES

1. Ghiasi M, Hallaji Z, Ali Narimani S. Serum prolactin level in psoriasis: Is it really higher than in healthy individuals? *Iran J Dermatol.* 2015;18:6–9.
2. Wisser H, Breuer H. Circadian changes of clinical chemical and endocrinological parameters. *J Clin Chem Clin Biochem.* 1981;19(6):323-37
3. Husakova M, Lippert J, Stolfa J, et al. Elevated serum prolactin levels as a marker of inflammatory arthritis in psoriasis vulgaris. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub.* 2015 Jul 10. doi: 10.5507/bp.2015.033. [Epub ahead of print]
4. Toossi P, Sadat Amini SH, Sadat Amini MS, et al. Assessment of serum levels of osteopontin, selenium and prolactin in patients with psoriasis compared with healthy controls, and their association with psoriasis severity. *Clin Exp Dermatol.* 2015;40(7):741-6.
5. Keen MA, Hassan I. Serum prolactin levels in psoriasis and its association with disease activity: a case-control study. *Indian J Dermatol.* 2014;59(6):562-6.