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## Another possible etiology in unexplained infertility?

**Rajiv Mahendru**

Government Medical College for Women Haryana, India

**Objective:** The aim of study was to find out an association between anti-TPO-Ab, TSH and infertility among female patients attending the Gynaecological OPD for the management of infertility. Many studies show a significant association between the presence of thyroid autoantibodies, infertility and recurrent pregnancy loss and this research study was conducted to corroborate this.

**Materials and Methods:** A cross-Sectional study was conducted for the period of six months from Jan. 2011 to June 2011 in the Department of Biochemistry in collaboration with the Department of Obstetrics and Gynaecology. Fifty infertile females of reproductive age group with either primary or secondary infertility were selected for the study and 50 age-matched non pregnant healthy females who had no problem of infertility were taken as controls. Serum anti-TPO Ab, TSH levels were evaluated by Enzyme linked Immunosorbent assay method.

**Result:** The results obtained from the study showed statistical significance between anti-TPO Ab and TSH levels, age and infertility in both the groups.

**Conclusion:** The parameters observed may be considered as a valuable aid in investigation and diagnosis of autoimmune thyroid disease in patients with unexplained infertility.

## Biography

Rajiv Mahendru possessed Post-Graduate Degree in Obstetrics and Gynaecology from Himachal Pradesh University at the age of 29 years and became one of the youngest Professor. Presently, Head of the Department in the only second women medical college of India. He has 32 Publications in reputed journal and is the recipient of a prestigious Award for excellence in Medical field. Appointed as the Chief-editor of the Special issue of an international journal of repute and has numerous presentations to his credit at international arena as an invited Guest Speaker. He is the member of Academic Board of many universities, member of recruitment for medical teachers, and assessor for establishing Medical colleges.

[dr.mahendru@gmail.com](mailto:dr.mahendru@gmail.com)