

## **P129. Factors influencing poor prognosis for azoospermic men before intracytoplasmic sperm injection.**

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**Objective:** To evaluate the factors predicting favorability of spermatogenesis level.

**Design:** Prospective cross sectional study.

**Setting:** University Hospital Fertility clinic.

**Patient(s):** 95 patients with azoospermia underwent testicular biopsy were categorized using Johnsen score. Johnsen score of equal or more than eight was categorized as favorable and less than eight was not favorable.

**Intervention(s):** None

**Main Outcome Measure(s):** Sociodemographic, serum hormonal profile (FSH, LH and testosterone level) and testicular characteristic.

**Result(s):** There were statistically significant association seen in patient with exposure to heat ( $p < 0.044$ ) and smoking habit ( $p < 0.045$ ), high FSH ( $p < 0.02$ ) and low Testosterone ( $p < 0.04$ ) level and small testicular volume right ( $p < 0.04$ ) and left ( $p < 0.04$ ) resulting in non favorable Johnsen score, thus reducing the chances of successful intracytoplasmic sperm injection.

**Conclusion(s):** Spermatogenesis in azoospermic men were affected by exposure to heat and smoking habit, high FSH and low testosterone level with small testicular size.

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