

## ***9<sup>th</sup> Yazd International Congress and Student Award on Reproductive Medicine with 4<sup>th</sup> Congress of Reproductive Genetics***

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### **Key Lectures**

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#### **K-79**

#### **New strategies for the diagnosis of male infertility: Current developments and prospects**

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Infertility is one of the common health issues around the world. Although Female factors are the main cause of infertility, male factor infertility involves approximately 30%- 35% of infertile couples. Genetic factors account for 15% of infertility male factors. By emerging the next

generation sequencing technology, the role of male genetic factors is becoming increasingly prominent. Various whole-exome sequencing approaches such as family-based whole-exome sequencing are powerful tools for accurately identifying the novel variants responsible for infertility. In this talk, we try to outline different strategies for studying the causes of male infertility and the latest findings in this area. Eventually, it seems that male monogenic factors play a much greater role in infertility problems than previously thought. Despite the remarkable advances in male infertility, due to the high prevalence of this disease, we expect to see many more discoveries in the near coming years.