

**Hyaluronic acid and sperm selection**

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Infertility as a condition that affects 15 to 20 percent of couples is introduced. Various factors are involved in causing the problem, such as genetic, environmental and unknown factors. Genetic factors affect the health of each spouse and the possibility of transferring them to the children there. So, checking and preventing the transmission of this problem in the future generations to achieve better results for patients with infertility is important. This study is a report of infertile couple with the problem of clinfilter. There was a complete genetic exam for the male because of defects in sperm production and after the results the couple were undergoing IVF procedure. The medical procedure was microinjection using hyaluronic acid coated dish and after embryo transferring there was a successful twin pregnancy. Health of the fetus were confirmed at 14 weeks by analyzing the amniotic fluid that indicate both of the male and female fetuses were genetically normal. According to the method used in the sperm selection, this method can reduce the risk of problems transmitted through sperm. However, due to the type of case reports more studies are needed to be done.