

# Is immunotherapy effective on the treatment of secretory azoospermia ?

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## Abstract

Aims of the study To assess the effectiveness of medicine and immunotherapy on secretory azoospermia. Methods used to conduct the study The husband with azoospermia was 63 years old and his 35-year-old wife presented secondary infertility for 5 years. The male had operation and chemotherapy of stomach cancer five years ago. After operation and chemotherapy, the male made the treatment on immunotherapy until today. In this treatment, andriol and aescufen forte was given. The total treatment were fourteen months. Semen, blood hormone and pregnancy were detected. Results of the study Six months after treatment, sperm appeared in the semen(2018-12-13:sperm concentration  $3 \times 10^6/\text{ml}$ , PR 0%), ICSI was made while ET was failure. 1 year later, the semen was changed greatly (2019-01-29:sperm concentration  $43 \times 10^6/\text{ml}$ , PR 15%, acrosin  $43.1 \mu\text{IU}/106$ ), second ICSI was made and TET was failed. In May, 2020, third cycle ICSI was made, frozen embryo was transplanted in December and in March the wife was conceived for more than four months. Conclusions We have discussed and published the medicine treatment of azoospermia in 2017 while it is the first time to find the relationship between the spermatogenesis and immunotherapy. From this case, it could be concluded that Aescufen Forte with Testosterone Undecanoate is good for the patient with testicle dysfunction while the time of medicine treatment is better for more than six months. Immunotherapy might be good for spermatogenesis. FSH is a good for ample in the treatment on azoospermia.

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