

Supplemental Information

Table 1. The main sperm characteristics of the case-patient, Saratov city, 2012.

Sperm indicator	Case-patient	WHO reference limit [1]
Concentration of spermatozoa progressive	20%	>32%
non-progressive	27%	
immotile	53%	>50%
vitality	35%	>58%
Total volume	3 ml	≥ 1,5 ml
pH	7.8	≥7,2
Sperm concentration, spermatozoa per ml	12×10^6	15×10^6