

Table 2. Intelligent Miner for Data Mining results: The four-clustering model.

	Prediction from Data Mining				
	Group 1	Group 2	Group 3	Group 4	Total
Parameters studied*					
Mean testicular volume (ml)	22.0 (6.0-25.0)	6.5 (0.0-12.0)	14.5 (7.0-23.0)	7.0 (1.0-25.0)	
FSH (IU/l)	8.1 (0.3-60.6)	26.4 (1.7-80.0)	18.6 (3.4-42.0)	6.3 (0.4-31.0)	
LH (IU/l)	1.5 (0.0-4.0)	15.3 (5.0-32.0)	12.0 (0.7-65.0)	7.2 (0.1-44.5)	
Testosterone (nmol/l)	17.0 (2.0-30.8)	13.6 (1.0-31.0)	19.2 (5.5-31.9)	4.6 (0.2-19.1)	
Sperm volume (ml)	2.8 (0.2-7.0)	3.3 (0.4-5.0)	3.9 (1.8-6.5)	2.1 (1.0-3.5)	
Clinical classification**					
Obstructive azoospermia	59	0	4	0	63
Non-obstructive azoospermia	26	29	16	0	71
Hypergonadotropic hypogonadism	0	0	0	2	2
Hypogonadotropic hypogonadism	1	0	0	10	11
Total	86	29	20	12	147

* Data are given as median (range). To convert serum testosterone levels from nmol/l to ng/ml multiply by 0.228.

** Absolute number of patients allocated to each “clinical classification” or “four-clustering model” group.