

**Supplementary Table 2.** Semen parameters and oxidation-reduction potential (ORP) changes in all patients (n=28) who had repeated tests done over a period of 16.8±7.7 weeks

Variable	1st sample	2nd sample	p-value
Concentration (10 <sup>6</sup> sperm/mL)	7.2 (2.93–20.73)	10.55 (5.22–33.3)	0.019
Total motility (%)	32 (17.5–47.5)	42.5 (29.25–53.75)	0.008
Morphology (normal form %)	2 (1–5.5)	2 (1.25–4.75)	0.57
ORP (mV/10 <sup>6</sup> sperm/mL)	6.08 (2.63–15.92)	2.06 (0.7–9.16)	0.007
Patients treated with doxycycline (n=9)			
Endtz (M/mL)	0.8 (0.4–2.3)	0 (0–0.4)	0.024
ORP (mV/10 <sup>6</sup> sperm/mL)	0.77 (0.49–1.05)	0.62 (0.49–0.74)	0.086

Values are presented as median (interquartile range).

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