**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

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

Values are presented as median (interquartile range).
Adapted from Agarwal et al. Urology 2017;104:84-9 [55], permission of Elsevier.