

Supplementary Table 2. Descriptive statistics of apoptotic and oxidative stress parameters

| Apoptotic/oxidative stress parameter | Fertile men | Professional drivers | Infertile men with varicocele | Infertile men not exposed to genital heat stress |
|--------------------------------------|--|--|--|--|
| M540-negative (%) | 76.50 (60.09–95.59) 77.24 ± 10.46 n=29 | 68.57 (16.71–95.34) 66.27 ± 16.62 n=29 | 61.96 (23.31–97.27) 60.66 ± 15.40 n=64 | 63.59 (22.41–91.55) 61.76 ± 19.06 n=25 |
| Annexin V-positive / PI-negative (%) | 10.72 (0.69–21.09) 9.90 ± 4.78 n=27 | 10.78 (3.16–31.18) 13.26 ± 8.43 n=27 | 11.30 (1.16–50.86) 14.17 ± 10.36 n=60 | 9.14 (0.54–39.06) 11.37 ± 9.33 n=23 |
| JC-1-positive (%) | 72.00 (54.00–92.00) 71.88 ± 10.30 n=26 | 60.50 (29.00–91.00) 59.78 ± 16.86 n=32 | 61.50 (17.00–90.00) 57.98 ± 18.94 n=62 | 53.00 (3.00–84.00) 49.65 ± 22.23 n=23 |
| MitoSOX Red-positive (%) | 15.69 (5.26–37.91) 17.35 ± 8.65 n=29 | 25.18 (7.53–44.30) 24.62 ± 8.92 n=28 | 26.45 (8.22–57.59) 27.33 ± 11.67 n=63 | 16.81 (2.40–54.95) 18.64 ± 11.03 n=24 |
| TUNEL-positive (%) | 6.40 (0.68–25.27) 8.96 ± 6.21 n=27 | 15.03 (2.36–58.13) 15.85 ± 9.82 n=42 | 15.01 (5.16–38.52) 16.47 ± 8.77 n=64 | 13.76 (1.45–46.96) 19.10 ± 12.78 n=28 |

Value are median, Min-Max, mean ± SD

M540 – merocyanine 540; PI – propidium iodide; n – number of participants for each variable