**Supplementary Table S2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameters | Auto-recovery | *M. pruriens*  (200 mg/kg/day) | *M. pruriens*  (300 mg/kg/day) | *M. pruriens*  (400 mg/kg/day) |
| Sperm count | 171.83±6.91 | 194.5±6.41\*\*\* | 216.6±10.19\*\*\* | 187.5±4.23\*\* |
| Sperm motility | 47.8±4.36 | 53.5±4.89 | 66.63±4.22\*\*\* | 55.0±3.79\* |
| Prog. motility | 15.5±1.76 | 18.33±1.75\* | 22.17±2.29\*\* | 18.67±2.58\* |

The values (mean + SD) are average of data for 6 animals. Statistical significance is indicated as \* P < 0.05, \*\* P < 0.005, \*\*\* P < 0.0005.

**Foot note**: Based on earlier studies demonstrating effects of *M. pruriens* on sperm parameters (Suresh et al, 2010), we tried 200 mg/kg, 300 mg/kg and 400 mg/kg BW/day for treatment of spermatogenic loss and compared it with auto-recovery (no treatment) group after a period of 56 days. The best response was seen using 300 mg/kg, which was selected as experimental dose.

**Reference**

Suresh S, Prithiviraj E, Prakash S (2010) Effect of *Mucuna pruriens* on oxidative stress mediated damage in aged rat sperm. Int J Androl 33: 22-32.