Corrigendum

Corrigendum to “*In Vitro* Antioxidant Treatment of Semen Samples in Assisted Reproductive Technology: Effects of Myo-Inositol on Nemaspermic Parameters”

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In the article titled “*In Vitro* Antioxidant Treatment of Semen Samples in Assisted Reproductive Technology: Effects of Myo-Inositol on Nemaspermic Parameters” [1], there were inaccuracies regarding the information on the total sperm motility after capacitation. Semen samples in section “Myo-Ins Exposure and Sperm Analyses” were either untreated or treated with Myo-Inositol before or after capacitation.

In the “Results” section, the statement “A slight but significant increase was observed in the total sperm motility of fresh samples after post-capacitation (from $73.99 \pm 28.94\%$ to $70.87 \pm 31.46\%$, $p \leq 0.05$), whereas a minor but not significant reduction in the sperm progressive motility post-capacitation was observed after Myo-Ins treatment (from $70.67 \pm 26.72\%$ to $69.97 \pm 27.27\%$) (Figure 1)” should be corrected to “A slight but not significant decrease was observed both in the total sperm motility (from 73.99 ± 28.94 to 70.87 ± 31.46) and progressive sperm motility (from 70.67 ± 26.72 to 69.97 ± 27.27) of treated samples versus fresh untreated samples, after capacitation (Figure 1).”

In addition, there was an error in Figure 1, where the asterisk indicating significance post-capacitation for TOT/+Myo-Ins should have been removed. Moreover, there was an error in the legend of Figure 2. The corrected figures and their legends are as follows:

FIGURE 1: Sperm motility. Values are shown as mean $\pm$ SD. Statistical difference between pre- and post-Myo-Ins treatment: * $p \leq 0.05$; *** $p \leq 0.0001$.

FIGURE 2: Difference of progressive motility in fresh samples. Values are shown as mean+SD. A: untreated sample versus sample treated with Myo-Ins (before capacitation). B: untreated sample versus sample treated with Myo-Ins prior to capacitation (post-capacitation). C: untreated sample versus sample treated with Myo-Ins after capacitation (post-capacitation).

References

- [1] M. Palmieri, P. Papale, A. Della Ragione, G. Quaranta, G. Russo, and S. Russo, "In vitro antioxidant treatment of semen samples in assisted reproductive technology: effects of myo-inositol on nemaspermic parameters," *International Journal of Endocrinology*, vol. 2016, Article ID 2839041, 5 pages, 2016.