

Table 3. Correlation of von Willebrand factor follicular fluid concentration and embryo quality.

	NO	EMBRYO QUALITY	MEAN VWF	STD. DEVIATION	SEM
	95	3+	20.27	15.81	1.62
	18	3	15.48	7.89	1.86
	38	2+	28.93	16.26	2.63
	3	2	20.93	4.47	2.58
No Fertilization	48		37.96	31.18	4.45
Total embryos cleaved	154		25.75	21.52	1.51

One-way analysis of variance (ANOVA, F-test) suggested a correlation of von Willebrand Factor (vWF) follicular fluid concentration and embryo quality (p-value = 0.002). In fact, low levels of vWF were correlated with better embryo quality. Post-hoc analysis in pairs revealed statistical significant difference in mean vWF concentration between embryo quality 3+ and 2 (p-value = 0.004) and embryo quality 3 and 2 (p-value = 0.015). Having excluded cases of the oocytes not having been fertilized (48 cases) and cases of oocytes not having cleaved (2 cases), post-hoc analysis in pairs revealed statistical significant difference in mean vWF concentration between embryo quality 3+ and 2+ (p-value = 0.034) and embryo quality 3 and 2+ (p-value = 0.025).