**Supplementary Fig. 1.** Meta-regression model of blood loss in the laparoscopy group.

1. **Meta-regression model**

Blood loss in the laparoscopy group

Covariate(s): Gravidity

\[ R^2 \text{ for Model 1, Random effects (MM), Z-Distribution, Mean} \]

\[
\begin{align*}
\text{Total variance in true effects (a)} & = 31195.6514 \\
\text{Not explained by model (b)} & = 17479.3091 \\
\text{Explained by model (c)} & = 13716.2623 \\
\text{Explained (c)} & = \frac{13716.2623}{31195.6514} = 0.44
\end{align*}
\]

(a) To compute the total variance (of all studies about the grand mean) we run the regression with no covariates.
(b) To compute the variance not explained by the model (of all studies about the regression line) we run the regression with the covariates.
(c) The difference between these values gives us the variance explained by the model.

Scatter plot

**Regression of Mean on gravidity**

![Scatter plot of regression](image)