Supplementary Fig. 5. Meta-regression model of hospital stay in the laparoscopy group.

3. Meta-regression model
Hospital stay in the laparoscopy group
Covariate(s): Gravidity & year

\[ R^2 = \frac{\text{Explained by model (c)}}{\text{Total (a)}} = \frac{3.5557}{3.7237} = 0.95 \]

(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
Year
Regression of Mean on Year

Gravida
Regression of Mean on gravidity