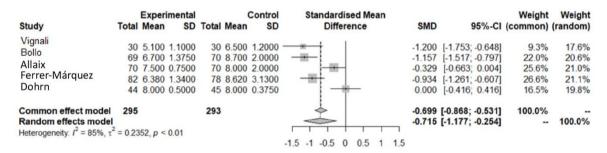
## A. Operation time (ml) after removing three studies such as Allaix et al., Ferrer-Márquez et al., and Małczak et al.'s study

			rimental			Control	Standardised Mean			Weight	Weight
Stu dy	Total	Mean	SD	Total	Mean	SD	Difference	SMD	95% -CI	(common)	(random)
Vignali	30	158.000	30.8000	30	135.000	27.0000	<del></del>	0.784	[0.257; 1.310]	21.3%	27.9%
Bollo	69	149.000	30.0000	70	123.000	45.0000	<del> :</del>	0.675	[0.333; 1.017]	50.5%	40.1%
Dohrn	44	158.000	10.2500	45	146.000	8.0000	<u> </u>	1.296	[0.837; 1.755]	28.1%	32.0%
Common effect model	143			145			-	0.873	[0.630; 1.116]	100.0%	
Random effects model			121					0.904	[0.520; 1.287]	_	100.0%
Heterogeneity: $I^2 = 57\%$ , $\tau^2$	= 0.0650, p = 0.10		10				45 4 05 0 05 4 45				
							-1.5 -1 -0.5 0 0.5 1 1.5				

## B. Intraoperative blood loss (ml) after removing Dohrn et al.'s study

	Experimental				C	Control	Stand	Standardised Mean					Weight	Weight
Study	Total	Mean	SD	Total	Mean	SD	D	ifferenc	е	SMD	9	5% -CI	(common)	(random)
Vignali Allaix			74.4000 33.3000			73.5000 48.1500			_		[-0.588; [-0.452;			26.1% 39.9%
Ferrer-Márquez			84.4000			37.0400	-				[-1.002; -			34.0%
Common effect model R andom effects model Heterogeneity: $I^2 = 51\%$ ,		38. p = 0	).13	150				> =			[-0.499; - [-0.608;			100.0%
						-	1 -0.5	0	0.5	1				

## C. Length of incision (cm) after removing Ferrer-Márquez et al.'s study



**Supplementary Fig. 2.** Sensitivity analysis. Sensitivity analysis was conducted by reducing one by one because of heterogeneity in the operation time, intraoperative blood loss and length of incision. (A) Operation time (min): after removing 3 studies such as the studies of Allaix et al. [13], Ferrer-Márquez et al. [15], and Małczak et al. [17] (SMD, 0.873 [95% Cl, 0.630–1.116]; P < 0.001). (B) Intraoperative blood loss (mL) after reducing Dohrn et al.'s [16] study groups (SMD, -0.271 [95% Cl, -0.499 to -0.044]; P = 0.019). (C) Length of incision (cm) after removing Małczak et al. [17]'s study (SMD, -0.715 [95% Cl, -1.177 to -0.254]; P = 0.002). SD, standard deviation; SMD, standardized mean difference; Cl, confidence interval.