

Effects of matrix stiffness on epithelial to mesenchymal transition-like processes of endometrial epithelial cells: Implications for the pathogenesis of endometriosis

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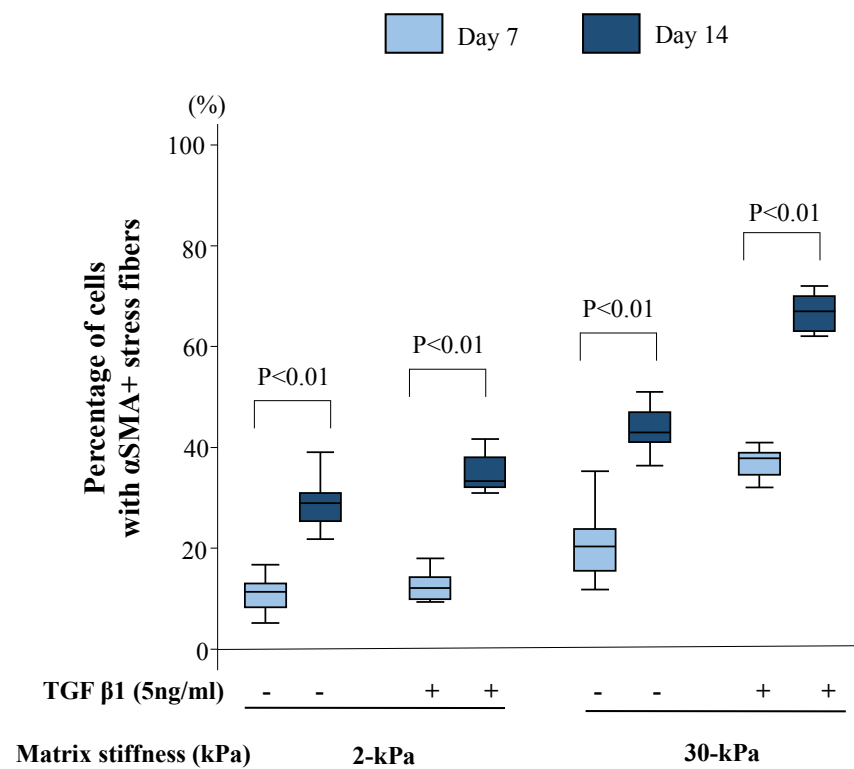
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Supplementary Figure 1



Supplementary Figure Legends

Supplementary Figure 1: The percentage of cells with α SMA+ stress fibers with or without TGF- β 1 (5 ng/mL) stimulation in endometrial stromal cells of patients with endometriosis (EES) grown on 2- or 30-kPa PGS for 7 days or 14 days with or without TGF- β 1 (5 ng/mL) stimulation.

Supplementary Table 1. Clinical characteristics of patients

	With Endometriosis	Without endometriosis
No of cases	40	5
Age ^a	31.0 (23-37)	30.0 (24-35)
Parity ^a	0 (0-1)	0 (0-1)
rASRM stage ^b		
I	18	
II	12	
III	4	
IV	6	

^a Median (range)

^b Revised American Society for Reproductive Medicine classification (rASRM) (American Society for Reproductive Medicine, 1997).

Supplementary Table 2: The numbers of samples used for each experiment

	EEE	NEEE	DEE	EES	DIE	R-PE
CK & E-cadherin	10	5	5			
CK & N-cadherin	6					
CK & ZO-1	6					
CK & F-actin	6					
E-cadherin & p-Smad 2/3					5	5
CK & Ki67	8					
Annexin V staining	8					
α SMA & Col-I				8		

EEE: endometrial epithelial cells of patients with endometriosis

NEEE: endometrial epithelial cells of patients without endometriosis

DEE: deep infiltrating endometriotic epithelial cells

EES: endometrial stromal cells of patients with endometriosis

DIE: deep infiltrating endometriotic tissues

R-PE: red peritoneal endometriotic tissues

CK: cytokeratin

ZO-1: zonula occludens 1

p-Smad 2/3: phosphorylated Smad 2/3

α SMA: α -smooth muscle actin

Col-I: collagen I