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5 Figure legends
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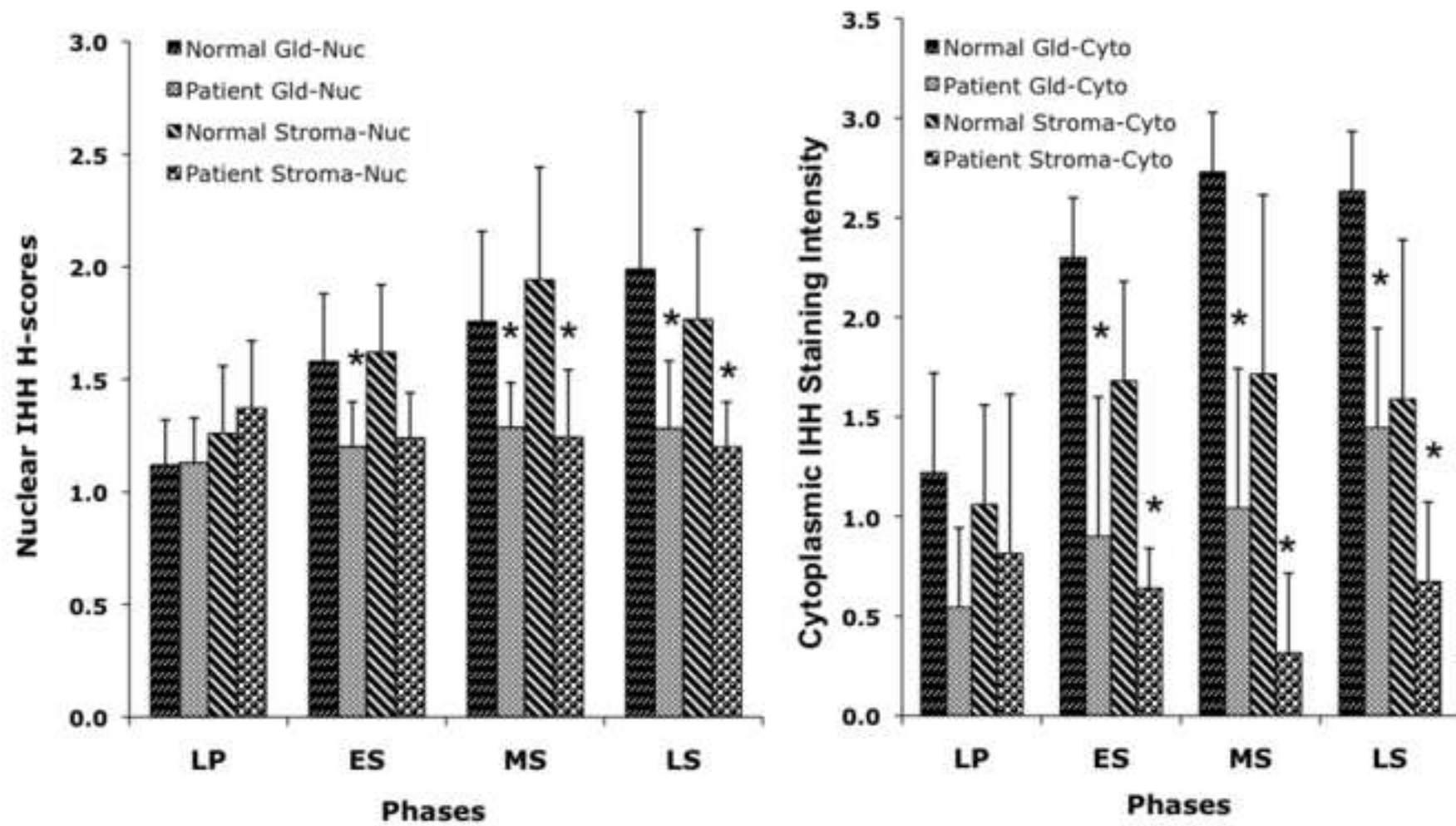
10 Figure 1. A. Expression of IHH in endometrium of women with endometriosis (patient) or healthy
11 volunteers (normal) in the nuclei (Nuc) of the glandular (Gld) or stromal (Stroma) compartments.
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13 Except for the early secretory phase stroma, all secretory phase patient values were
14 significantly different from the corresponding menstrual phase and tissue result in healthy
15 volunteers. LP = late proliferative, ES = early secretory, MS = mid-secretory, LS = late secretory
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19 B. Expression of IHH in endometrium of women with endometriosis (patient) or healthy
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22 volunteers (normal) in the cytoplasm (Cyto) of the glandular (Gld) or stromal (Stroma)
23 compartments. All secretory phase patient values were significantly different from the
24 corresponding menstrual phase and tissue result in healthy volunteers. ES = early secretory,
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30 MS = mid-secretory, LS = late secretory.
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32 Figure 1, Supplemental Data. Representative results of Indian Hedgehog staining by
33 immunohistochemistry in endometrium of healthy volunteers (N) or women with endometriosis
34 (P) in the late proliferative (LP), early secretory (ES), mid-secretory (MS) or late secretory (LS)
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39 phase of the menstrual cycle. Brown staining indicates a positive result.
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Supplemental Table. Distribution of r-AFS scores in women with endometriosis according to histologic dating of the endometrium.

	I (n)	II (n)	III (n)	IV (n)
Late proliferative	2	2	2	1
Early secretory	1	4	0	0
Mid-secretory	3	2	1	1
Late secretory	3	3	1	4
Total	9	11	4	6

Table 1. Indian hedgehog expression in endometrium of healthy control women (N) and patients with endometriosis (P). Nuclear (nuc) and cytoplasmic (cyto) staining were assessed in the glands and stroma. LP = late proliferative, ES = early secretory, MS = mid-secretory, LS = late secretory, n = number per group

Cycle phase	n	H-score (mean \pm SD)				Staining Intensity (mean \pm SD)			
		Gland-nuc ^a	P <0.05 ^e	Stroma-nuc ^b	P <0.05 ^e	Gland-cyto ^c	P <0.05 ^e	Stroma-cyto ^d	P <0.05 ^e
NLP	5	1.1 \pm 0.2	0.0009	1.3 \pm 0.3		1.2 \pm 0.5	< 0.001	1.1 \pm 0.5	
NES	5	1.6 \pm 0.3		1.6 \pm 0.3		2.3 \pm 0.3		1.7 \pm 0.5	
NMS	7	1.8 \pm 0.4		1.9 \pm 0.5		2.7 \pm 0.3		1.7 \pm 0.9	
NLS	9	2.0 \pm 0.7		1.8 \pm 0.4		2.6 \pm 0.3		1.6 \pm 0.8	
PLP	7	1.1 \pm 0.2	0.0002	1.4 \pm 0.3		0.5 \pm 0.4	< 0.001	0.8 \pm 0.8	
PES	5	1.2 \pm 0.2*	0.0029	1.2 \pm 0.2	0.0366	0.9 \pm 0.7*	< 0.001	0.6 \pm 0.2*	0.0467
PMS	8	1.3 \pm 0.2*	0.0033	1.2 \pm 0.3*	0.0172	1 \pm 0.7*	< 0.001	0.3 \pm 0.4*	0.0010
PLS	11	1.3 \pm 0.3*	0.0008	1.2 \pm 0.2*	0.0025	1.4 \pm 0.5*	< 0.001	0.7 \pm 0.4*	0.0110

P value for Wilcoxon test among all above phases for each tissue compartment ^a 0.0007, ^b

0.0018, ^c <0.0001, ^d 0.0022

^e Indicates p values < 0.05 by Dunnett's method using the NLS as a control group

* Asterisks indicate significantly different expression in women with endometriosis compared to control women in the same phase of the cycle.

