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Harvey J. Kliman, M.D., Ph.D.

5/5/2001

Via Fax: 555-555-1212 and First Class Mail

John Smith, M.D.
Suite 4444
General Fertility Center
111 Somewhere Road
Anywhere, US 11111

Re: Jane Doe, Bx#: K01-001

Dear Dr. Smith,

We have completed our Endometrial Function Test (EFT) analysis of your patient's natural cycle biopsy that we received on **4/24/2001**. Please find below the EFT results of our studies:

Stated Clinical Date: **26** Cycle day by LH surge (d13): **25** Cycle day by P (P start = d14):

Histologic Dating

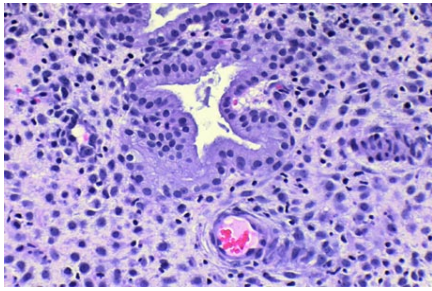
Overall Date: **25**
Gland Date: **18**
% Glands at Date: **10**
Dating comments:

Patient's BMI: 21.3

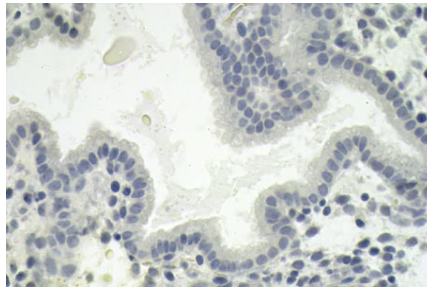
Endometrial Function Test (EFT) Panel

1° Antibody	Result	% Glands MAG Positive	Gland Cytoplasm	Gland Nuclei	Comment
A	pos				
B	neg				
O	neg				
PR	neg		0	0	Within normal limits for histologic dating.
C30	neg	2			Within normal limits for histologic dating.
CycE	neg		0	5	Normal for histologic dating.
p27	pos		0	60	Normal for histologic dating.

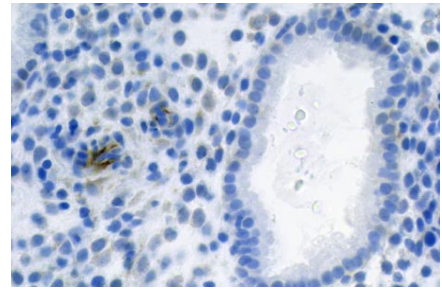
Control and Patient Photomicrographs



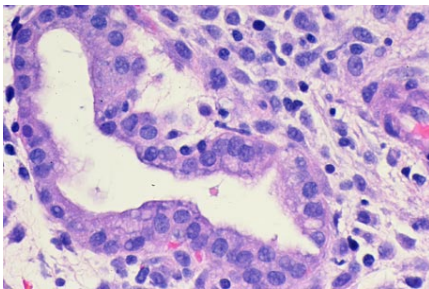
HE Control



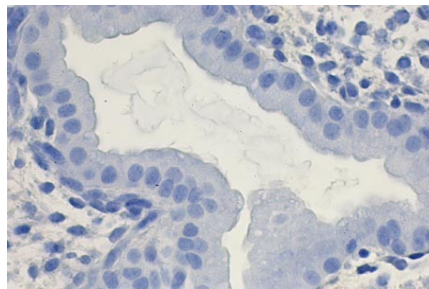
MAG Control



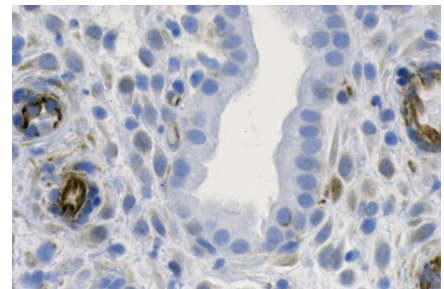
Cyclin E Control



Patient's HE



Patient's MAG or Other Image



Patient's Cyclin E

The top row of images are cycle day specific controls for standard HE staining (left), MAG reactivity (center) and cyclin E (right). The bottom row of images are from our studies of your patient. Representative areas have been chosen and may not reflect all aspects of our findings. Please note that patients who are not blood group A or AB will not have a MAG image in the above results. If warranted, other images—which will be described below—may be found in the middle bottom row. Please refer to the table on the first page, as well as the narrative comments below, for our interpretation of these results.

Interpretation

Histologically this biopsy precisely matches cycle day as determined by LH surge. There is a minimal degree of glandular-stromal dyssynchrony which is below our upper limit of normal for this cycle day. PR, MAG, cyclin E and p27 are all within normal limits for this cycle day. There is no first biopsy from this cycle to correlate these findings with.

It is of interest that the previous two biopsies from this patient's mock cycle showed significant glandular developmental arrest (GDA). The results of the current biopsy suggest that the medications given to create the mock cycle caused this patient's endometrium to become abnormal. The fact that her natural cycle is normal suggests that a protocol should be able to be found that reproduces her normal cycle and yields a receptive endometrium.

Thank you for allowing us to examine this endometrial biopsy and add these results to our growing research database. Please feel free to contact me if you have any questions or comments related to the above results.

Sincerely,

Harvey Kliman, M.D., Ph.D.