## I FITER TO THE EDITOR :

## LIPID CONTENT OF HUMAN FALLOPIAN TUBE†

Sir.

Very little information is available on lipid constituents in human Fallopian tube. Histochemical investigations (1) reveal that lipids are more conspicuous at the time of ovulation or shortly thereafter, but are depleted at menopause. The present report describes the total lipid and the phospholipid content of human Fallopian tube under different physiological conditions viz., (i) normally menstruating, (ii) Amenorrheic (lactational), and (iii) 24 hour post-partum. The tissues of the cyclic women were grouped separately for proliferative (8-12 days) and secretary (16-20 days) phases of the menstrual cycle.

Pieces of Fallopian tubes were collected from women in reproductive age group (25-40 years) who underwent tubectomy in a local family planning clinic. Total lipids and phospholipids were estimated as described in a previous communication (3).

The results presented in Table I show the total lipid and phospholipid levels of human Fallopian tubes. No significant differences were found between the proliferative and secretory phases. This was also true fo! the values obtained in the Fallopian tube of post-partum and amenorrheic (lactational) cases. It may be pointed out that the

TABLE I: Total lipid and phospholipid content of Human Fallopian Tube.

Constituents	Cyclic		Post-partum	Amenorrheic
	Proliferative	Secretory		(lactational)
Total lipids	26.38	25.32	23.32	24.71
( <i>mg</i> /100 <i>mg</i> (dry wt.)	(16.54-40.17) 4		(18.30-33.22) 6	(19.38-37.26) 5
Phospholipids	22.32	21.32	18.16	17.90
( <i>mg</i> /100 <i>mg</i> drv wt.)	(17.91-30.02)	4 (16.45-22.37) 6	(13.73-24.59) 6	(12.60-22.16) 5

<sup>\*</sup>Mean with range in parenthesis followed by the number of samples (underlined) analysed.

<sup>+</sup>Communication No. 2340.

total lipid and phospholipid values in the human Fallopian tube are considerably higher as compared to the Follopian tube of rhesus monkey (2,3).

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