

PLASMA OESTROGEN LEVELS IN SRI LANKAN WOMEN

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Plasma Oestrogen levels estimated by Radioimmunoassay are reported for the first time in Sri Lanka. The assay uses an antiserum to Oestradiol/Oestronc; and ^3H and ^{14}C Oestradiol as tracer. The technique will be described in brief. The sensitivity of the assay is 10 pg, enabling the assay to be done with 1 ml. of plasma in normal subjects.

Total plasma Oestrogens has been estimated in 50 normal subjects in the follicular and the luteal phases of the normal menstrual cycle. The average total Oestrogen levels were found to be 65 ± 10 pg/ml. in the follicular phase, and 80 ± 10 pg/ml. in the luteal phase.

The assay has been used for clinical diagnosis in cases of primary and secondary amenorrhoea, hypopituitarism and in simple hirtutism in females. These results will be presented and the clinical value of the assay will be discussed.