

to 317.6 ± 162.2 pmol/L in the luteal phase. Either free serum progesterone (2.125%) or ratio of saliva to serum progesterone (range 0.5-2.9%) remained significantly unchanged throughout the menstrual cycle. Diurnal variation of salivary progesterone in five women has not been significantly observed neither in the follicular nor in the luteal phase. Progesterone profiles in three matched samples of saliva and serum related well to each other and to the progesterone peak observed approximately 7 day after luteinizing hormone ovulatory surge. Determination of daily salivary progesterone concentrations throughout the cycle in two patients provide a valuable means of assessing ovarian function.

Salivary progesterone reflects the unbound biologically active fraction of progesterone in blood and this non-invasive technique can be used for serial investigations involving evaluation of the endocrine functions.