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28 GEOGRAPHE WAY
THORNLIE WA 6108

JIAXIN LIM
31-May-2004

Female

5A CHESSON PLACE
RIVERTON WA 6148

LAB ID : 4001129
UR NO. : 6284449
Collection Date : 01-Jul-2024
Received Date: 04-Jul-2024



4001129

ENDOCRINOLOGY SALIVA

SALIVA	Result	Range	Units	
Progesterone (P4)	494.1	276.0 - 1725.0	pmol/L	
Testosterone.	82.7	60.0 - 191.0	pmol/L	
Salivary Estrogens				
Estradiol (E2)	8.8	3.7 - 18.0	pmol/L	
Estrone (E1)	26.7	9.5 - 71.0	pmol/L	
Estriol (E3)	40.1	7.7 - 49.0	pmol/L	
E3/[E2+E1]	1.13	> 1.00	RATIO	
P4/E2 Ratio (Saliva)	56.0	4.0 - 108.0	RATIO	

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Saliva Hormone Comments

** PLEASE NOTE NEW REFERENCE RANGES AS OF 20.08.2021 **

TABLE 1: SALIVARY HORMONE REFERENCE RANGES: (NOT ON HRT - BASELINE)

FEMALE	Progesterone	DHEAS	E2	E1	E3
Pre/menarcheal	90-390		3.1-13	9.5-71	7.7-49
Follicular	90-480		3.1-17	9.5-71	7.7-49
Mid-Cycle	85-590		5.0-22	9.5-71	7.7-49
Luteal	276-1725		3.7-18	9.5-71	7.7-49
Post Menop.	80-820	1.8-18.5	3.7-16	9.0-65	9.0-62
Premenopausal, No OC's		2.5-27.0			
Premenopausal, with OC's		2.0-8.0			
MALE	<230	5.0-32.0	2.7-11	7.7-50	6.6-38

TABLE 2: TARGET REFERENCE RANGES: (ON HRT - 24 to 48 hr post last dose)

	Progesterone	Testosterone	E2	E1	E3
Oral	320-1998		7-73		69-139
Patch	-		4-18	-	-
Cream/Gel	3180-15000	F: 277-867 M: 347-1734	37-184	-	1040-1734

SALIVA ESTRONE (E1) is produced primarily from androstenedione originating from the gonads or the adrenal cortex. In premenopausal women, more than 50% of the E1 is secreted by the ovaries. In prepubertal children, men and non-supplemented postmenopausal women, the major portion of E1 is derived from peripheral tissue conversion of androstenedione. Interconversion of E1 and E2 also occurs in peripheral tissue. Bioassay data indicate that the estrogenic action is much less than E2. E1 is a primary estrogenic component of several pharmaceutical preparations, including those containing conjugated and esterified estrogens. In premenopausal women E1 levels generally parallel those of E2. After menopause E1 levels increase, possibly due to increased conversion of androstenedione to E1.

SALIVA E1 is within range.

SALIVA E2 levels for a non-menopausal female should be assessed relative to the day of cycle that the specimen was collected.

SALIVA E2 level is adequate and within range.

Saliva E3 level is within range and adequate.



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The Estrogen Quotient is within range. Suggestive of a normal estrogen metabolism.

SALIVA The Progesterone level is within range and suggestive of luteal phase. Aim for a ratio of E2:Prog of 1:200 (200 parts Progesterone to 1 part Estradiol) during this phase of cycle.

LOW NORMAL TESTOSTERONE LEVEL:

Saliva Free testosterone level is low normal and suggestive of the need for supplementation with 0.5% transdermal testosterone.

Tests ordered: 5Horm