

Referrer **Dr Stephen Webb**

Address **ATHERTON CLINIC 2 WYLIE ST  
ATHERTON QLD 4883**

Phone **0740912300**

Your ref. **16558**

Address **5 MOFFAT DRIVE  
TOLGA QLD 4882**

Phone **40955689 0400051434**

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## Gonadal Hormones

FSH	35	IU/L
LH	23	IU/L
Oestradiol	72	pmol/L
Progesterone	<0.5	nmol/L

Reference Limits	FSH IU/L	LH IU/L	Oestradiol pmol/L	Progesterone nmol/L
Follicular	2 - 10	2 - 7	110 - 180	<0.5 - 2.5
Mid-Cycle	7 - 24	9 - 74	550 - 1650	2.5 - 12.0
Luteal	1 - 10	1 - 9	180 - 840	12.0 - 90.0
Menopausal	20 - 140	10 - 65	<200	<2.2
O/C	<5	<9	<80	<1.5

## Comments

The combination of amenorrhoea in a women who is not pregnant and has an intact uterus with hot flushes is indicative of the menopausal state. FSH levels greater than 20 IU/L on at least 3 occasions 4 weeks apart confirms the diagnosis. Elevated FSH levels due to mid-cycle peak can be distinguished by measuring LH and oestradiol levels in conjunction with the FSH.

Falsely elevated Abbott oestradiol levels may be seen in patients on fulvestrant (FASLODEX) or mifepristone (MIFEGYNE, MIFEPRE) therapies. This elevation can be observed in patients treated with mifepristone for up to two weeks post treatment.

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