PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

【 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mrs. NEHA				
AGE/ GENDER	: 22 YRS/FEMALE	PA	TIENT ID	: 1720694	
COLLECTED BY	:	RF	EG. NO./LAB NO.	: 122501100002	
REFERRED BY	:	RE	GISTRATION DATE	: 10/Jan/2025 09:57 AM	
BARCODE NO.	: 12506470	CO	LLECTION DATE	: 10/Jan/2025 10:01AM	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE IN	STITUTE RE	PORTING DATE	: 10/Jan/2025 12:47PM	
CLIENT ADDRESS			ANA		
Test Name		Value	Unit	Biological Reference interval	
		НАЕМАТ	OLOCY		
		HAEMOGLO			
HAEMOGLOBIN (H	(B)	10.9 ^L	gm/dL	12.0 - 16.0	
by CALORIMETRIC INTERPRETATION:-					
	otein molecule in red blood cell	s that carries oxygen	from the lungs to the bo	odys tissues and returns carbon dioxide from t	
tissues back to the lu	ings.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
A low hemoglobin lev	vel is referred to as ANEMIA or l	ow red blood count.			
 LOSS OF DIOOD (Trat Nutritional deficie 	umatic injury, surgery, bleeding ncy (iron, vitamin B12, folate)	colon cancer or stor	nach ulcer)		
2) Nutritional dencie 3) Rono marrow prob	plems (replacement of bone mar	row by cancor)			
4) Suppression by red	d blood cell synthesis by chemo	therapy drugs			
5) Kidney failure		thorup y drugo			
6) Abnormal hemogl	obin structure (sickle cell anem	ia or thalassemia).			
	REASED HAEMOGLOBIN):				
	ltitudes (Physiological)				
2) Smoking (Seconda	ry Polycythemia)	due to increased have	maganeentration		
 Jenyaration produced Advanced lung disc 	uces a falsely rise in hemoglobir ease (for example, emphysema)	i due to increased hae	emoconcentration		
5) Certain tumors	ease (for example, emprissenta)				
	oone marrow known as polycyth	emia rubra vera			
			ourposes (increasing the	e amount of oxygen available to the body by	

7) Abuse of the drug erythropoetin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) MBBS , MD (PATHOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)**



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - H	IARYANA	
Test Name	Value	Unit	Biological Reference interva
	FNDO	CRINOLOGY	
		IG HORMONE (LH)	
UTEINICINC HOD	MONE (LH): SERUM 15.61	mIU/mL	MALES: 0.57 - 12.07
NTERPRETATION:			MID-CYCLE PEAK: 7.59 - 89.0 LUTEAL PHASE: 0.56 - 14.0 POST MENOPAUSAL WITHOU HRT: 5.16 - 61.99
1. Luteinizing hormor hormone from the hy 2. In both males and into a follicular phas 3. This "LH surge" trig luteum that, in turn, 4. LH supports thecal interstitial cells of Le The test is useful in tf 1. An adjunctin the e 2. Evaluating patients 3. Predicting ovulatio 4. Diagnosing pituita 5. In both males and levels. FSH AND LH ELEVTED	ggers ovulation thereby not only releasing the e broduces progesterone to prepare the endomet cells in the ovary that provide androgens and ydig to cause increased synthesis of testosteror he following situations : valuation of menstrual irregularities. s with suspected hypogonadism on & Evaluating infertility ry disorders females, primary hypogonadism results in an e IN:	otropins, FSH and LH, from the hales, the menstrual cycle is c egg, but also initiating the cor rium for a possiblei mplantat hormonal precursors for estr ne.	he anterior pituitary. divided by a mid cycle surge of both LH and FS nversion of the residual follicle into a corpus ion. adiol production. LH in males acts on testicu
3. Precocious puberty	r feminization syndrome y (either idiopathic or secondary to a central ne	ervous system lesion)	
I. Menopause			

- Primary ovarian hypo dysfunction in females
 Polycystic ovary disease in females
 Primary hypogonadism in males

- LH IS DECREASED IN:
- 1. Primary ovarian hyper function in females
- 2. Primarý hypergonadism in males

NOTE

1 .FSH and LH are both decreased in failure of the pituitary or hypothalamus.





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Test Name		Value	Unit	Biological Reference interval		
	FOLLICLE	STIMULA	TING HORMONE (FS	H)		
	ATING HORMONE (FSH): SERUM escence immunoassay)	3.15	mIU/mL	FEMALE FOLLICULAR PHASE: 3.03 - 8.08 FEMALE MID-CYCLE PEAK: 2.5 - 16.69 FEAMLE LUTEAL PHASE: 1.38 5.47 FEMALE POST-MENOPAUSAL: 26.72 - 133.41 MALE: 0.95 - 11.95		
luteinizing hormone (2. The menstrual cyc 3. FSH appears to cor The test is useful in t 1. An adjunct in the e	(LH) from the anterior pituitary. le is divided by a midcycle surge of b ntrol gametogenesis in both males an he following settings: evaluation of menstrual irregularities s with suspected hypogonadism. on	ooth FSH and nd females.		ropins, follicle-stimulating hormone (FSH) and d a luteal phase.		

4. Evaluating infertility

5. Diagnosing pituitary disorders

6. In both males and females, primary hypogonadism results in an elevation of basal follicle-stimulating hormone (FSH) and luteinizing hormone (LH) levels

FSH and LH LEVELS ELEVATED IN:

- Primary gonadal failure
 Complete testicular feminization syndrome.
- Precocious puberty (either idiopathic or secondary to a central nervous system lesion)
 Menopause (postmenopausal FSH levels are generally >40 IU/L)
- 5. Primary ovarian hypofunction in females
- 6. Primarý hypogonadism in males

NOTE:

- Normal or decreased FSH is seen in polycystic ovarian disease in females
 FSH and LH are both decreased in failure of the pituitary or hypothalamus.



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB	ALA CITY - HARYANA			
Test Name		Value	Unit	Biological Reference interval	
		PROLACTIN	ſ		
PROLACTIN: SERU	M	8.24	ng/mL	3 - 25	
	ESCENT MICROPARTICLE IMMUNOASSA		0		
2.Functional and org 3.Primary hypothyro 4.Section compressic 5.Chest wall lesions 6.Ectopic tumors. 7.DRUGS:- Anti-Dopa receptors, or serotor ,Opiates, High doses SIGNIFICANCE: 1.In loss of libido, ga 2.Loss of libido, impo from decreased musi 3. In males, prolactin 5.Clear symptoms an 4. Mild to moderatel adenoma is present, CAUTION: Prolactin values that	In of the pituitary stalk. and renal failure. minergic drugs like antipsychotic dr in reuptake (anti-depressants of al of estrogen or progesterone,anticc lactorrhea, oligomHyperprolactiner stence, infertility, and hypogonadis cle mass and osteoporosis. <i>levels >13 ng/mL are indicative of hy,</i> <i>n levels >27 ng/mL in the absence of</i> d signs of hyperprolactinemia are c y increased levels of serum prolacti 5.Whereas levels >250 ng/mL are u exceed the reference values may b d symptoms of hyperprolactinemia	rugs, antinausea/antieme I classes, ergot derivativ onvulsants (valporic acid mia often results enorrhe m in males. Postmenopa perprolactinemia. pregnancy and postpartu ften absent in patients v n are not a reliable guide isually associated with a e due to macroprolactin	etic drugs, Drugs es, some illegal d), anti-tuberculou ea or amenorrhea usal and premen with serum prolac e for determining prolactin-secretii (prolactin bound maging studies a	that affect CNS serotonin metabolism, seroto lrugs such as cannabis), Antihypertensive dru us medications (Isoniazid). a, and infertility in premenopausal females. opausal women, as well as men, can also suff dicative of hyperprolactinemia. tin levels <100 ng/mL. whether a prolactin-producing pituitary ng tumor.	
	am	Ghopra	-		



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