

Pt's Name : Nirav Faraswami
Ref.by : Dr. Moti Talpade

Age : 24 Years Sex : Male
Date/Time of Registration : 16/04/2014 12:57
Lab.No: 31-2363-14

HAEMOGRAM

Sample: EDTA

Method : Electrical Impedence/Optical Analysis by Automated cell Counter

Test Name	Result	Units	Biological Reference Interval
Blood Counts	:-		
Haemoglobin	: 15.40	gm%	13.5 - 17.0
R.B.C.Count	: 4.86	mill/cmm	4.5-5.5
W.B.C.Count	: 5750	/cmm	4000 - 10000
Platelet Count	: 367000	/cmm	1,50,000-4,00,000
Differential WBC Count:	:-		
Polymorphs	: 59	%	40-80
Lymphocytes	: 36	%	20-40
Eosinophils	: 02	%	1-6
Monocytes	: 03	%	2-10
Band cells	: 00	%	0 - 2
Blood Indices	:-		
P.C.V.	: 47.10	%	Adult : 40-50
M.C.V.	: 96.90	fl	83-101
M.C.H.	: 31.60	pg	27-32
M.C.H.C.	: 32.70	g/dl	31.50-34.50
R.D.W.	: 13.20	%	11.60-14.00

Morphology of WBCs :- Premature cells are not seen.

Morphology of RBCs :- Normocytic, Normochromic

Malarial Parasites :- Malarial parasites are not seen.

Erythrocyte Sedimentation Rate:- (Automated Analyser)

After One Hour :- **04** mm/hr

After Two Hours : -- mm/hr

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Male : <10 mm/hr

Female : <20 mm/hr

Children : 3 - 13 mm/hr

----- **End of Report** -----

RENAL FUNCTION PROFILE

Sample: Serum

Test Name	Result	Units	Biological Reference Interval
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S.Urea (Urease)	:	24.01	mg%	17-43
S.Creatinine (Jaffe Reaction Kinetic)	:	0.82	mg%	0.9-1.3
Sodium (ISE)	:	136.9	mEq/L	136 - 145
Potassium (ISE)	:	4.45	mEq/L	3.5 - 5.1
Chlorides (ISE)	:	104.9	mEq/L	98 - 107

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LIVER FUNCTION PROFILE

Test Name	Result	Units	Biological Reference Interval
Total Bilirubin (DCA)	: 0.93	mg%	0.1 - 1.2
Direct Bilirubin (DCA)	: 0.29	mg%	Less than 0.2
Indirect Bilirubin (Calculation)	: 0.64	mg%	Upto 0.7
S.G.O.T (IFCC)	: 17.79	U/L	Less than 35
S.G.P.T. (ALT) (IFCC)	: 15.25	U/L	Less than 41
Total Protein (Biuret)	: 7.28	gm%	6.6 - 8.8
S.Albumin (Bromocresol Green)	: 4.72	gm%	3.5-5.2
Globulin (Calculation)	: 2.56	gm%	2.3-3.5
A/G Ratio	: 1.8:1		2:1

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TEST FOR SERUM ALKALINE PHOSPHATASE

Sample:Serum
Method : IFCC

Test Name	Result	Units
Alkaline Phosphatase	: 91.52	U/L

Biological Reference Interval :-

	<u>Female</u>	<u>Male</u>	
1 - 30 Days	: 48 - 406	75 - 316	U/L
1 Month - 1 Year	: 124 - 341	82 - 383	U/L
1 - 3 Years	: 108 - 317	104 - 345	U/L
4 - 6 Years	: 96 - 297	93 - 309	U/L
7 - 9 Years	: 69 - 325	86 - 315	U/L
10 - 12 Years	: 51 - 332	42 - 362	U/L
13 - 15 Years	: 50 - 162	74 - 390	U/L
16 - 18 Years	: 47 - 119	52 - 171	U/L
19 - 50 Years	: 42 - 98	53 - 128	U/L
> 50 Years	: 53 - 141	56 - 119	U/L

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PROTHROMBIN TIME

Sample : Citrated Blood

Test Name	Result	Units	Biological Reference Interval
Patient's Value	: 13.7	Seconds	11 - 16

Mean Value : 13.1 Seconds

ISI : 1.0

INR : 1.0458

Therapeutic Range of INR :

PROPHYLATIC ORAL ANTICOAGULANT FOR MECHANICAL VALVES : 2.50-3.50
FOR ALL OTHER CAUSES :

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PLASMA GLUCOSE ESTIMATION

Method : G.O.D - P.A.P.

Sample:Florde

Fasting Plasma Sugar	Result	Unit	Biological Reference Interval
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Fasting Plasma Glucose : **90.46** mg% ≥ 126 :Hyper glycemia
100-125 : Impaired Fasting Glucose
Fasting Urine Sugar : **Nil** OGT Advised
Fasting Urine Acetone : **Nil** < 100 : No impaired Glucose
Tolerance

Remarks :- ----

(N.A. = Not Available).

[(Ref. : AMERICAN DIABETES ASSOCIACION (Diabetes Care, volume 33, 1, Jan 2010)]

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BLOOD CHEMISTRY PROFILE

Sample:Serum

Test Name	Result	Units	Biological Reference Interval
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Calcium (Arsenazo-III)	:	9.97	mg%	8.6 - 10.3
S.Phosphorous (Photometric UV test)	:	2.86	mg/dL	2.6 - 4.5
S.Magnesium (Xylidyl Blue)	:	2.21	mg%	1.8 - 2.6
Iron (Ferene)	:	126.92	microgram/dl	40 - 155

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LIPID PROFILE

Sample:Serum

Test Name	Result	Units
Serum Cholesterol	: 141.38	mg%
Serum Triglycerides	: 69.70	mg%
Serum HDL Cholesterol	: 48.78	mg%
Serum LDL Cholesterol	: 68.85	mg%
Serum VLDL Cholesterol*	: 13.94	mg%
Cholesterol/HDL Ratio	: 2.8983:1	
LDL/HDL Ratio	: 1.4114:1	

Note: Triglyceride level changes acutely & temporarily because of previous night's diet,fasting / non-fasting state & changes in the blood sugar level.

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URINE EXAMINATION

Method:Strip/Manual

Physical :-

Quantity	:	25 cc
Colour	:	Pale Yellow
Odour	:	Aromatic
Deposits	:	Absent
Clarity	:	Clear
Reaction (PH)	:	6.0
Specific Gravity	:	1.025

Chemical :-

Albumin : **Trace**
Sugar : **Nil**
Acetone : **Nil**
Bile Salts : **Absent**
Bile Pigments : **Absent**

Microscopic Examination :-

W.B.C. (Pus Cells) : **Occasional** /H.P.F.
Red Blood Cells : **Nil** /H.P.F.
Casts : **Nil**
Type : **--**
Crystals : **Ca-oxalate Present**
Amorphus : **Nil**
Epithelial Cells : **Occasional** /H.P.F.

Remark :- ----

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SERUM B-12 LEVEL

Method : Chemiluminescent Immunoassay

Sample:Serum

Test Name	Result	Units	Biological Reference Interval
Serum B12	: 200	pg/ml	Healthy Adults: 187-883

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FOLIC ACID

Method : Chemiluminescent Immunoassay

Sample:Serum

Test Name	Result	Units	Biological Reference Interval
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Folic Acid : **7.4** ng/ml 3.1 - 20.5

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FERRITIN LEVEL

Method : Chemiluminescent Immunoassay

Sample:Serum

Test Name	Result	Units	Biological Reference Interval
Ferritin Level	: 79.23	ng/ml	21.81 - 247.66 :Adult Male 4.63 - 204.0 : Adult Female

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THYROID FUNCTION TEST (T3, T4, TSH)

Method : By Chemiluminescent Immunoassay

Sample:Serum

Test Name	Result	Units	Biological Reference Interval
T3 (TRIODOTHYRONINE) :		ng/ml	0.58 - 1.59
T4 (THYROXINE) :		microgram%	4.87 - 11.72
TSH : 1.9551		micro IU/ml	0.35 - 4.94
(THYROID STIMULATING HORMONE)			

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