Blood Test Report

	Fasting	Normal		Observation			
		values					
Complete Blood Count (CBC)	Fasting	not essential					
RBC (Erythrocytes)	No	M-4.5-6.4	Mil. /	If less: anemia			
		F-4.0-5.4	c. mm				
Haemoglobin	No	M-14-18	Gm /				
		F-12-16.4	100 ml				
PCV (RBC)	No	M-42-52 F-37-47	%				
MCV (Mean corpucells volume)	No	78-94	Fl. Cu	Type of anemia			
MCH	No	27-32					
MCHC	No	32-38	Gms/d	1			
WDV (Laugagytag)	Nie	4000-	Dana	If less suspendibility to			
WBV (Leucocytes)	No	11000	Per c.	If less-susceptibility to infection			
		11000	111111	If very high in Lacs-			
				Leukemia			
Differential WBC count	No		%				
Neutrophils		60-75		If more-acute infection			
Lymphocytes		20-30		If more-chronic infection			
Monocytes		2-8		If more-T.B. Typhoid, urinary infection			
Esoinophils		1-6		If more-allergy, cough, cold, asthma, and worms.			
Basophils		0-1		Led poisoning, Leukemia			
Abnormal cells							
Platelets	No	150000- 450000	Cu. Mm	If less-bleeding disorder, dengue,			
Peripheral smear	No		11111	July 100			
Morphology of:							
RBC	No	Normochromic / Hypochromic / Anisocytosis					
Observation		Normal / Anaemia /size of RBC differs					
WBC	No						
Blood Parasites	No			MP, Filaria			
Reticulocytes	No	0.5-1.5 / 0.2-2.2		If more-anemia			
Color Index	No	0.85-1.15					
In bacterial infection with fever, WBC count goes up. E.g. Tonsillitis, sinusitis, bronchitis, Pneumonia, appendicitis, urinary infection12000-25000 WBC, In Typhoid & viral infection – WBC may be normal.							
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		2		T	
Erythrocyte Sedimentation	Mini	M-0-15	Mm at	>80-90:Chronic	
Rate (ESR)	mum	F-0-20	end of	disease, TB	
	8 hrs		1 hour		
If ESR of a patient under treati	ment sho	ws decline trend,	it indicates s	success of treatment. In	
Pregnancy –ESR exceeds 40-5					
Do not drink water during 10-1	12 hours	before blood test	•		
Fasting Blood Sugar	10-12 h	ours			
Normal		<120	Mg/dl		
Border line diabetes		120-140	Mg/dl	Diabetes	
Established diabetes		>140	Mg/dl	Thyroid	
				•	
Post Prandial (PP) Blood	2 hours	after lunch			
Sugar					
Normal		<120	Mg/dl		
Border line diabetes		120-140	Mg/dl	Diabetes	
Established diabetes		>140	Mg/dl	Thyroid	
				<i>J</i>	
Blood-Glucose Level	ood-Glucose Level Glucose level is maximum 1 hour after meals.				
Maximum Value	214000		1 11001 411		
Normal		<160			
Border line diabetes		160-180			
Established diabetes		>200			
Established diacetes		> 200			
Blood sugar method: Glucos	- Ovidas	Δ			
Diood sugar memou. Giucos	Aluas				
Glycosylated Haemoglobin	Glucos	e level in last 3 n	nonths i.e. lif	e cycle of RRC	
Grycosylateu Haemoglobin	10-12 h		1011113 1.C. 111	C Cycle of RBC	
	10-121	6.18.6	%		
		4.2 – 6.2	70	Best control	
		5.5 6.8			
				Good Control O K Control	
		6.87.6			
		>7.6		Poor control	
17: 1 T 4	0				
Kidney Tests	8				
DI III	hours	0.40	3.6 / 11	A . 0 1 .	
Blood Urea		0-40	Mg/dl	Acute & chronic	
DIDIDI III III		0.10	3.6 / 11	Renal failure	
BUN-Blood Urea Nitrogen		0-18	Mg/dl	TC C	
Serum Uric acid		3-5.7	3 - / -	If more—Gout	
Serum Creatinine		0.5 – 1.4	Mg/dl	RF > 18 Renal failure	
Routine urine for albumin		Nil to trace		Proteins in urine	
24 hours albumin in the urine		150	Mg/24		
			hours		

T · · 1 D · 601	1111	3	3.6 / 11	1
Lipid Profile	14-16		Mgs/dl	
	Hours	1.70.076	100 ml	
S. Cholesterol		150-250		
S. HDL		M-30-60		
		F- 40-70		
S. LDL		60-160		
S.VLDL		3-35		
S. Triglycerides		60-150		
Total Cholesterol / HDL		< 4.5		
Liver Function Tests	12 hrs			
Serum Bilirubin		0.2 –1	Mg/	If more-Jaundice
			100 ml	
SGOT		8-40	Units/	
		0 10	ml	
Increases 6-8 hrs after heart a	 httack	Becomes normal		l fter heart attack
SGPT	iiiiCK.	5-35	-do-	noi neart attack.
		60-170	-do-	If more-liver, cancer
Alkaline Phosphatase		00-170		,
C CT		0.27		, Bone problems.
Gamma GT		8-37	-do-	21 6 11 500
Serum Mayo globlin		6-90 nano grm	Increases 2 hrs after HA. >500	
Troponin (card test done in 5	min)		Increases 2 hrs after HA	
CPK-MB			Increases 4 hrs after HA.	
				s high for 48 hrs.
				after 3-4 days.
LDH (enzyme)			Remains high for 7 days.	
Homosystain	12 hrs		If more, arteries have become rigid / lost elasticity.	
PH Test		+ /- 6.5	Acidic condition of blood	
		.,		
R A Factor Test	10			If + Rheumatoid
KAT LUCTOT TEST	10			Arthritis
				7 Hunius
Serum Electrolytes				
S. Sodium		125 145	M.E. /	If least nouses
S. Sodium		135-145	M Eq /	If less: nausea,
			L	disorder of muscles /
				If more-water is
				retained in body
S. Potassium		3.5 –5.5	M Eq /	Weakness of muscles
			L	If more-heart disease
				If less-blood
				circulation problem
S. Chlorides		96-106	M Eq /	If more-RF,
			L	If less- Diarrhea
S. Magnesium				If less-heart ailments,
				bones, teeth &
		L		1 - 511-5, 100111 00

		4		
				muscles weakness
S. Calcium		9-10.6	Mg / dl	If less-osteoporosis, epilepsy
S. Phosphorus		2.5-4.8	Mg / dl	If less-osteoporosis, epilepsy, loss of weight
S. Amylase		9.50		Pancreas functioning, no diagnosis of severe abdomen pain
S. Acid Phosphates		1-4	KA units	Orthopedic problem, metabolic disorder
Prostatis fraction		0-0.8	KA units	If more-prostate gland disorder
S. Proteins total		6-8	Gms %	If more-Liver
Albumin		3.5 to 5.6	Gms %	If less-TB, malnutrition If more-Liver syrosis
Globulin		1.3 to 3.2	Gms %	ARF-CRF variation
Widal test	10			Typhoid fever
Salmonella typhi 'O'		1:80 & above		
Salmonella typhi 'H'		1:120 & above		
Salmonella paratyphi A 'H'				
Salmonella paratyphi B 'H'				
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