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Patient Name: Mr. Mir Faisal
 Age/Sex: 33 Y/M
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 Referral Doctor: Dr. SIDDHARTH.V.H
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MR No: MR00664378
 Visit No: OP2223151008
 Sample Date: 11-11-2022 07:50
 Report Date: 11-11-2022 10:39

Laboratory Test Report**SEROLOGY**

Test Description	Observed value	Units	Reference Range
TSH-Thyroid Stimulating Hormone			
Thyroid Stimulating Hormone	7.72 #	μIU/ml	0.27 - 4.20
<i>Method: Chemiluminescence. Sample Type: SERUM</i>			
Interpretation: The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of hyperthyroidism (decreased TSH values) and hypothyroidism (increased TSH values).			
PSA(PROSTATIC SPECIFIC ANTIGEN TOTAL)	3.54	ng/ml	< 40 Yrs 0.57 - 1.4
<i>Method: Chemiluminescence. Sample Type: SERUM</i>			
			40-49 Yrs 0.59 - 2.0
			50-59 Yrs 0.75- 3.1
			60-69 Yrs 1.65 - 4.1
			70 Yrs 1.73 - 4.4

Interpretation: Elevated concentrations of PSA in serum are generally indicative of a pathologic condition of the prostate (prostatitis, benign hyperplasia or carcinoma) As PSA is also present in para-urethral and anal glands, as well as in breast tissue or with breast cancer, low levels of PSA can also be detected in sera from women. PSA may still be detectable even after radical prostatectomy. The main areas in which PSA determinations are employed are the monitoring of progress and efficiency of therapy in patients with prostate carcinoma or receiving hormonal therapy. The steepness of the rate of fall in PSA down to no-longer detectable levels following radiotherapy, hormonal therapy or radical surgical removal of the prostate provides information on the success of therapy. An inflammation or trauma of the prostate (e.g. in cases of urinary retention or following rectal examination, cystoscopy, coloscopy, transurethral biopsy, laser treatment or ergometry) can lead to PSA elevations of varying duration and magnitude.

-----END OF REPORT -----

Checked By

Dr. ANAMIKA PAL
 MBBS, DCP (Pathology)
 Consultant Pathologist

* Abnormally low values, # Abnormally high values, ** Test not in NABL scope.