Patient ID : p\_id Name : p\_name Age/Sex : age\_sex
Ref. by : doctor\_ref Lab no : Date : test\_date
IMMUNOASSAY
TEST NAME RESULT UNITS REFERENCE RANGE
Sample time : 9:30 A.M.
Serum Cortisol (CLIA/ Beckman DXI 800)
11.7
μg/dL
8am to 10am : 6.7-22.6
4pm to 8pm : 2.3-12.34pm to 8pm : <10
Summary and interpretation : Cortisol is synthesized from the common precursor cholesterol in the zona faciculata of the cortex of the adrenal gland. The most important physiological effects of cortisol are the increase of blood glucose levels (enhancement of glycogenesis, catabolic action), its anti-inflammatory and immunosuppressive action. Serum cortisol concentration normally shows a diurnal variation. Maximum concentration (25.4 ug/dl) are usually reached early in the morning and then concentration decline throughout the day to an evening level that is about half of the morning concentration. The cortisol status of a patient is used to diagnose the function or malfunction of the adrenal gland, pituitary and the hypothalamus. Thereby cortisol serum concentration are used for monitoring of several diseases with an overproduction (Cushing's syndrome) or underproduction (Addison's disease ) of cortisol. The determination of cortisol in 24-hour is the method of choice for the detection of Cushing's syndrome
NOTE : This test was processed at third party lab.
.