

Changes in Reproductive Hormone Levels in Different Disease States

DISEASE STATE		HORMONE LEVEL			
Classification	Example	FSH	LH	Testosterone	Estradiol
Male					
Primary deficiency	Klinefelter's syndrome	High	High	Low	–
Secondary deficiency	Panhypopituitarism	Low	Low	Low	–
Primary excess	Testicular tumor	Low	Low	High	–
Secondary excess	Precocious puberty	High	High	High	–
Other	Seminiferous tubule failure	High	Normal	Normal	–
Other	Partial androgen insensitivity	Normal	High	High	–
Female					
Primary deficiency	Menopause	High	High	–	Low
Secondary deficiency	Sheehan's syndrome	Low	Low	–	Low
Primary excess	Feminizing ovarian tumor	Low	Low	–	High
Secondary excess	Gonadotropin-producing tumor (rare)	High	High	–	High
Other	Polycystic ovarian syndrome	Normal	High	High	–
Other	Masculinizing ovarian tumor	Low	Low	High	–

آزمایشگاه تشخیص طبی بهار

BAHAR LABORATORY