

# Amenorrhea

Primary amenorrhea (non-appearance of menstruation)	
AGS (Adreno-Genital Syndrome)	increased: ACTH, 17-OH progesterone, testosterone, testosterone/SHBG ratio, DHEA-S
Testicul. feminization	increased: androstendione
Turner syndrome	increased: FSH, LH
Secondary amenorrhea (disturbance of initially normal menstruation)	
Ovarial	increased: LH/FSH ratio, testosterone/SHBG ratio, DHEAS (levels up to approx. 450 µg/dl, e.g. Stein-Leventhal syndrome, polycystic ovary syndrome) with or without hirsutism
Suprarenal	increased: LH/FSH ratio, DHEAS (levels over 500 µg/dl)
Pregnancy!	
Cerebral amenorrhea (e.g. hypothalamic amenorrhea)	
Increased:	prolactin (prolactinoma = adenoma of the pituitary gland)
Decreased:	LH, FSH (hypophyseal tumor, Sheehan syndrome = post partal ischemic necrosis of the anterior pituitary gland, encephalitis, brain trauma, brain tumor)
Hypothyroidism	<i>increased:</i> TSH, prolactin

**Screening tests:** FSH, LH, prolactin, TSH, estradiol, testosterone, androstenedione, DHEA-S

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>