

- ovaries that are not properly developed
- genetic abnormalities, such as Turner syndrome
- exposure to radiation
- history of taking chemotherapy drugs
- autoimmune disorders
- ovarian tumor
- thyroid or adrenal disease
- polycystic ovary syndrome (PCOS)

Low LH and FSH levels might suggest subsequent ovarian failure. This suggests that ovarian failure is caused by something else in your body. This is often the consequence of issues with the parts of your brain that produce hormones, such as the pituitary gland.

For Men

High LH levels in men can suggest primary testicular failure. This condition can be caused by a variety of factors, including:

- chromosome abnormalities (such as Klinefelter syndrome)
- gonad development failure
- a history of viral infections (such as the mumps)
- trauma
- radiation exposure
- history of taking chemotherapy medications
- autoimmune disorders
- tumors (such as a germ cell tumor)

Secondary testicular failure can also be caused by a brain condition, such as a hypothalamic problem. Also, if your doctor gave you the GnRH injection and your LH levels decreased or remained unchanged, a pituitary condition is frequently caused.

Low LH levels in adult males can lead to low testosterone levels, which can cause symptoms such as:

- sexual dysfunction
- lack of sexual interest
- fatigue

For Children

High amounts of LH in children can trigger early puberty. This is referred to as premature puberty. According to the American Association of Clinical Chemistry (AACC), females are more prone than boys to suffer from this illness. This can be caused by a variety of factors, including:

- a tumor in the central nervous system
- trauma or brain injury
- inflammation or infection in the central nervous system (such as meningitis or encephalitis)

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