

**Disease**

# Hypogonadotropic hypogonadism 12 with or without anosmia<sup>1, 2, 3</sup>

**Gene**

## GNRH1

|                                                 |                                                                                                                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inheritance</b>                              | AR                                                                                                                                                                                                |
| <b>Current Treatments</b>                       | FSH (follicle-stimulating hormone); hCG (human chorionic gonadotropin); LH (luteinizing hormone) - only males                                                                                     |
| <b>Evidence for Treatment</b>                   | expert opinion                                                                                                                                                                                    |
| <b>Non-Molecular Testing Availability</b>       | yes                                                                                                                                                                                               |
| <b>Non-Molecular Test</b>                       | At one to three months of age. Serum FSH, LH, Testosterone, Inhibin B in males. FSH, LH, Inhibin B in females. <sup>3</sup>                                                                       |
| <b>Experimental / Investigational Therapies</b> | <a href="https://clinicaltrials.gov/search?cond=Hypogonadotropic%20Hypogonadism&amp;viewType=Table">https://clinicaltrials.gov/search?cond=Hypogonadotropic%20Hypogonadism&amp;viewType=Table</a> |

**References**

- <sup>1</sup> <https://omim.org/entry/614841>
- <sup>2</sup> <https://pubmed.ncbi.nlm.nih.gov/37798680/>
- <sup>3</sup> <https://pubmed.ncbi.nlm.nih.gov/38436980/>