

Abstract

The development of human internal and external reproductive organs is regulated on chromosomal, gene and hormonal levels. Different types of mutations on chromosomal and gene level interrupt those pathways, which affect the further development of reproductive organs. Pathways are disrupted and cause variable developmental defects of both internal and external genital organs.

The main goal of this work is to summarize these molecular processes that further affect the development of genitals in humans, possible developmental errors and their phenotypic subsequent manifestations.

Keywords: Reproductive organs, congenital anomalies, genetic disorders

