iMedPub Journals http://www.imedpub.com

Research Journal of Congenital Diseases

## Genetics and voice production in childhood and adolescence a review

## **Mette Pedersen**

1. Medical Centre, Ostergade 18, 1, 1100, Copenhagen, Denmark

Anders Overgard Jonsson, Christian F. Larsen

2. University of Copenhagen, Faculty of Health and Medical Sciences, Blegdamsvej 3B, 2200, Copenhagen, Denmark

3. Copenhagen Business School, Solbjerg Plads 3, 2000, Frederiksberg, Denmark

## Abstract

Adolescence is a challenging time of change in voicing, normally and in pathology. An increased focus on voice production in relation to genetics can expand our knowledge of the onset of puberty and voice change. Our aim with this review was to connect research of genetics to voice production in adolescence. We need further understanding of the developmental background of voice in childhood and adolescence, because many genetic multi handicaps include voice production. Genetic development related to voice production was the focus in a search made by the Royal English Society of Medicine, with only a few results. We supplemented with references to genetic studies of adults and animals as well as adjacent areas of voice production. The gene tic development of voice production is steered from the hypothalamus probably related to growth hormone. The genetic voice production in adults form the basis for understanding development. Some research results were found related to the pubertal steps. The findings are important in the future, using advanced voice analysis and artificial intelligence methods in patients with Multi handicaps.

Received: February 05, 2022; Accepted: March 19, 2022; Published: April 07, 2022

## Biography

Mette Pedersen was 2017 President and Chair at the Seventh World Voice Consortium Congress, Copenhagen, Denmark. 2015 Honored Professor of Medicine, International Bibliographical Centre, Cambridge. 1997 Thesis title: biological development and the normal voice in puberty,Gentofte University hospital ENT Dpt. lead by prof. M.Tos and Oulu University, Phoniatrics, Finland. 1975 Ear-Nose-Throat specialist Copenhagen. 1965 Medical final university examination,Copenhagen.