

## Cardiac Complications of Morquio's Syndrome

**Hilary Denis Solomons**

Department of Haematology, Biopath Laboratory, South Africa.

**\*Corresponding Author:** Hilary Denis Solomons, Department of Haematology, Biopath Laboratory, South Africa.

**Received date: September 05, 2025; Accepted date: September 15, 2025; Published date: September 29, 2025**

**Citation:** Hilary D. Solomons, (2025), Cardiac Complications of Morquio's Syndrome, *International Journal of Cardiovascular Medicine*, 4(5); DOI:10.31579/2834-796X/112

**Copyright:** © 2025, Hilary Denis Solomons. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Morquio's syndrome is a rare type of mucopolysaccharidosis (type iv) which becomes evident when the affected infant starts to walk. The condition is marked by severe dwarfism especially of the torso, short neck, prominent sternum, dorsolumbar kyphosis, genu valgum, flat feet and waddling gait. In contrast to hurler's syndrome, the mental retardation is slight to normal.

They get aortic valve disease, specifically aortic regurgitation.

To make the diagnosis one picks up keratan sulfate in the urine. There is a type a and a type b form of the disorder.

They also get cloudy cornea and spinal malalignment. Hypoplasia of the odontoid causes atlantoaxial subluxation, producing myelopathic changes.

In a nut-shell the internal organs continue to grow while the skeletal system stops growing. A good example of this was in the movie "the mighty freak."

Most die of congestive cardiac failure related to aortic regurgitation and compression of the heart! On auscultation they characteristically get early diastolic murmurs of aortic incompetence. All the other stigmata of a wide pulse pressure are picked up; Corrigan's pulse etc.

The only form of reversing the condition is by means of a cardiac transplant but the problem is that the skeletal changes are so severe.

Gene therapy may be of value as may stem cell therapy.

Most patients are put onto anti-cardiac failure therapy which includes Lasix, slow K digoxin and an ACE-inhibitor.

Synonyms for the condition are;

Eccentric-osteochondroplasia,

**Ready to submit your research? Choose ClinicSearch and benefit from:**

- fast, convenient online submission
- rigorous peer review by experienced research in your field
- rapid publication on acceptance
- authors retain copyrights
- unique DOI for all articles
- immediate, unrestricted online access

**At ClinicSearch, research is always in progress.**

Learn more <https://clinicsearchonline.org/journals/international-journal-of-cardiovascular-medicine>



© The Author(s) 2025. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.