Gaucher Disease and Bones:

Everything You Need to Know





Gaucher is an autosomal recessive disease caused by a defect in the GBA gene.1

Gaucher disease type 1 is one of the most common lysosomal disorders and affects approximately one in 44,000 people worldwide.

Gaucher disease causes significant bone complications, including:

- reduced bone density and strength (osteopenia/osteoporosis)
- fractures
- bone death (avascular necrosis)
- severe bone pain/bone crisis³



90%

Of Gaucher patients are affected by bone disease.



Of children show evidence of radiologic bone disease.

Of patients continue to have physical limitations due to bone disease after 2 years of ERT.

6.Giraldo P., Solano V., Pérez-Calvo J., et al. Quality of life related to type 1 Gaucher disease: Spanish experience, Qual Life Res. 2005;4(2):453-62.

25%

Bone pain

Bone crisis

- ''Dull and nagging''

Patients differentiated between chronic, daily bone pain and a bone crisis: although bone crises are not everyday occurrences, they are exceptionally debilitating and can take weeks to months to resolve.

7.Copeland FD, Correia LA, White ML. Uncovering the burden of Gaucher disease type 1: patient perspectives on unaddressed symp impact of disease, and the future of treatment. Poster presented at : 17th Annual WORLDSymposium 2021: February 8, 2021.

Bone disease impairs quality of life and permanently alters health status due to chronic pain, disability, and potential need for surgical interventions.

4.Marcucci, G., Zimran, A., Bembi, B. et al. Gaucher disease and bone manifestations. Calcif Tissue Int. 2014;95: 477.

