

## GRAVES' DISEASE & THYROID FOUNDATION

*Educate \* Encourage \* Empower*

P.O. Box 2793 • Rancho Santa Fe, CA 92067 • (877) 643-3123 • [www.gdatf.org](http://www.gdatf.org) • [info@gdatf.org](mailto:info@gdatf.org)

---

### Anatomical Pictures of Normal vs. Graves' Eye Muscles

*Illustrations by Allison Grimes*

Figure 1. In Graves' ophthalmopathy, the extraocular muscles become infiltrated with micropolysaccharides, and the muscles become enlarged, firm, rubbery and resistant to passive stretching. The muscle volume may be increased eight to ten times the normal size. With time, scarring and shortening of the muscles may occur, resulting in double vision.

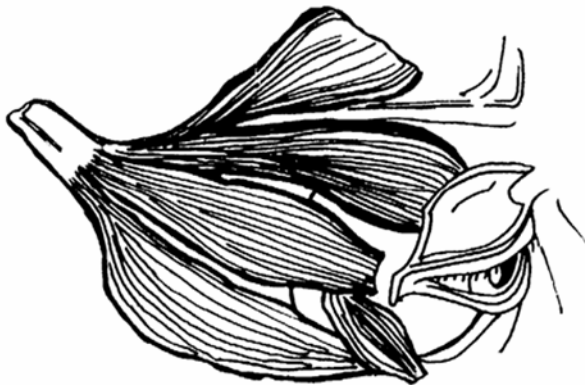


Figure 2. Normal eye muscles, which are flat and flexible, allowing for free movement of the eye in all directions.

