A 25-year-old female patient with myasthenia gravis underwent resection of a giant mass located in the anterior mediastinum that measured $34 \times 18 \times 7 \text{ cm}$ and weighed 1,780 g (Fig. 1). Histologically, the tumor proved to be a thymolipoma (Fig. 2). The association of myasthenia gravis with giant thymolipoma is rare. Myasthenic symptoms improved significantly after surgery.