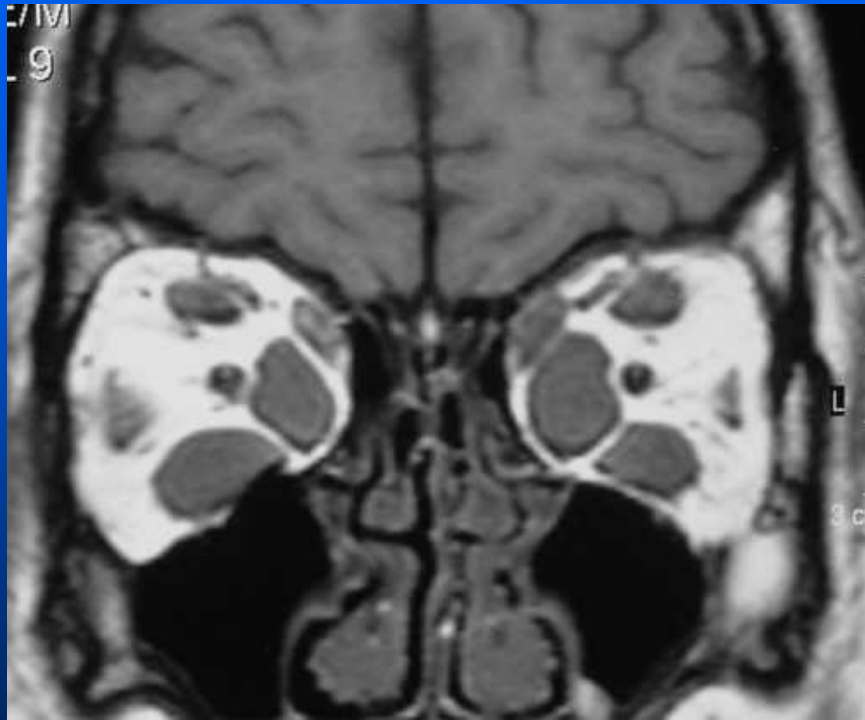


Graves' ophthalmopathy



Spares tendon insertions, usually bilateral

IM SLO

Thyroid Ophthalmopathy

Role of imaging

- Increase orbital fat, enlargement of extra-ocular muscles with sparing of tendons
- Fat deposition in EOMs in chronic disease
- Evaluate for optic neuropathy
 - Stretching of optic nerve
 - Nerve compression by concentric enlargement of extra-ocular mm

Thyroid Ophthalmopathy

- Most common cause exophthalmos
- 80% of bilateral, 15-30% of unilateral
- Female to male = 7 to 1
- Painless
- Antigens target orbital fibroblasts
- Hyperthyroid (80-90%), hypothyroid or euthyroid (10-20%)
- Thyrotropin receptor antibodies in all