Acromegaly Testing

INDICATIONS FOR TESTING
Adults: enlarged facial or acral features, abnormal musculoskeletal growth
Children: accelerated linear growth

ORDER
IGF-1 testing

Elevated IGF-1

Yes
ORDER
GTT
AND
GH test

Suppression of GH (GH <1 ng/mL)
Acromegaly excluded

Failure of suppression of GH (GH ≥1 ng/mL)
Acromegaly confirmed

MRI to evaluate pituitary gland and consider evaluation of other pituitary functions

No
Acromegaly unlikely

Abbreviations
GH  Growth hormone
GTT  Glucose tolerance test
IGF-1  Insulin-like growth factor 1
MRI  Magnetic resonance imaging