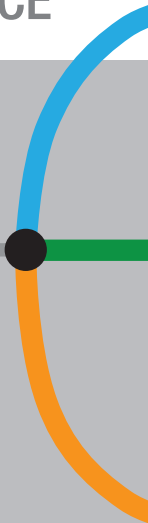
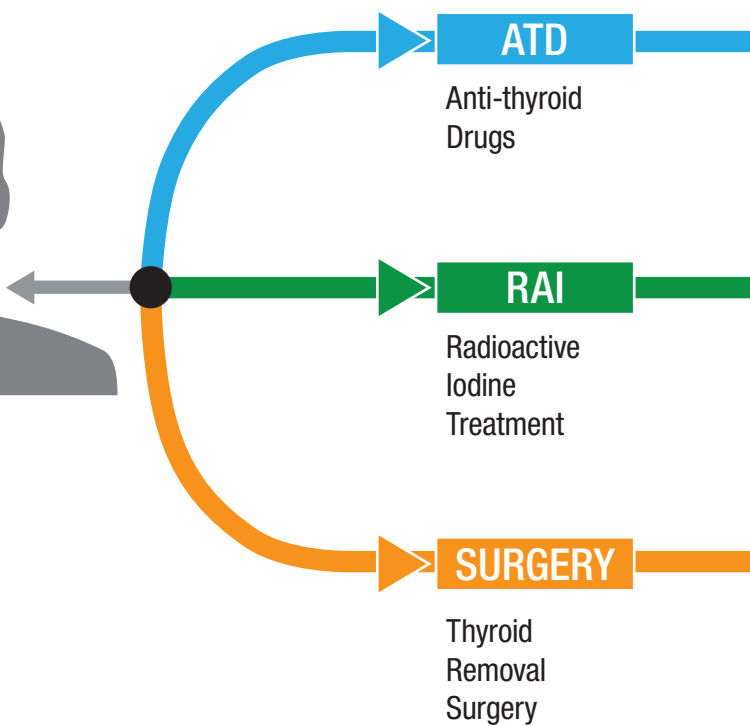
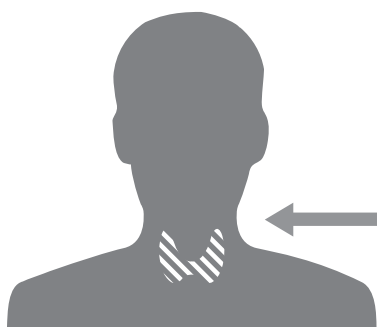


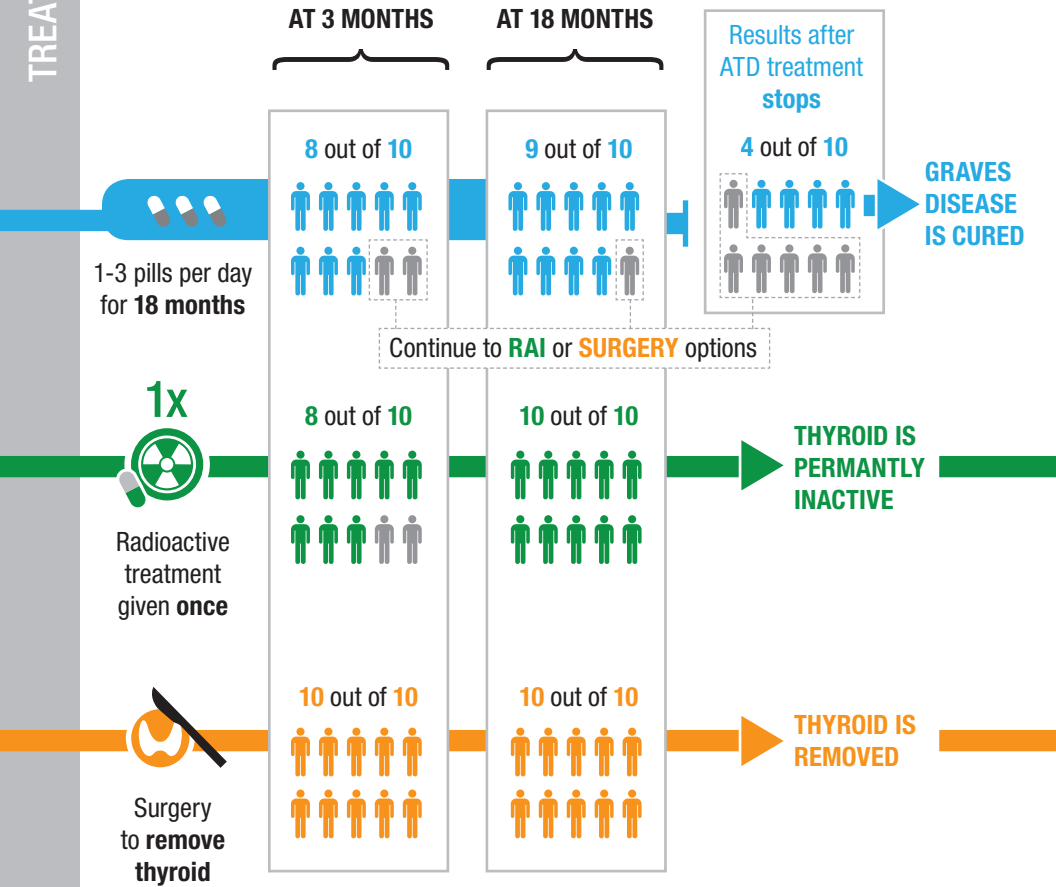


GRAVES DISEASE TREATMENT CHOICE





Graves Disease symptoms disappeared for...





THYROID REPLACEMENT

ATD 

IF ATD IS EFFECTIVE,
NO THYROID REPLACEMENT
WILL BE NEEDED

RAI

IT IS **VERY LIKELY** THAT
THYROID REPLACEMENT
THERAPY WILL BE NEEDED

SURGERY

EVERYONE WILL NEED
THYROID REPLACEMENT
THERAPY

COST

\$10 for 3 months of treatment

DAILY ROUTINE

- Taken daily before breakfast
- Taken at the same time each day

Needs to be taken lifelong

SIDE EFFECTS

if not well controlled...

IF THYROID LEVELS ARE HIGH

- Headache
- Chest pain
- Trembling
- Sweating
- Diarrhea
- Weight loss
- Increased sex drive
- Rapid or irregular heartbeat
- Shortness of breath

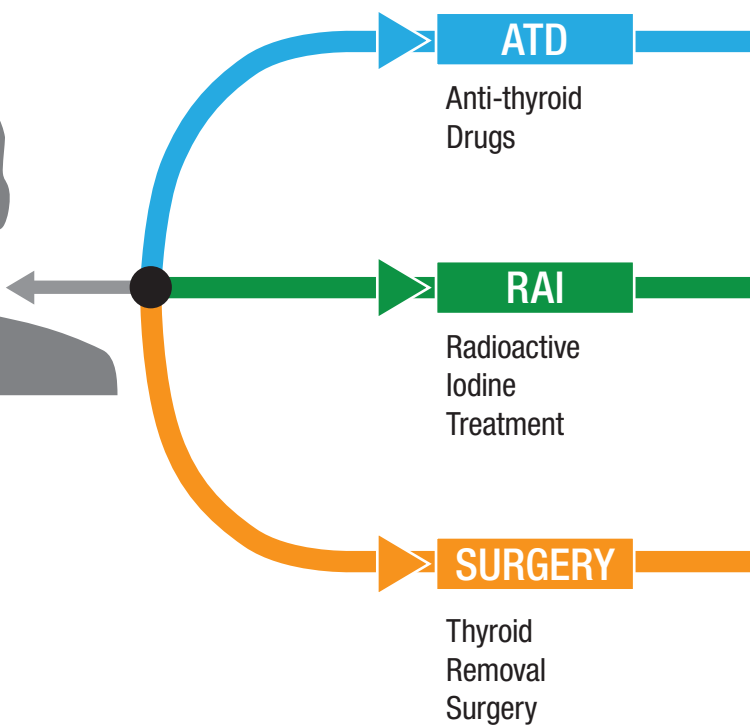
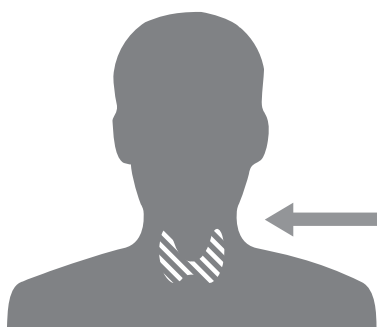
IF THYROID LEVELS ARE LOW

- Fatigue
- Muscle aches
- Constipation
- Dry skin
- Weight gain
- Slow heart rate
- Sensitivity to cold
- Dry, brittle hair that tends to fall out easily
- Decreased sex drive

TIME

Average of 3 months to achieve NORMAL thyroid levels.







1 OUT OF 4
people will drop
treatment due to
side effects:

POSSIBLE COMPLICATIONS

Rash
Itchy skin
Food may taste differently
Nausea

CONSIDERATIONS

Avoid contact with children and pregnant people after treatment

MEN: Impaired fertility (4-6 month)

WOMEN: Must avoid pregnancy (6 month)



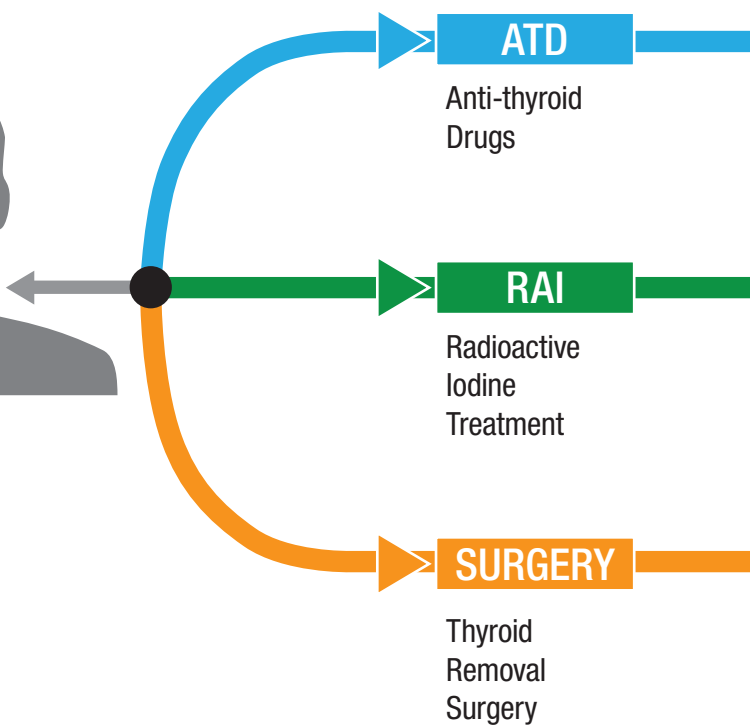
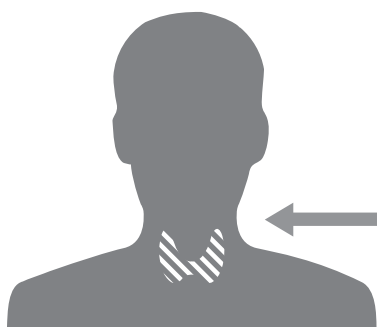
Permanent
Scar

POSSIBLE COMPLICATIONS

4 out of 100 people
will have Temporary Hoarseness

1 out of 100 people
will have Permanent Hoarseness

1 out of 100 people
will need calcium pills for lifetime

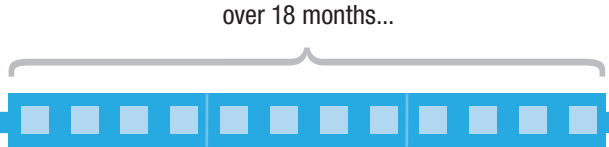


EXPENSE

MEDICAL COST

HEALTHCARE PROVIDER VISITS OR LAB TESTS

\$300-\$400



as many as 9 - 12

\$3500-\$4000



as many as 7

\$30K-\$40K



as many as 3 - 4
(more if there are side effects)

(Hyperthyroidism treatment typically is covered by health insurance)

IF YOU HAVE MILD EYE DISEASE

ATD

**YOUR EYE DISEASE
WILL REMAIN UNCHANGED**

RAI

**YOUR EYE DISEASE
MAY WORSEN**

SURGERY

**YOUR EYE DISEASE
WILL REMAIN UNCHANGED**

NOTES

RESOURCES

MAYO CLINIC

www.mayoclinic.com/health/hyperthyroidism/DS00344

UPTODATE

www.uptodate.com/contents/

[hyperthyroidism-overactive-thyroid-the-basics?source=see_link](http://www.uptodate.com/contents/hyperthyroidism-overactive-thyroid-the-basics?source=see_link)

AMERICAN THYROID ASSOCIATION

www.thyroid.org/patient-thyroid-information/ata-patient-education-web-brochures/

MAYO CLINIC | 200 First Street SW | Rochester, MN 55905 | mayoclinic.org

©2013 Mayo Foundation for Medical Education and Research. All rights reserved. MAYO, MAYO CLINIC and the triple-shield Mayo logo are trademarks and service marks of MFMER.

MC5733-51