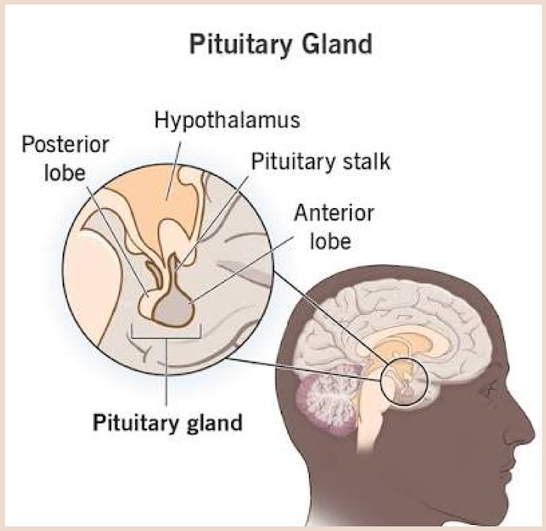
# Pituitary Tumors: When Hormones and Imaging Collide

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## Introduction

- The pituitary gland is important and crucial for body functions. It includes purposes such as producing hormones that are imperative to the body.
- The pituitary gland is located within the sella turcica.
- Pituitary tumors are small benign tumors located on the pituitary gland that cause drastic changes to the body and its functions.




## Statistics

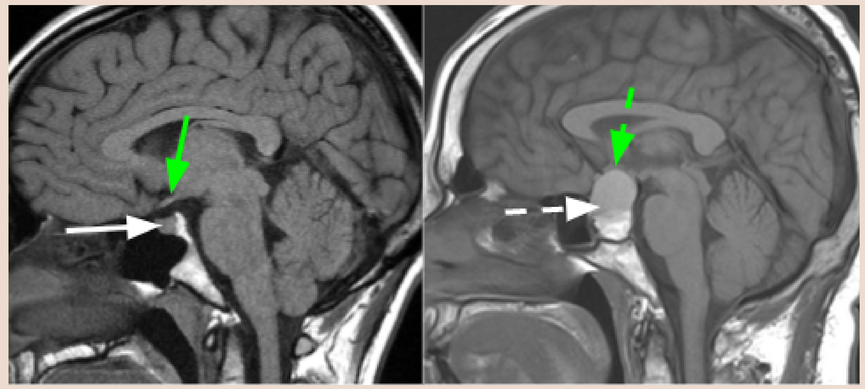
- There are 15,000 pituitary tumors diagnosed each year.
- One in four people have pituitary tumors and do not know about it.

## Imaging and Treatment

- MRI is the most effective tool in diagnosing a pituitary tumor; an MRI will show great detail of the sella turcica and indicate how close the tumor is to blood vessels and nerves.
- These can be treated by surgical removal, medication to shrink the tumor, surveillance, and radiation therapy.
- Radiation therapy is the best option for some who cannot have surgery or when the medication cannot control the tumor's growth.

## Signs/Symptoms

- There can be many early symptoms when it comes to pituitary tumors; most people have no symptoms, and these are found on radiographic imaging.
- Some signs of a pituitary tumor are weight gain and weight loss, a rounded face, and thinning of the skin.
- Some symptoms of a pituitary tumor are depression, vision issues, fatigue, and weakness.



## Conclusion

- Imaging is the most important part in the discovery and the treatment of pituitary tumors.
- Imaging also provides a way for health care professionals to visualize exactly where the tumor is and how they can go about treating it.
- Even though they are said to be benign, that does not mean pituitary tumors cannot have extreme effects on the body.

## Resources


- https://www.cancer.org/cancer/types/pituitary-tumors/key-statistics.html
- https://www.nanosweb.org/Pituitary Tumor/
- https://my.clevelandclinic.org/health/body/21459-pituitary-gland