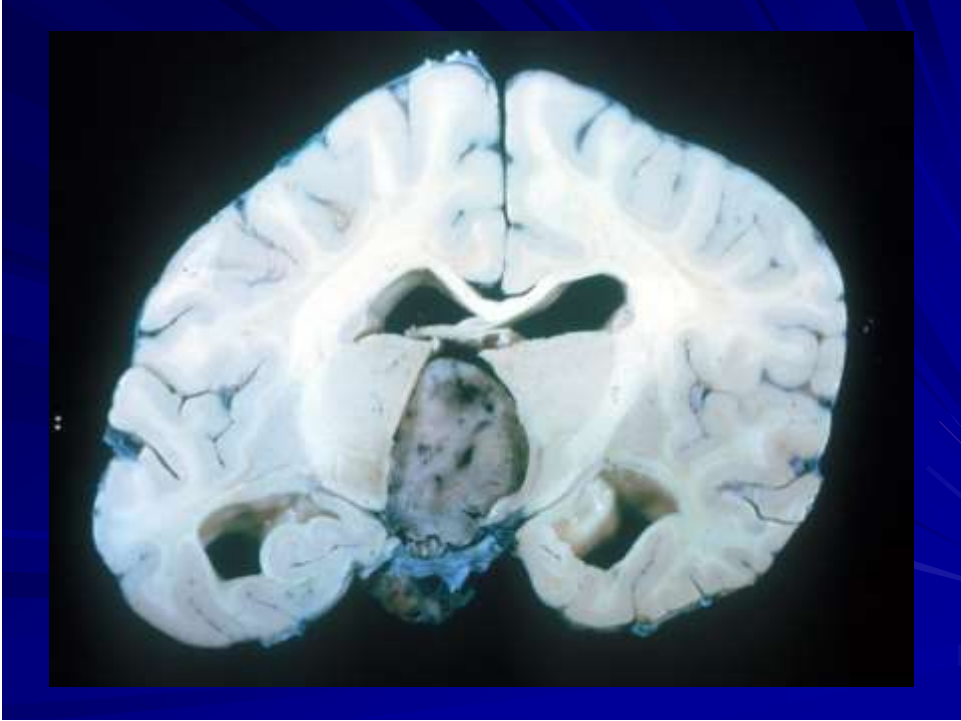
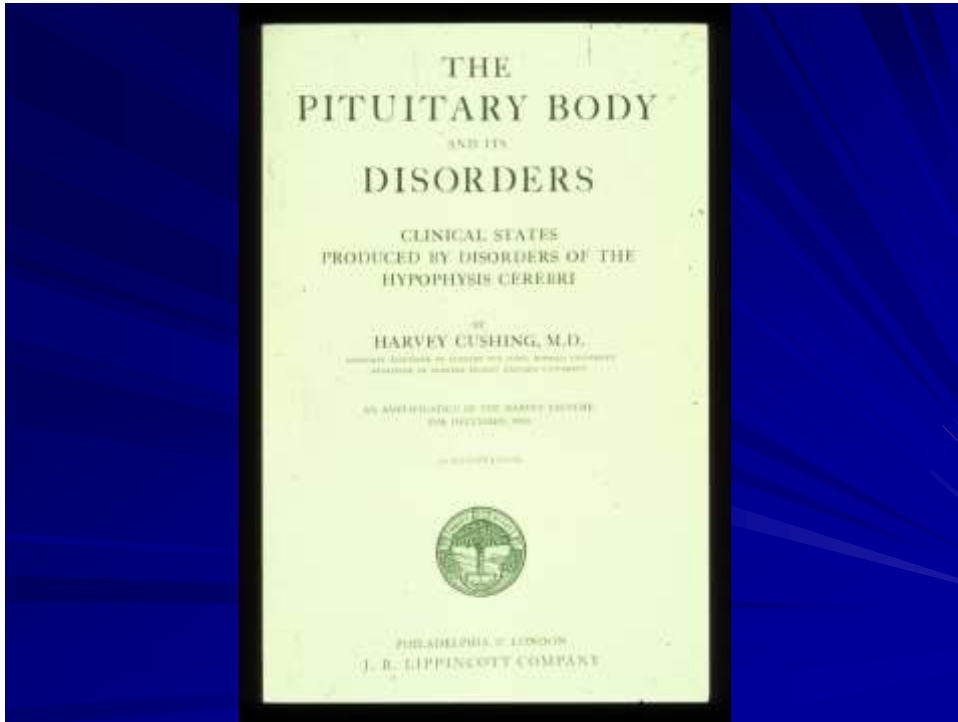


# What the Endocrinologist needs to know about Pituitary Surgery

Edward R. Laws, Jr., MD, FACS  
Brigham & Women's Hospital  
Harvard Medical School  
Boston

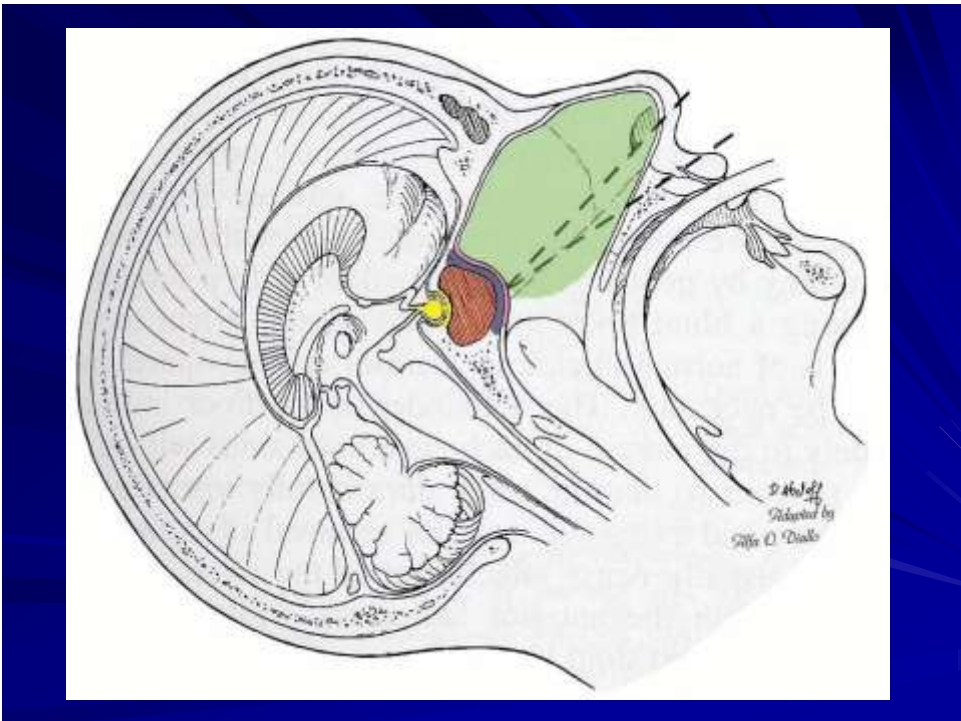






# The Microadenoma

Selective Microsurgical  
Removal



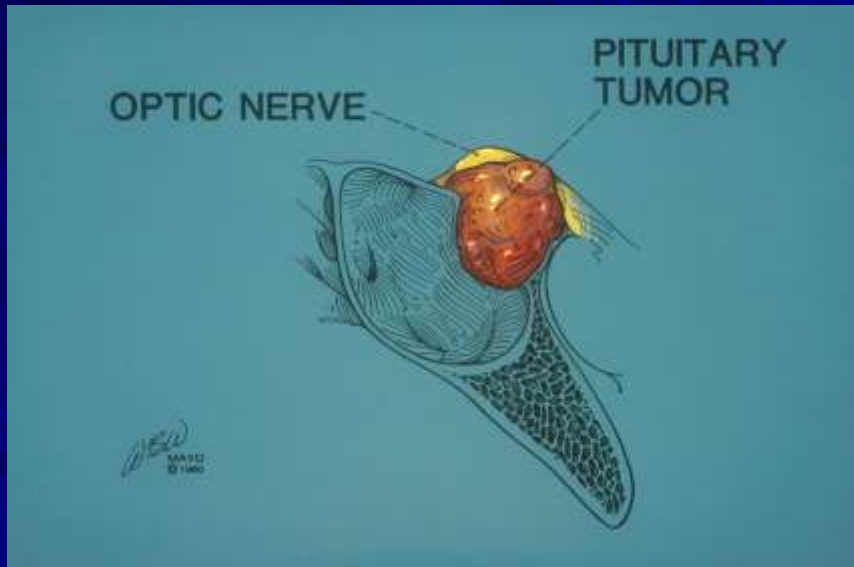
# Goals of Treatment of Pituitary Adenomas

- Relief of Mass Effect
- Normalization of Hormonal Hypersecretion
- Preservation/Restoration of Normal Pituitary Function
- Prevention of Recurrence
- Obtaining Tissue for Pathological and Scientific Study

## Indications for Surgery

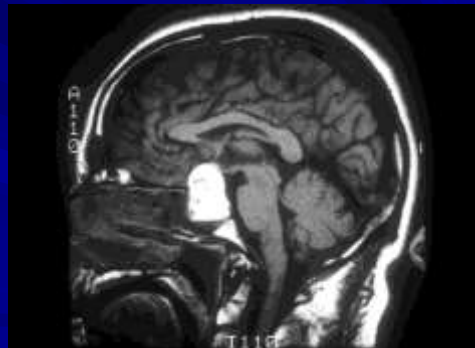
Specific Pituitary Lesions

## Non – Functioning Adenoma



## Indications for Surgery

- Mass Effect – Visual Loss
- Incapacitating Headache
- Hypopituitarism
- Pituitary Tumor Apoplexy





## Indications for Surgery Acromegaly

- Active Acromegaly
- Mass Effect – Visual Loss
- Hypopituitarism
- Pituitary Tumor Apoplexy



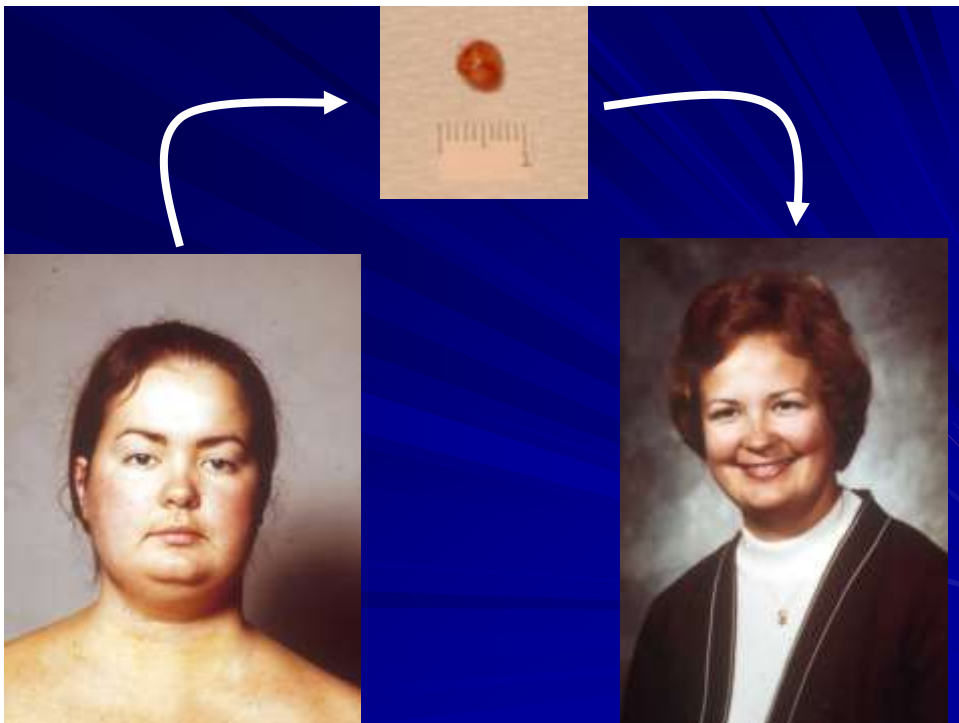
## Indications for Surgery Prolactinomas

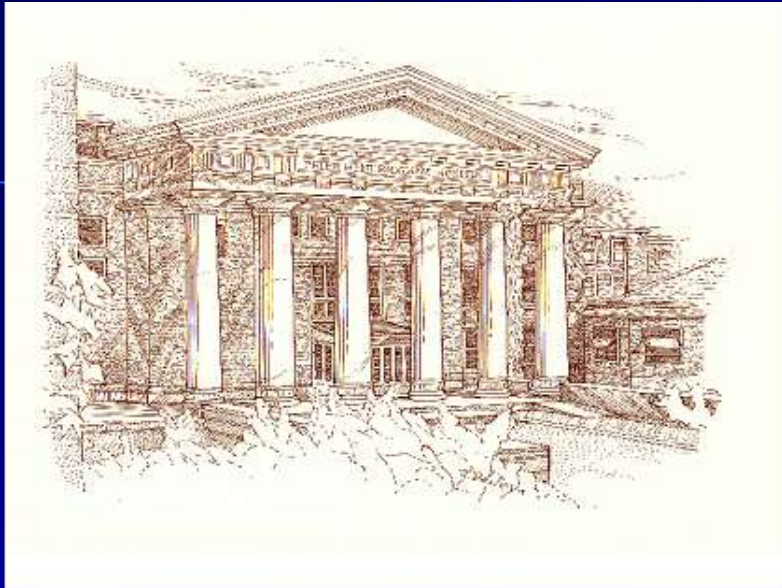
- Hyporesponsiveness to Dopamine Agonists
- Intolerance of Medical Therapy
- Some Cystic Adenomas
- CSF Rhinorrhea
- Pituitary Tumor Apoplexy











BWH Pituitary/Neuroendocrine Center