What the Endocrinologist needs to know about Pituitary Surgery

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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

Prolactin Microadenoma