





## Adenomi dell'ipofisi

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### **Epidemiologia**

• Gli adenomi dell'ipofisi sono circa 8% di tutti i tumori intracranici. Incidentalomi ipofisari sono stati ritrovati in circa il 10% delle serie autoptiche.

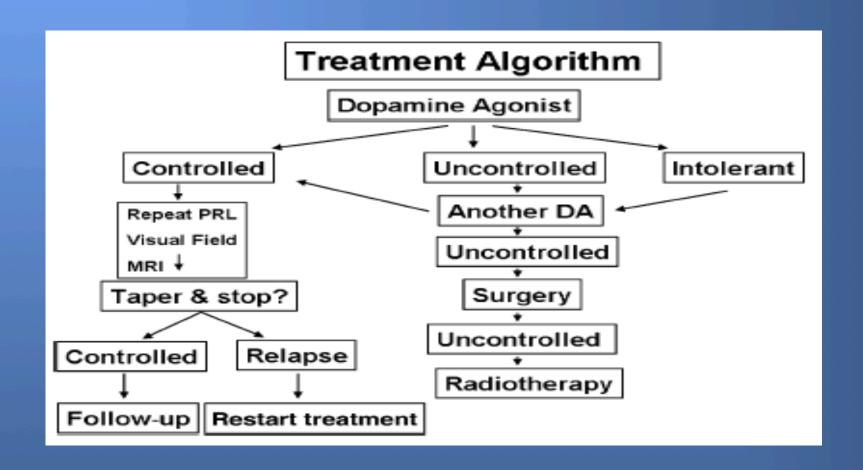
• Circa il 45% dei tumori ipofisari sono prolattinomi, 10% sono tumori secernenti GH, il 30% sono tumori non secernenti, 5% sono tumori secernenti ACTH, 10% i tumori secernenti GH-PRL, TSH, FSH, LH.

# Adenomi dell'ipofisi sottoposti a trattamento medico

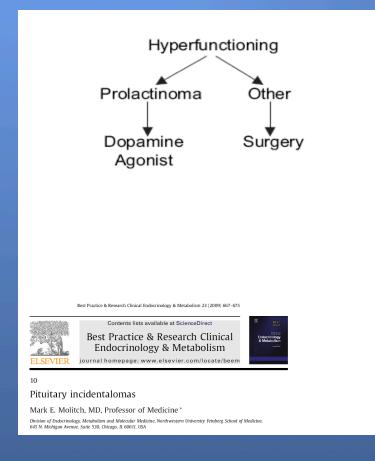
Pazienti sottoposti ad intervento chirurgico

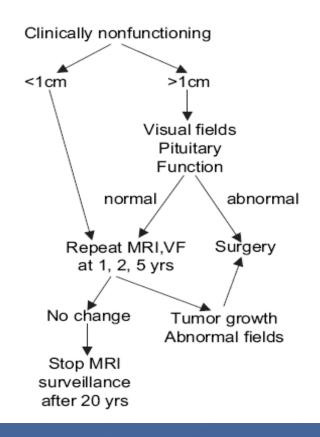
Trattamento chirurgico e radioterapico

### Adenomi secernenti

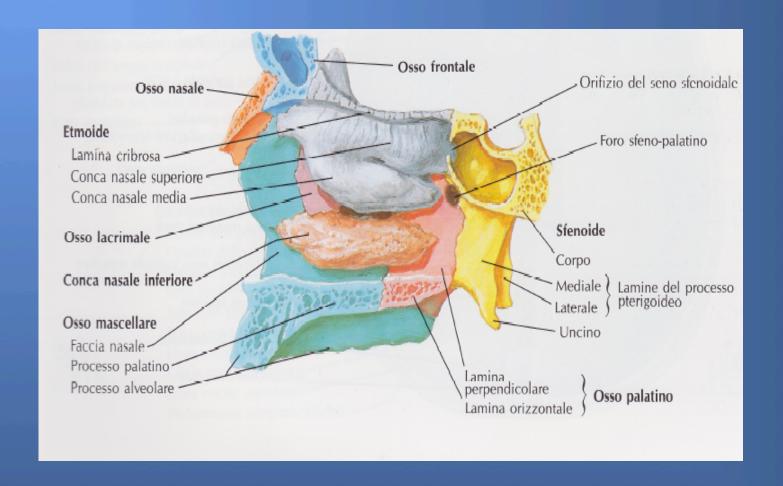


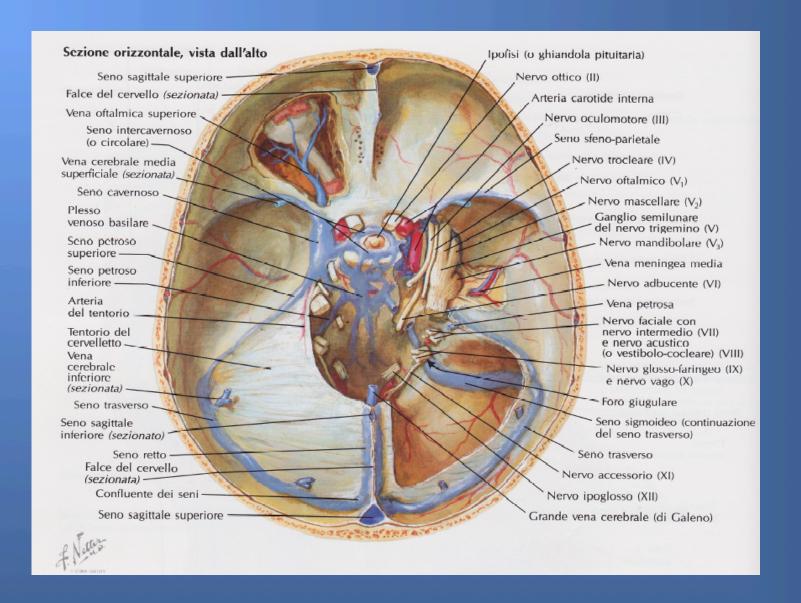
### Adenomi non secernenti

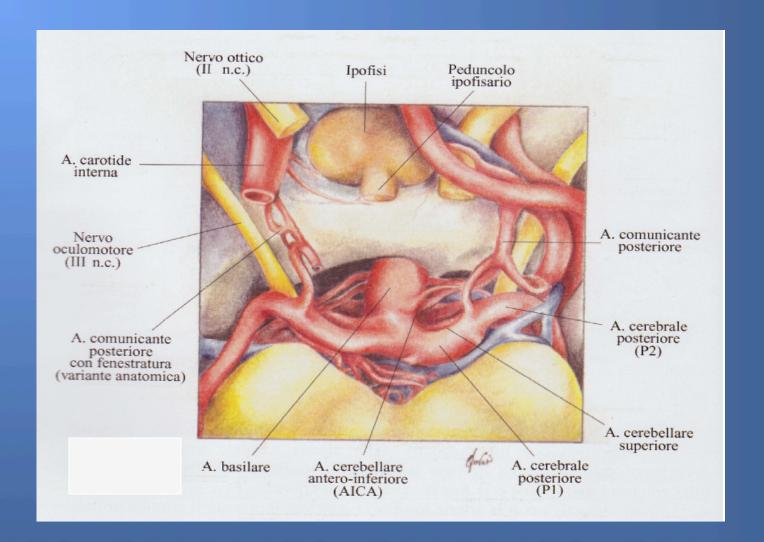


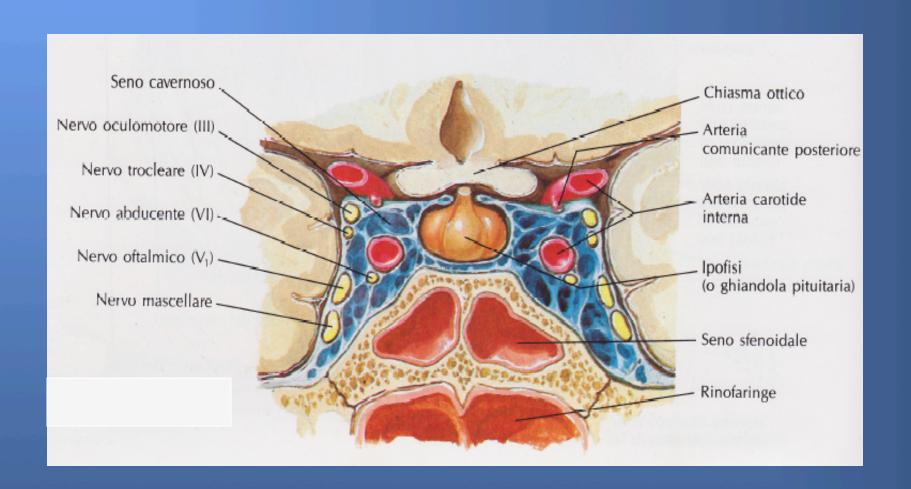


### **Anatomia**









# Obiettivi del trattamento chirurgico:

- Recupero deficit visivi
- Resezione della massa tumorale, istologia e studio immunoistochimico
- Preservare la funzione pituitarica
- Plastica basicranio

### Indicazioni

- Perdita acuta del visus, deterioramento neurologico (apoplessia pituitarica)
- Oftalmoplegia
- Progressiva riduzione del campo visivo
- Prolattinomi non controllati dalla terapia medica
- Acromegalia
- Primary Cushing's disease
- Macroadenomi non secernenti
- Sindrome da ipertensione endocranica da voluminosi macroadenomi

# Approccio conservativo

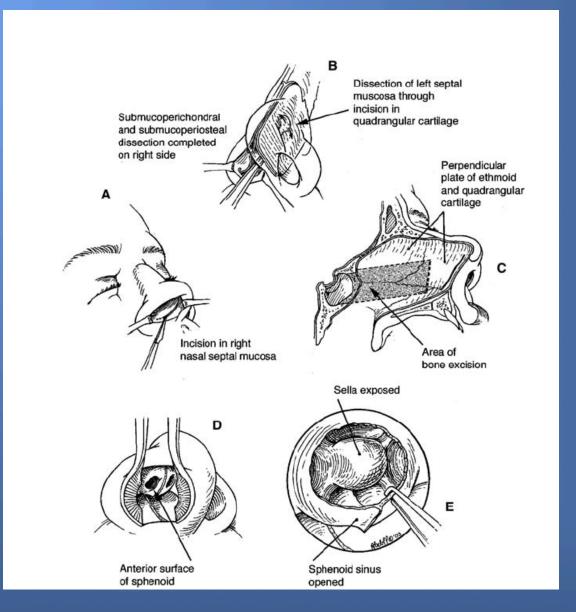
• Incidentalomi intrasellari (<10mm)

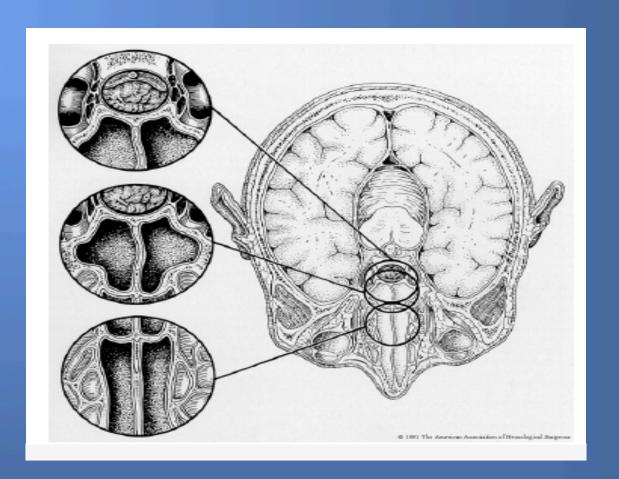
### Trattamento chirurgico

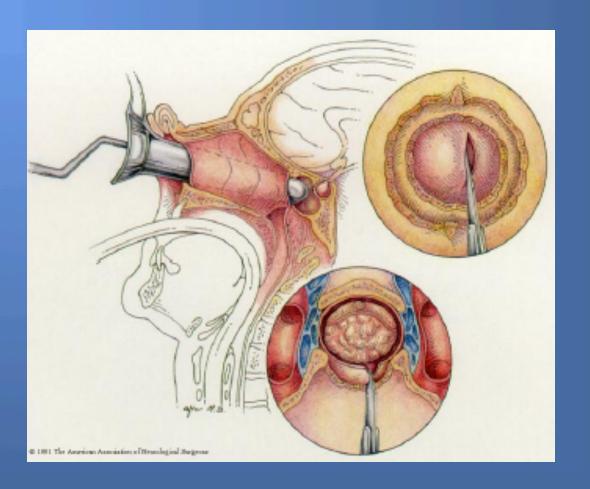
- Approccio trans-naso-sfenoidale
- Varianti: Translabiale, Extended transnasosfenoidale, Endoscopico
- Transcranico: Frontale, Pterionale

# Trans-naso-sfenoidale

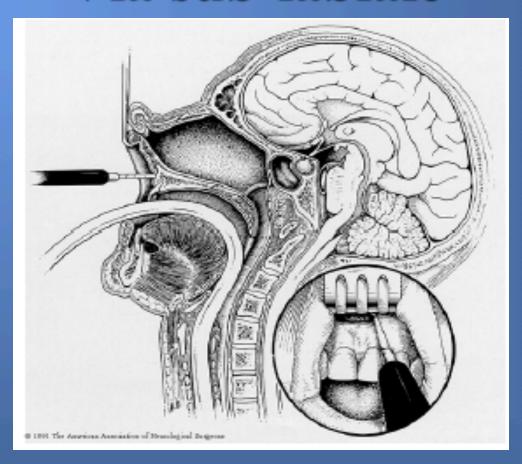






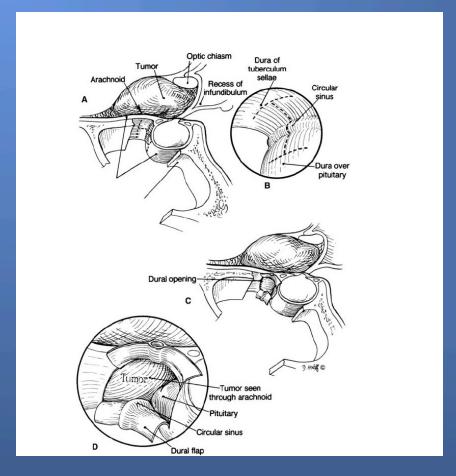


## Via sub-labiale

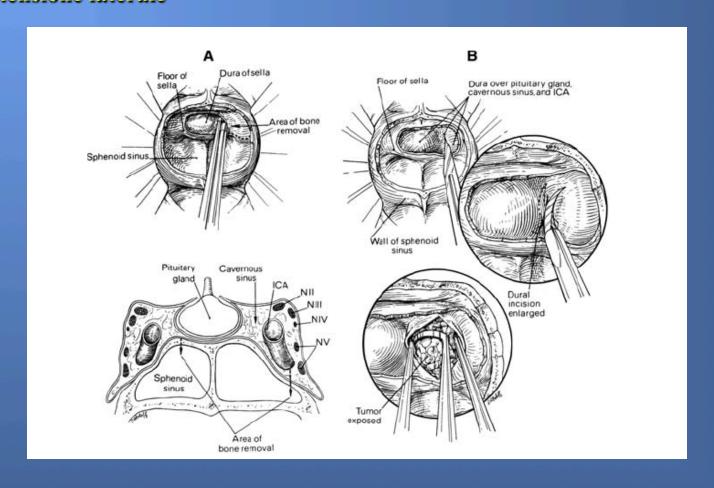


### Extended transphenoidal surgery

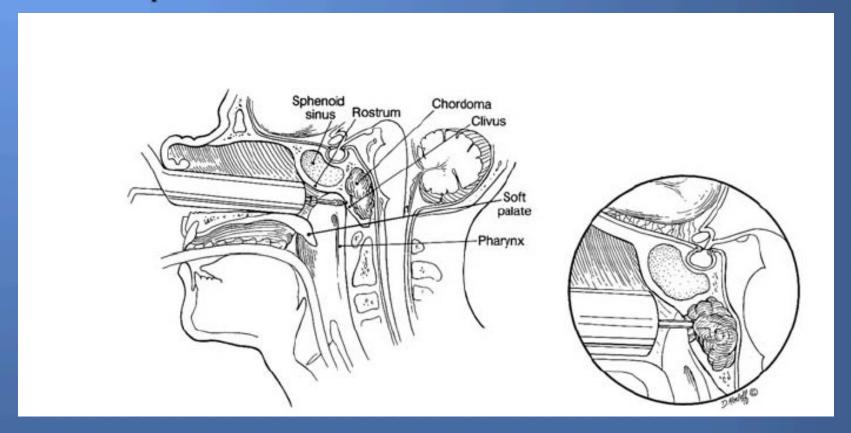
• Estensione anteriore



#### Estensione laterale



#### • Estensione posteriore



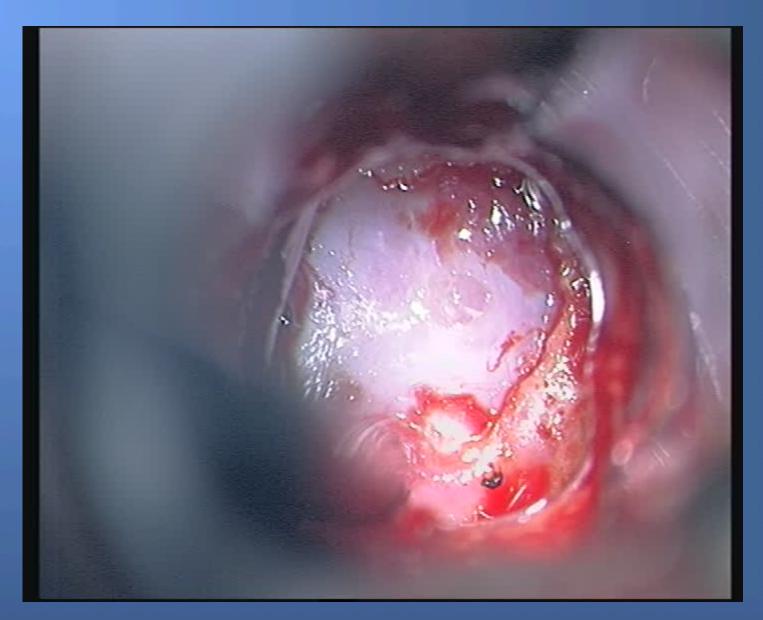
### Endoscopia

#### Pro

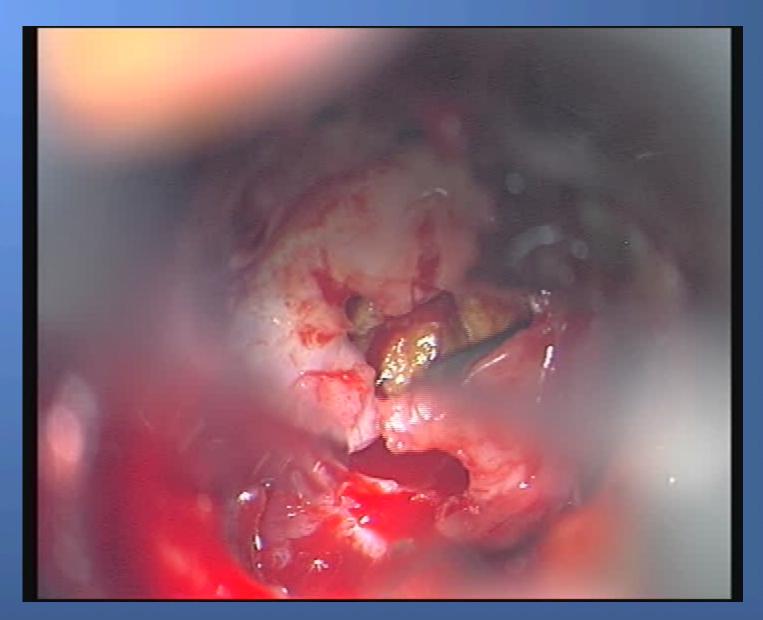
- Non usa speculum endonasale
- Migliore visione panoramica
- Ridotto traumatismo della mucosa, spesso non necessario tamponamento nasale

#### **Contro**

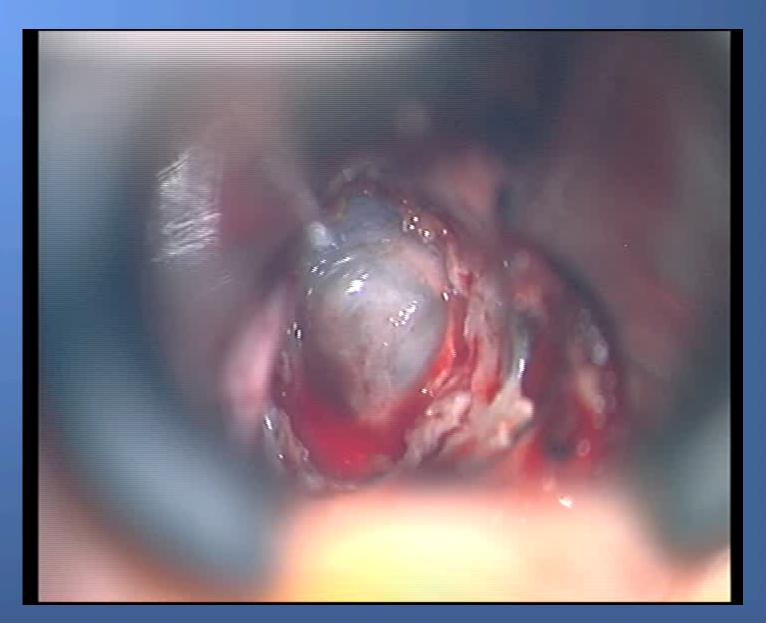
- Visione bidimensionale
- Curva di apprendimento
- Aumentato rischio rinoliquorrea



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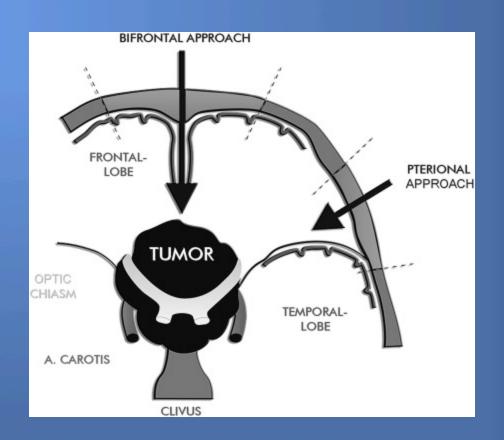
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### Approccio transcranico

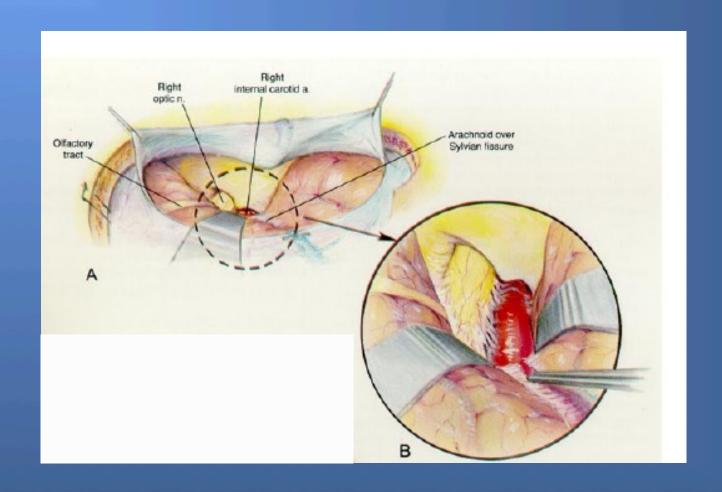
- Tumore prevalentemente ad espansione sovrasellare (>3cm sopra il planum sfenoidale)
- Estensione del tumore a livello della fossa cranica media
- Nei casi in cui l'approccio transnasale è controindicato es. sinusiti sfenoidali
- Patologie non correlate ma che potrebbero complicare l'approccio transfenoidale: casi rari es aneurismi parasellari, "kissing carotid arteries".
- Invasione delle strutture vascolari (arteria carotide, A1 etc...)
- Estensione al terzo ventricolo



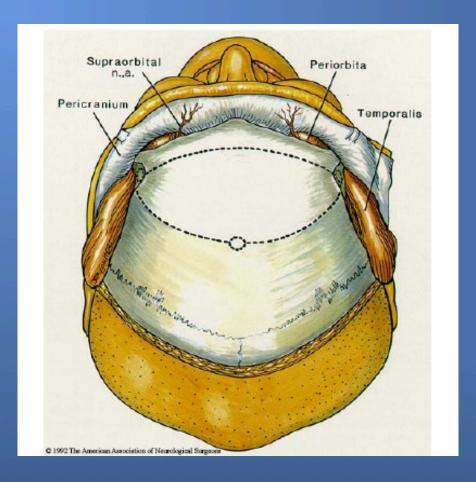
# Approccio Pterionale

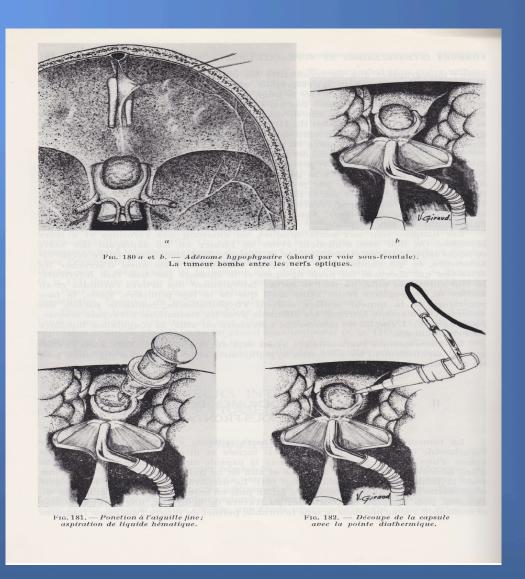


### Approccio Pterionale



# Approccio subfrontale





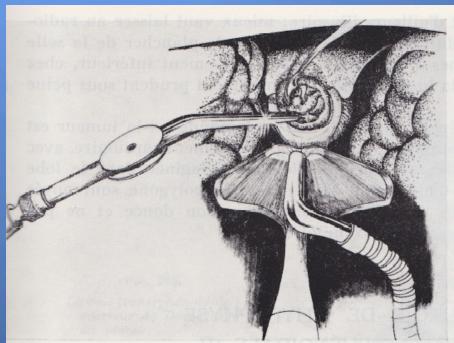


Fig. 183. — Curetage et aspiration de l'adénome.

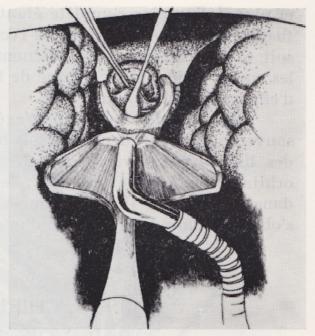
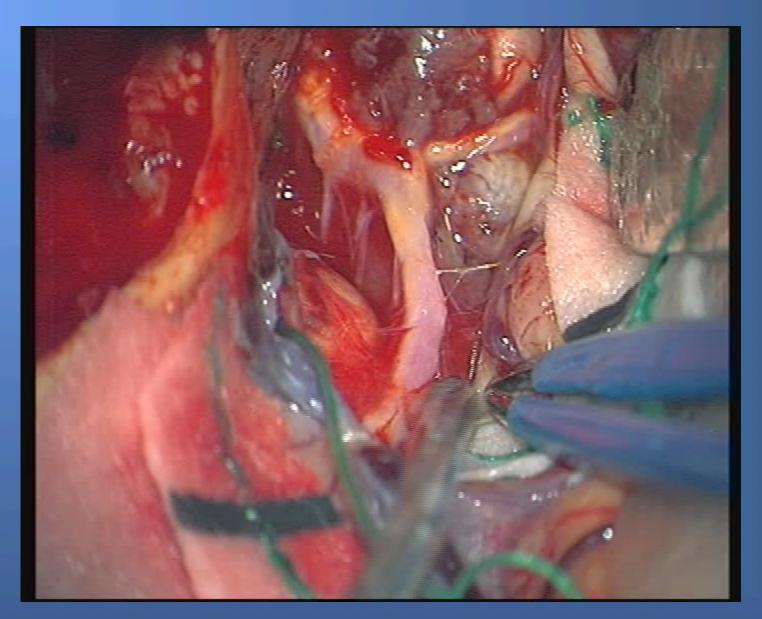
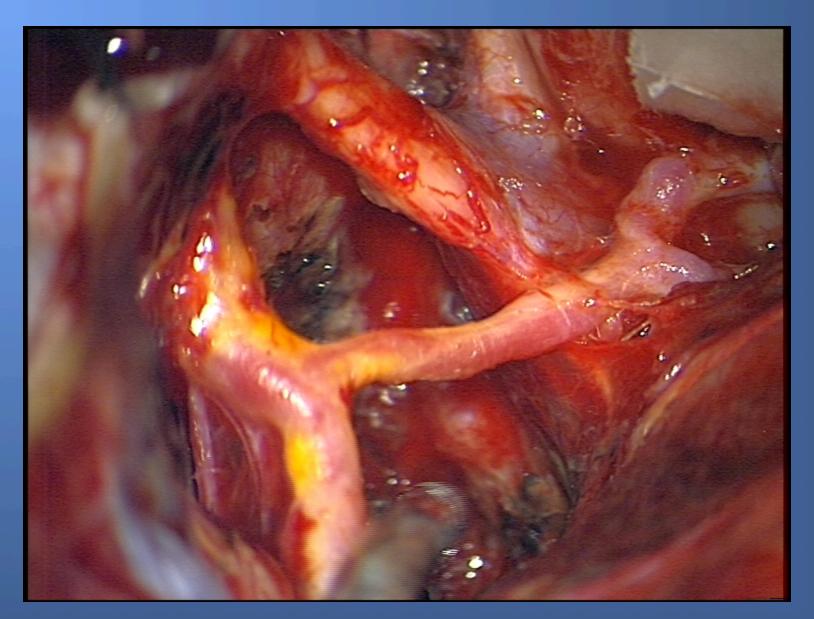


Fig. 184. — Une spatule décolle la capsule sous l'hypothalamus, en même temps qu'une pince l'attire vers l'avant.



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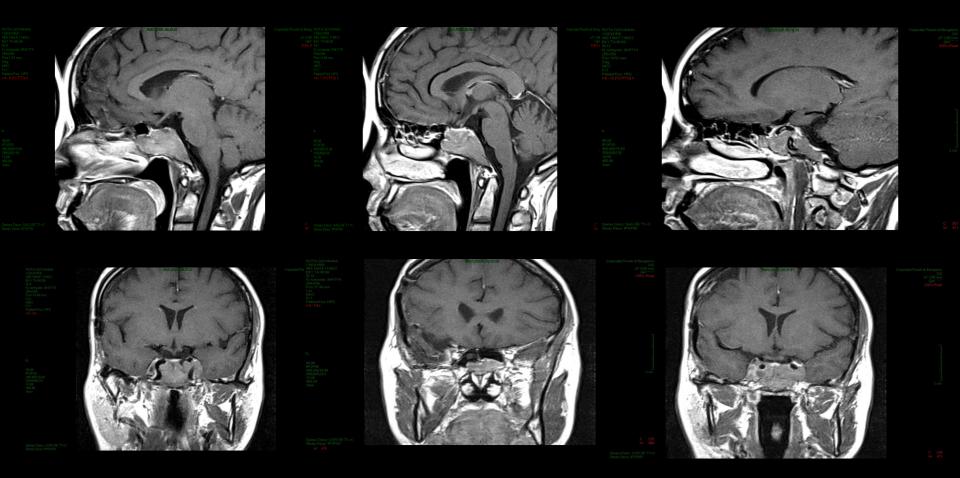
# Re-intervento: via trans-naso sfenoidale

- Residuo in crescita con compressione chiasma ottico
- Recidiva a distanza
- Deficit visivo
- Non estensione alla fossa cranica media

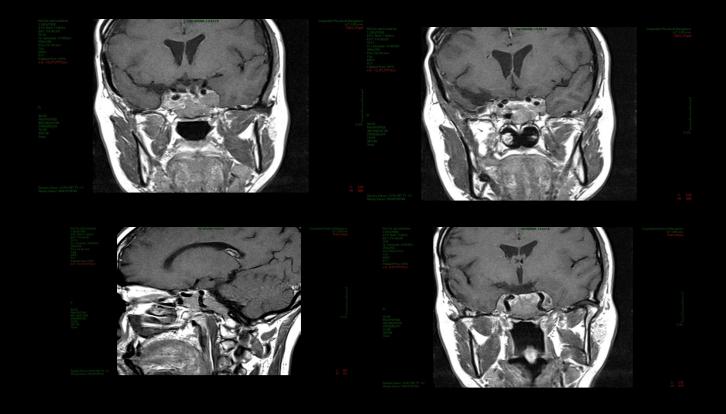
### Re-intervento: via transcranica

- Estensione alla fossa cranica media o al terzo ventricolo
- Grave deficit visivo
- Insuccessi di plastica del basicranio via transnasale

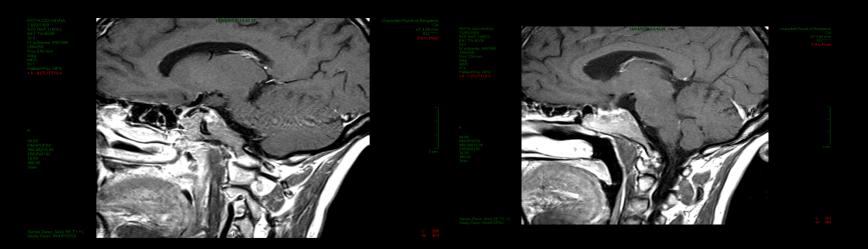
# 2008

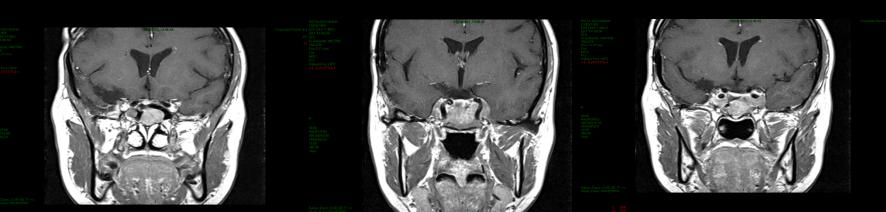


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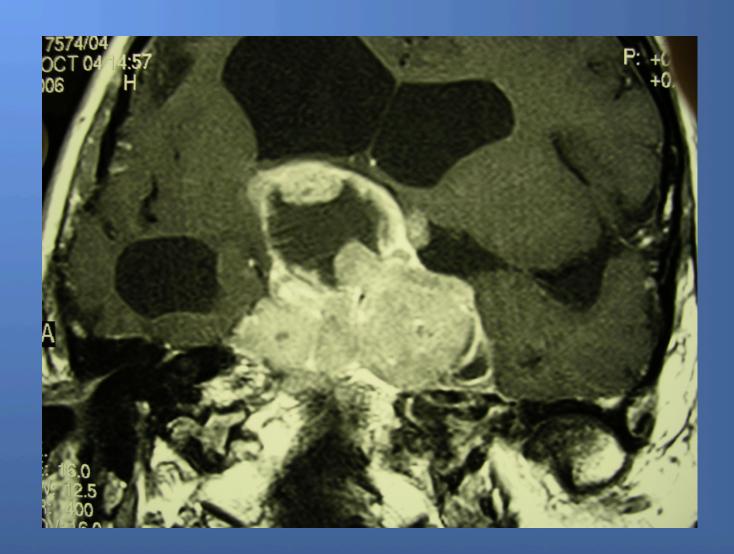


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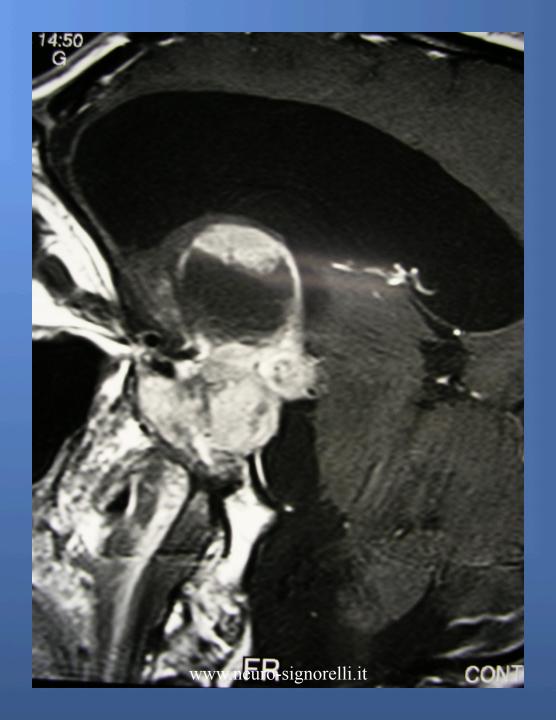


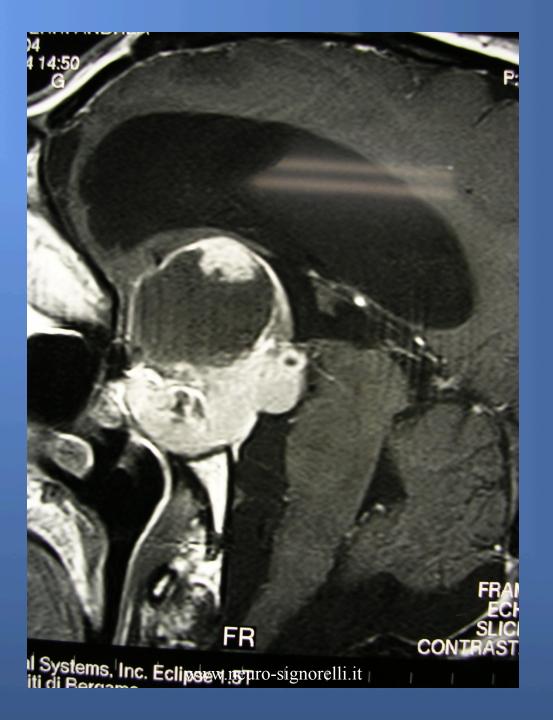


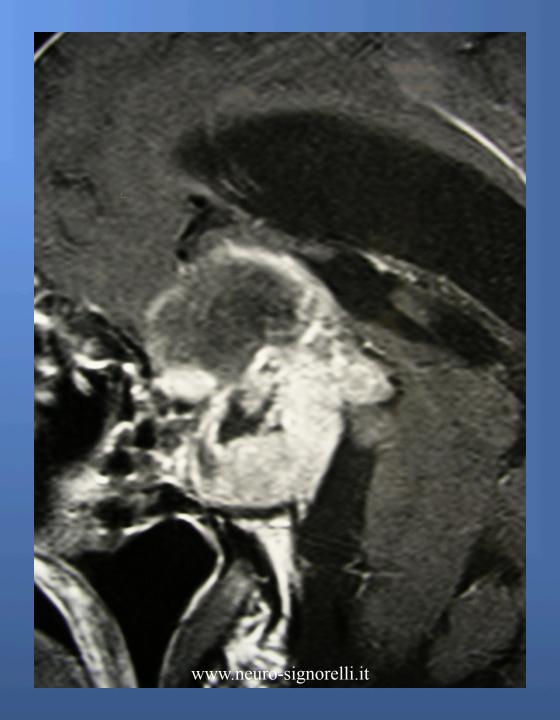
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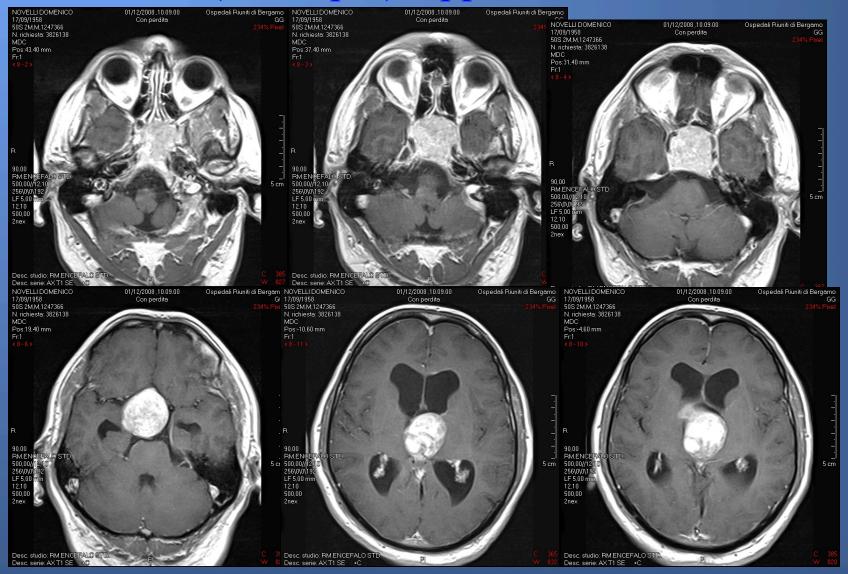
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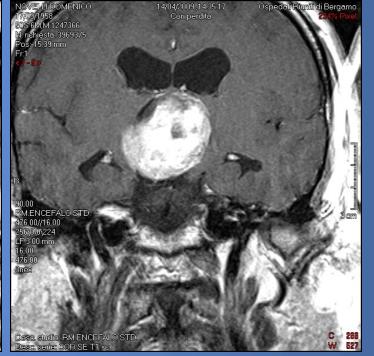




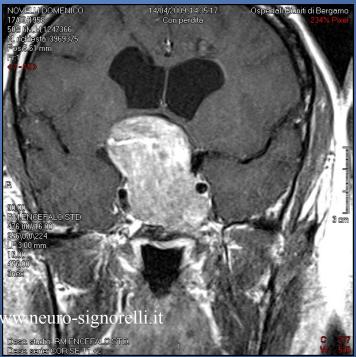
# Macro adenoma con componente sovrasellare (RMN pre) Approccio Sub frontale



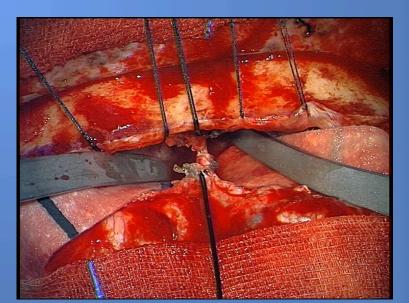


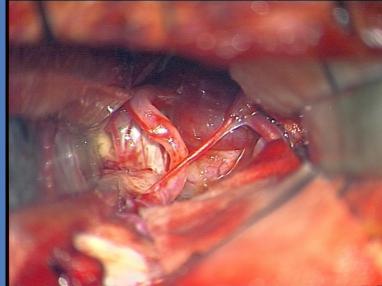


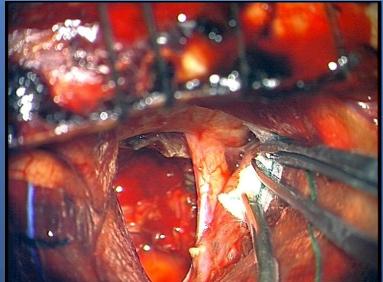


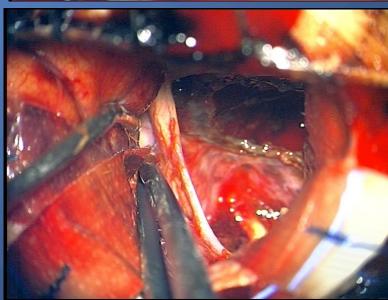


# Intra operatorio



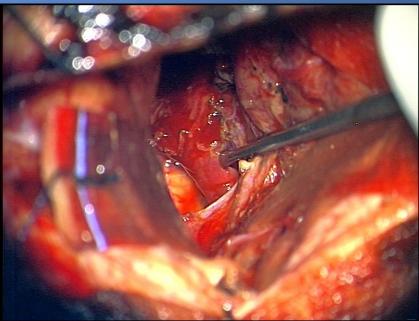


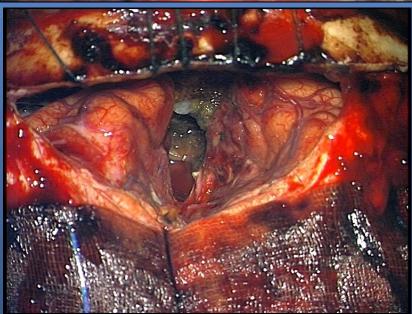




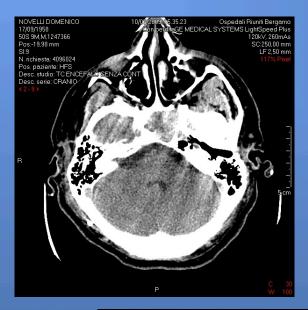
# Intra operatorio







### Tc Post Op









## Adenoma ipofisario Transfenoidale



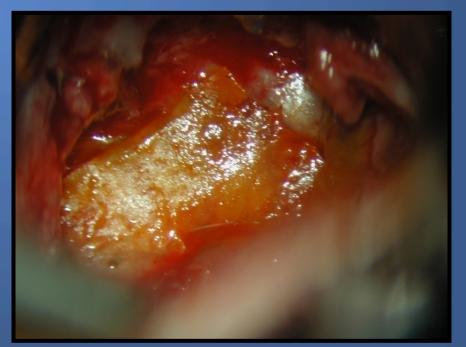




#### Ricostruzione con tissodu e tisseel

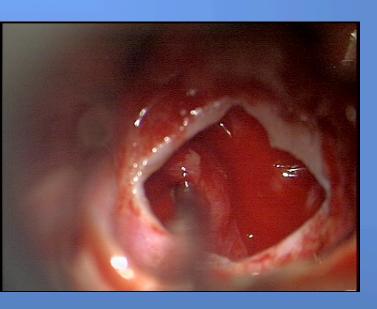




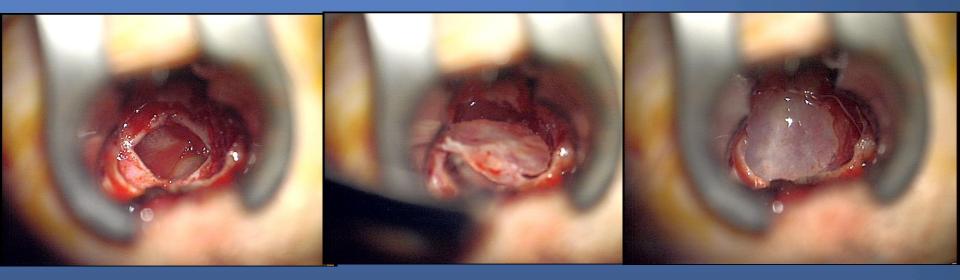


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#### Intra operatorio

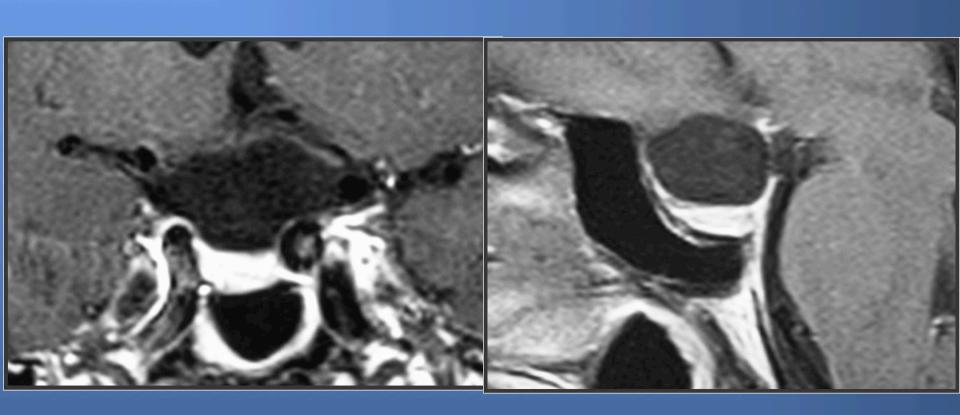






Posizionamento di lembo osseo libero

# Post Operatorio



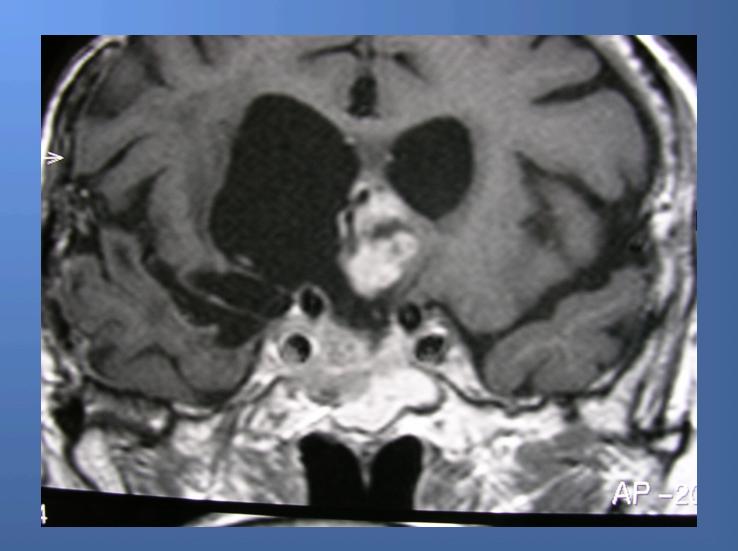
## Radioterapia

- Radiochirurgia stereotassica
- Trattamento radioterapico frazionato
- Gammaknife, fotoni, cyberknife, protoni

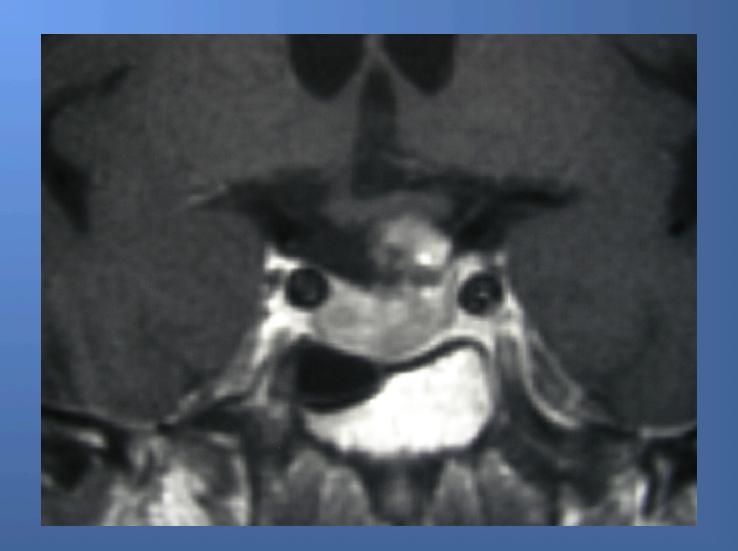
## Radioterapia

Quando le opzioni chirurgiche sono esaurite?

 Pazienti non candidati alla chirurgia per condizioni cliniche scadenti o over 80 aa?



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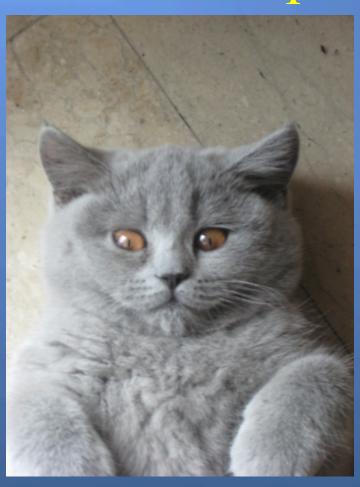
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#### Considerazioni

• Il trattamento radiante rende più complesso e con maggiore morbidità un successivo trattamento chirurgico

• Si può considerare il trattamento radiante la fase conclusiva di un controllo di malattia nell'adenoma

## Grazie per l'attenzione



Antonio Signorelli Neurochirurgia Bergamo