The following conclusion were obtained from the experience of over 70 cases for these 20 years.

**A. Indication**

1. Radical operation
   a) When the tumor is enlarged and located within the sella turcica
   b) When the tumor is comparatively located in the sella turcica

2. Conservative operation
   a) When the tumor is huge and the cranial extension of the tumor
   b) When the tumor is cystic and being made communication to the nasal cavity, trans-sphenoidal decompressin is done

3. Re-operation for the recurrence

**B. Complication during operation**

1. mass leakage of cerebro-spinal fluid
2. mass bleeding
3. erroneous puncture to the surrounding tissue
4. infectin
5. injury to A. carotis interna

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**e-21. Application of Carcinostatic Agents into the Cerebrospinal Fluid Space:**

**Experimental and Clinical Studies**

Masashi Fukui, Yoshiaki Takeno, Hirofumi Nagatomi, Takeo Fukushima and Katsutoshi Kitamura

*Department of Neurosurgery, Faculty of Medicine, Kyushu University*

Effects of carcinostatic agents on various tumors were examined determining the uptake ratio of tritiated-thymidine in organ-cultured materials.

Mitomycin C was constantly the most effective on various tumors. The response of the central nervous system to mitomycin C when administered through