

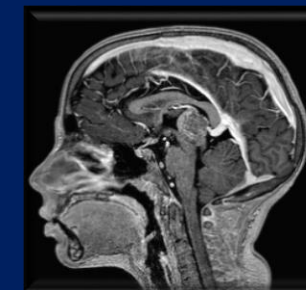
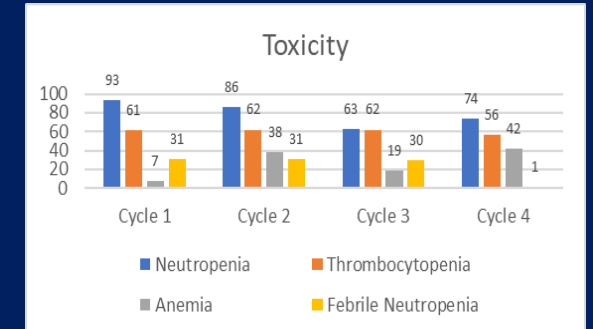
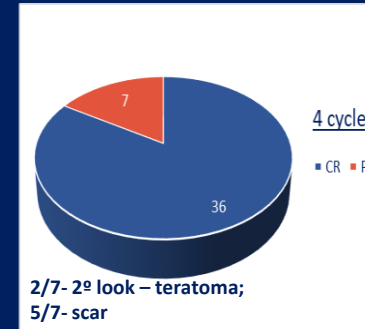
# Intracranial Germinoma Treatment according Brazilian Consortium Protocol

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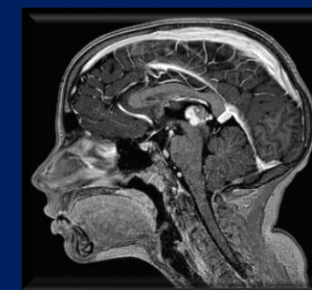
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**Introduction:** Primary central nervous system (CNS) germ cell tumors (GCT) account for 2-3% of brain tumors in children/adolescents in Western hemisphere and are classified according to histological components as germinomas and non-germinomatous germ cell tumors (NGGCT). **Methods:** Since 2013, 58 patients with histologic and/or tumor marker (TM) of CNSGCT were diagnosis, 43 of them were germinoma with/without HCGβ levels ≤ 200mIU/ml, five of them between 100-200mIU/ml.

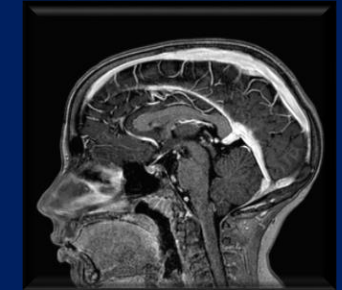
## Chemotherapy Response and Toxicity:



At diagnosis-Bifocal tu  
CSFHCGβ 144mIU/ml;  
Ser HCGβ -125mIU/ml

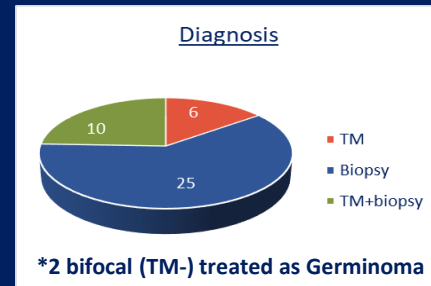
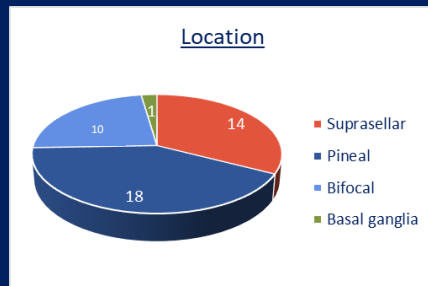


After 2 cycles- PR  
CSF HCGβ- 5 mIU/ml  
Serum HCGβ (-)



After s 4 cycles- CR -> RT  
CSF/ erum HCGβ (-)  
6 years out of treatment.

**Results:** Mean age 13,2 years, 29 males.



**EF and OS 40m follow-up- 100%**

**Conclusion:** The treatment is tolerable and VFI dose reduction to 18Gy seems to preserve efficacy even in the cases of HCG levels between 100-200mIU/ml.