## PRIMARY BRAIN SARCOMA IN THE PEDIATRIC POPULATION: SPECTRUM OF CT AND MRI FINDINGS OF A RARE TYPE OF TUMOR

(1) Supratentorial and peripheral are the most frequent locations


Both are of supratentorial location


Peripheral location: At the cortical-subcortical junction
... rarely, it can have a midline location


Heterogeneous appearance with
2 solid and cystic component
but...
3 with well-defined margins (and also hemorrhagic component!)

Solid component

Cystic component


Solid component

Important hemorrhagic component


Better noted in MRI images


Solid component

Cystic component

Hemorrhagic component


## 4) Hemorrhagic component is a major imaging feature of brain sarcomas

Most frequently present as:
Intralesional hemorrhage


But also: Hemosiderin border


And: Micro-hemorrhagic component
(T2* sequences are very useful)

(5) Heterogeneous enhancing lesion and cystic components
Because of its various type of components, brain sarcomas shows heterogeneous enhancement with avid enhancement of the solid component


Other features:

## Mild restricted diffusion

## Evolution

Recurrence is very rare in brain sarcomas

Unusual imaging features:
Calcifications


Leptomeningeal spread is also unusual



## Poor enhancement



