

Table S1. MRI semantic features used in the study

Radiological parameters	MRI features
Site	<ul style="list-style-type: none">a. Supratentorialb. Infratentorialc. Both
Depth	<ul style="list-style-type: none">a. Subcorticalb. Deepc. Both
Side	<ul style="list-style-type: none">a. Leftb. Rightc. Bilateral
Consistency	<ul style="list-style-type: none">a. Solid-intermediate signal on T1W and low signal on T2W. Isointense on FLAIR.b. Cystic-low T1W and high T2W signal; loses signal on the FLAIR sequence.c. Mixed-admixture of both.
T1W morphology	<ul style="list-style-type: none">a. Hyperintenseb. Hypointensec. Isointense
T2W morphology	<ul style="list-style-type: none">a. Hyperintenseb. Hypointensec. Heterogeneous
T2W borders	<ul style="list-style-type: none">a. Fuzzy borders-irregular margins.

	<ul style="list-style-type: none"> b. Defined borders-smooth margins.
Edema and mass effect	<ul style="list-style-type: none"> a. None b. Mild c. Moderate d. Significant
Hemorrhage and necrosis	<ul style="list-style-type: none"> a. Present-tumor has an area of internal high or isolated T1 and low T2; area of internal high T1 and high T2; area of internal low T1 and low T2. Takes into account that the signal characteristics differ depending on the age of the hemorrhage. SWI sequences were also used. b. Absent
Grade of necrosis	<ul style="list-style-type: none"> a. None b. < 25% c. 25–50% d. > 50%
Enhancement pattern	<ul style="list-style-type: none"> a. Ring-thick enhancing rim on post-gadolinium T1W. b. Patchy-focal areas of contrast enhancement within the tumour. c. Homogeneous enhancement within tumour.
Diffusion restriction	<ul style="list-style-type: none"> a. Complete-homogeneous restricted diffusion. b. Central-predominantly in central solid part of lesion.

	<p>c. Peripheral-hyperintense signal of the peripheral solid rim.</p> <p>d. None-no areas of restricted diffusion.</p>
Meningeal involvement	<p>a. Present-enhancement of the leptomeninges, small enhancing nodules/seeding along the pia/arachnoid.</p> <p>b. Absent</p>