Supplementary File 2

MRI-based evaluation of malignant TLGs

Feature number	Name	Description	Options
F1a*	**Tumor core assessed by T_1 with contrast**	**Mediobasal** Lesions occupying structures lying medial to and immediately lateral to the collateral sulcus including amygdala, hippocampus, parahippocampus and fusiform gyrus. **Insular-temporo-opercular** More lateral lesions located in the temporal stem involving the insula or temporo-opercular regions **Orbitofrontal-Insular-Temporal pole** Larger tumors extending into the frontal lobe including the basal ganglia **Non-limbic lateral** All other tumors of the temporal lobe including lesions occupying T1-T3 with possible extension into other lobes	**0= -** **1= mbT** **2= I-TO** **3= FO-I-TP** **4= nl-lT**
F1b		**Affection of the amygdalo-hippocampal complex**	**0= -** **1= No** **2= Yes**
F2a*	**Tumor extension assessed by T_2/FLAIR signal-abnormality**	**Mediobasal** Lesions occupying structures lying medial to and immediately lateral to the collateral sulcus including amygdala, hippocampus, parahippocampus and fusiform gyrus. **Insular-temporo-opercular** More lateral lesions located in the temporal stem involving the insula or temporo-opercular regions	**0= -** **1= mbT** **2= I-TO** **3= FO-I-TP** **4= nl-lT**

		Orbitofrontal-Insular-Temporal pole Larger tumors extending into the frontal lobe including the basal ganglia **Non-limbic lateral** All other tumors of the temporal lobe including lesions occupying T1-T3 with possible extension into other lobes	
F2b		**Affection of the amygdalo-hippocampal complex**	**0= -** **1= No** **2= Yes**
F3¤	**Tumor side**	Side of lesion epicenter	**0= -** **1= right** **2= left** **3= bilateral**
F4¤	**Satellites**	An area of enhancement within the region of T2/FLAIR signal abnormality surrounding the dominant lesion but not contiguous in any part with the major tumor mass.	**0= -** **1= No** **2= Yes**
F5¤	**Multifocal or multicentric**	**Multifocal**: as having at least one region of tumor, either enhancing or non-enhancing, which is not contiguous with the dominant lesion and is outside the region of T2/FLAIR signal abnormality. **Multicentric**: widely separated lesions in different lobes or different hemispheres.	**0= -** **1= multifocal** **2= multicentric**
F6¤	**Ependymal enhancement/SVZ+**	Invasion of any adjacent ependymal surface in continuity with enhancing or non-enhancing tumor matrix	**0= -** **1= No** **2= Yes**

* F1a and F2a modified or adapted from:
- Yasargil, M.G. et al., Acta Neurochir, 1992. **118**(1-2): p. 40-52.
- Capizzano, A.A. et al., Clin Neuroradiol, 2015. **25**(2): p. 127-35.

¤ F3-F6 adapted from VASARI.