A. Semantic Collapse (Baseline)
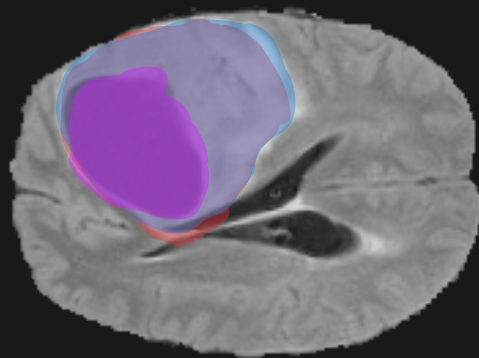
Result: Segments the whole tumor on L3

B. SemantiBench Levels

L1 Atomic
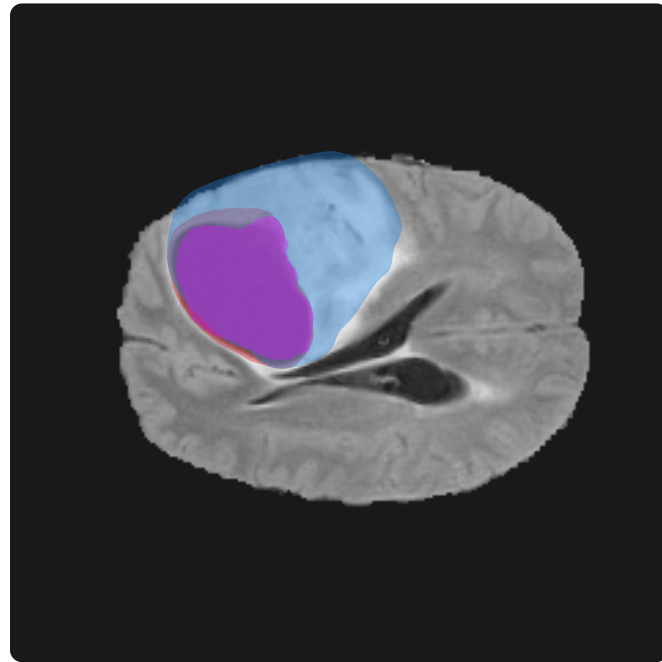*"Segment the brain tumor visible in this MRI slice"*

L2 Descriptive
"Segment the necrotic brain tumor with a dark central region and a brighter surrounding area"

L3 Complex
"Segment the necrotic tumor core that appears hypointense relative to the surrounding enhancing tissue"

C. FreqMedClip (Ours)

Result: Correctly segments only the core on L3