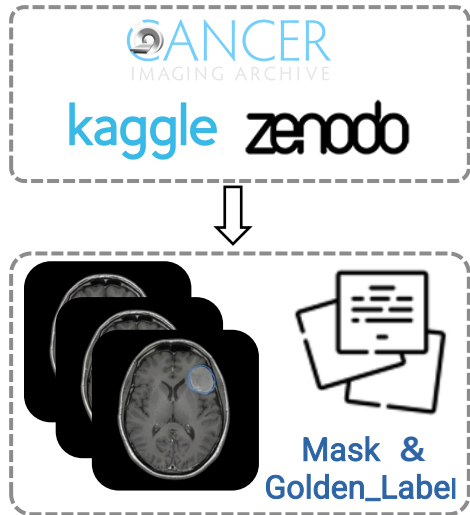


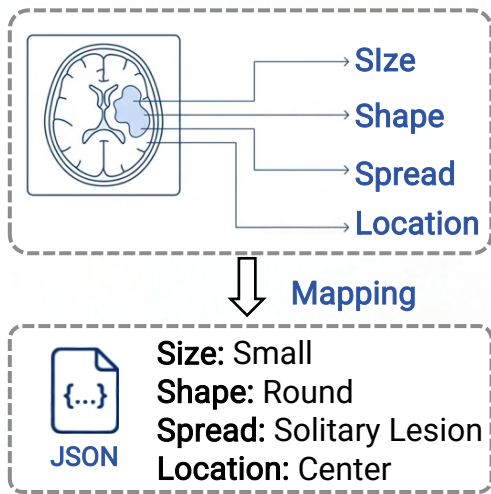
## I .Curation & Indexing

Public Brain MRI Data

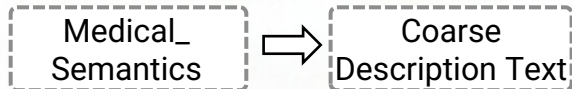


## II .Semantics & Descriptions

Mask To Medical Semantic

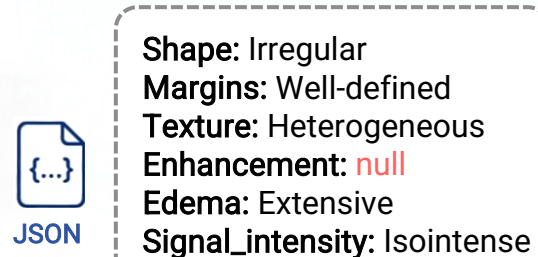


JSON to Text Descriptions

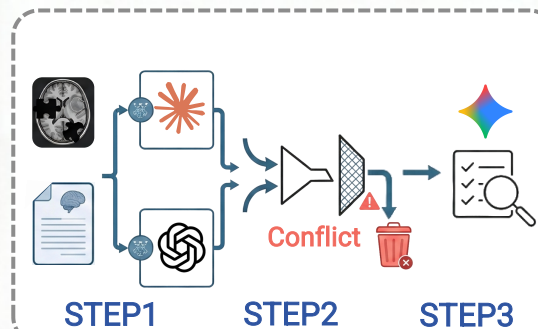


## III. Refinement & QC

Extracted Silver-label Information

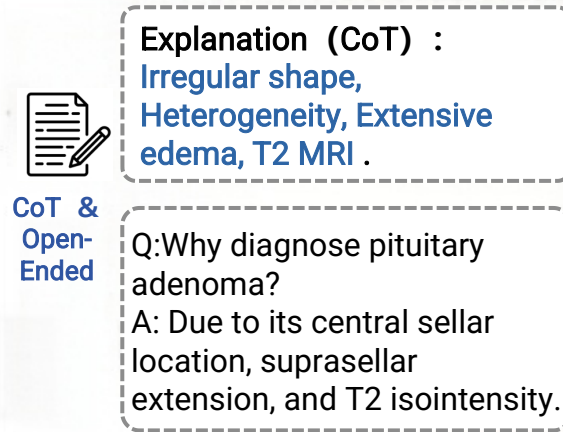


Multi-model Processing Pipeline



## IV. Instruction Construction

Visual QA Generation



Generation Strategy

