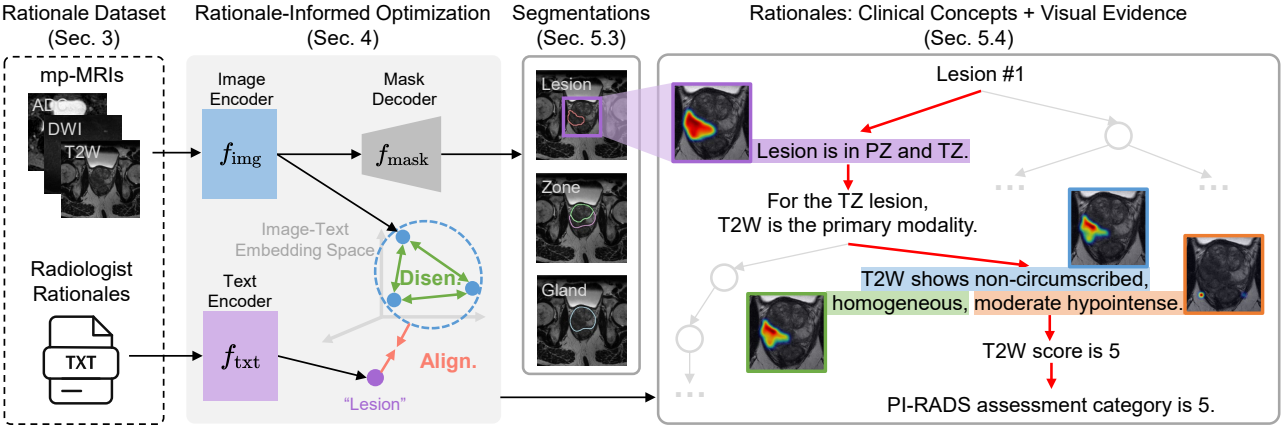
Rationale Dataset
(Sec. 3)
mp-MRIs
ADC
DWI
T2W
Radiologist
Rationales
TXT
Rationale-Informed Optimization
(Sec. 4)
Image
Encoder
f_{img}
Mask
Decoder
f_{mask}
Image-Text
Embedding Space
Disen.
Text
Encoder
f_{txt}
Align.
"Lesion"
Segmentations
(Sec. 5.3)
Lesion
Zone
Gland
Rationales: Clinical Concepts + Visual Evidence
(Sec. 5.4)
Lesion #1
Lesion is in PZ and TZ.
For the TZ lesion,
T2W is the primary modality.
T2W shows non-circumscribed,
homogeneous, moderate hypointense.
T2W score is 5
PI-RADS assessment category is 5.