

Table S1: Anatomy-to-Pathology index search list

Lung	Vascular Congestion, Pleural Effusion, Lung Opacity, Air Collection, Edema, Infection, Heart Failure, Pneumonia, Consolidation, Atelectasis, Granuloma, Emphysema, Hematoma, Fracture
Upper Lung	Pneumothorax
Mid Lung	Pneumothorax, Pleural Effusion
Lower Lung	Pleural Effusion
Hilar Structures	Hilar Congestion
Apical Zone	Pneumothorax
Costophrenic Angle	Blunting of the Costophrenic Angle, Pleural Effusion
Hemidiaphragm	Gastric Distention, Pleural Thickening, Hernia
Trachea	Infection, Scoliosis
Clavicle	Hematoma, Fracture
Aortic Arch	Calcification, Tortuosity of the Descending Aorta, Tortuosity of the Thoracic Aorta
Upper Mediastinum	Calcification, Thymoma, Scoliosis, Tortuosity of the Descending Aorta, Tortuosity of the Thoracic Aorta, Vascular Congestion, Pneumomediastinum
SVC	Vascular Congestion
Cardiac Silhouette	Heart Failure, Enlargement of the Cardiac Silhouette, Hypertensive Heart Disease, Cardiomegaly, Scoliosis
Cavoatrial Junction	Hypertensive Heart Disease
Right Atrium	Heart Failure
Carina	Vascular Congestion

Table S2: Ablation results: (Left) Number of top retrievals K ; (Right) Trade-off parameter λ

Metrics	1	3	5	7	9	Metrics	0.05	0.1	0.5	1.0	5.0
Bleu-1	69.9	68.8	70.5	68.0	67.6	Bleu-1	70.3	69.9	70.5	70.1	69.6
Bleu-2	62.6	61.6	63.3	61.2	60.6	Bleu-2	62.9	62.6	63.3	62.9	62.9
Bleu-3	56.6	55.6	57.2	55.4	54.9	Bleu-3	56.8	56.6	57.2	56.9	56.1
Bleu-4	51.0	50.1	51.7	50.0	49.6	Bleu-4	51.2	51.0	51.7	51.3	51.2
METEOR	38.7	38.4	38.1	39.1	39.7	METEOR	37.7	37.5	38.1	38.1	37.3
ROUGEL	65.0	64.2	65.1	64.9	65.0	ROUGEL	64.7	65.0	65.1	65.0	64.1
CIDEr	168.5	170.9	180.4	167.6	166.7	CIDEr	180.0	180.1	180.4	181.5	176.9

Ref	Main	EKAID	RegioMix(Ours)	GT
		<p>the main image has additional findings of edema , and cardiomegaly than the reference image . the main image is missing the findings of atelectasis , and lung opacity than the reference image .</p>	<p>the main image has an additional finding of cardiomegaly than the reference image . the main image is missing the findings of pleural effusion , and atelectasis than the reference image .</p>	<p>the main image has an additional finding of cardiomegaly than the reference image . the main image is missing the findings of pleural effusion , and fracture than the reference image .</p>
		<p>the main image is missing the findings of lung opacity , and atelectasis than the reference image .</p>	<p>the main image is missing the findings of lung opacity , and pneumonia than the reference image .</p>	<p>the main image is missing the findings of lung opacity , and pneumonia than the reference image .</p>

Fig. S1: Further examples of answers generated.