

Spondylolisthesis

Cervical Kyphosis

Vertebral collapse

Osteophytes

Totally 11 kinds of spine-specific diseases in 4 spinal segments

Spinal Regions

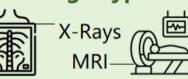
Cervical Spine

Thoracic Spine
Lumbar Spine

Sacrum



Image Types



Data Source

BUU-LSPINE RSNA

VinDr-SpineXR CSXA



Generate 64,878 visual question-answer pairs based on spine images and labels

SpineBench Distribution 64,878

Disease Diagnosis 40,263

Lesion Localization 24.615

Spinal Disease Diagnosis



What type of spinal disease does this patient have?

- A. Vertebral collapse
- B. Osteophytes
- C. Healthy
- Spondylolisthesis
- E. Disc space narrowing



Spinal Lesion Localization

What level of spine is the lesion located?

A. L1/L2

B. L2/L3

C. L3/L4

D. L4/L5

E. L5/S1

