



JBone-04K

AI based Rib Fracture Detection Solution

| Summary

Rib fracture is a medical condition in which the rib is partially broken. The proper treatment for the rib fracture is to restore the fractured pieces of bone to their natural positions if necessary and maintaining those positions while the rib heals. Therefore, the fracture site must be fixed tightly. Depending on the extent and location of the fracture, additional fixation is necessary using a gypsum or an orthosis. Rib Fracture Detection Solution supports the treatment by visualizing and simulating rib fractures in X-ray images.

JBone-04K is a medical solution that detects rib fracture and visualizes 3D rendered image of rib area.

| Key Components & Performance

- X-Ray image visualization
- Rib area auto-detection and visualization
- Rib fracture auto-detection and visualization
- Rib area and fracture 3D rendering
- Rib fracture surgery simulation tool

| Input / Output

- **Input Data** Patient's Rib X-Ray DICOM
- **Output Information** Rib Area, Rib fracture area