



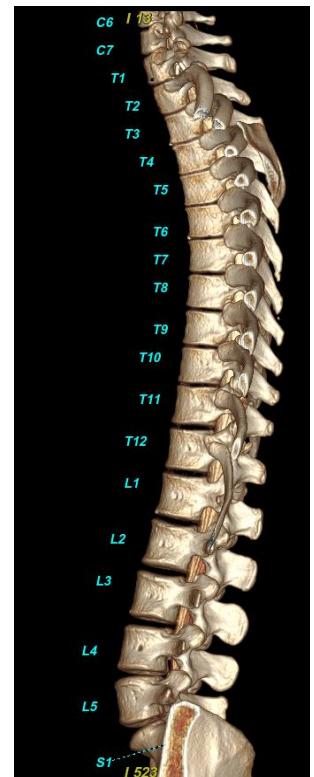
# Bone VCAR

Automated spine labeling with curved reformat generation to improve ease of reading & reporting.

Bone VCAR is a software analysis package utilizing a deep learning technique that assists in the analysis and visualization of CT data.

The vertebral bodies serve as valuable landmarks when pinpointing the location of pathologies to be reported and shared with referring physicians. Such pathologies can be present across multiple scan indications whether it be for trauma, oncology, neurology or general imaging. Review of CT spine exams often requires the review of multiple reconstructions and the anatomy can often be complex. Utilize Bone VCAR to label the vertebrae bodies and generate the curved reformats automatically, allowing you to refocus on the task of identifying and reporting the findings.

Bone VCAR assists in identification and review of your spine reconstructions by providing automatic labeling and automated curved reformats, completed within seconds and available within all workflows.



**Designed to simplify the reading experience and improve reporting efficiency.**

- Deep learning application trained on global datasets acquired with a broad range of acquisition parameters achieving >90% labeling accuracy
- Automated vertebrae labeling in 5 seconds\* or less for volumes of 300mm or less
- Compatible with data acquisitions for dedicated spine work, trauma, oncology and routine imaging
- Compatible with Gemstone Spectral Imaging (GSI) scan modes as well as standard single energy acquisitions
- Automated generation of a 3D trace to generate curved reformat views
- Automated generation of oblique views perpendicular to vertebral bodies and disc spaces.
- Load multiple series and vertebrae labeling will propagate to the different volumes
- Easily review multiple reconstructions with simultaneous display of different kernels
- Works on full spine acquisitions as well as limited acquisitions containing segments of the spine
- Access Bone VCAR from the Volume Viewer tool bar to easily apply during any review at any time



Automatic display of reformatted views. **A:** Sagittal and Coronal Reformats. **B:** oblique reformat perpendicular to axis generated on sagittal and coronal curved views. **C:** Sagittal and Coronal Curved Reformats



Footnotes:

\*timing specifications for Z440 platform and normal anatomy

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