

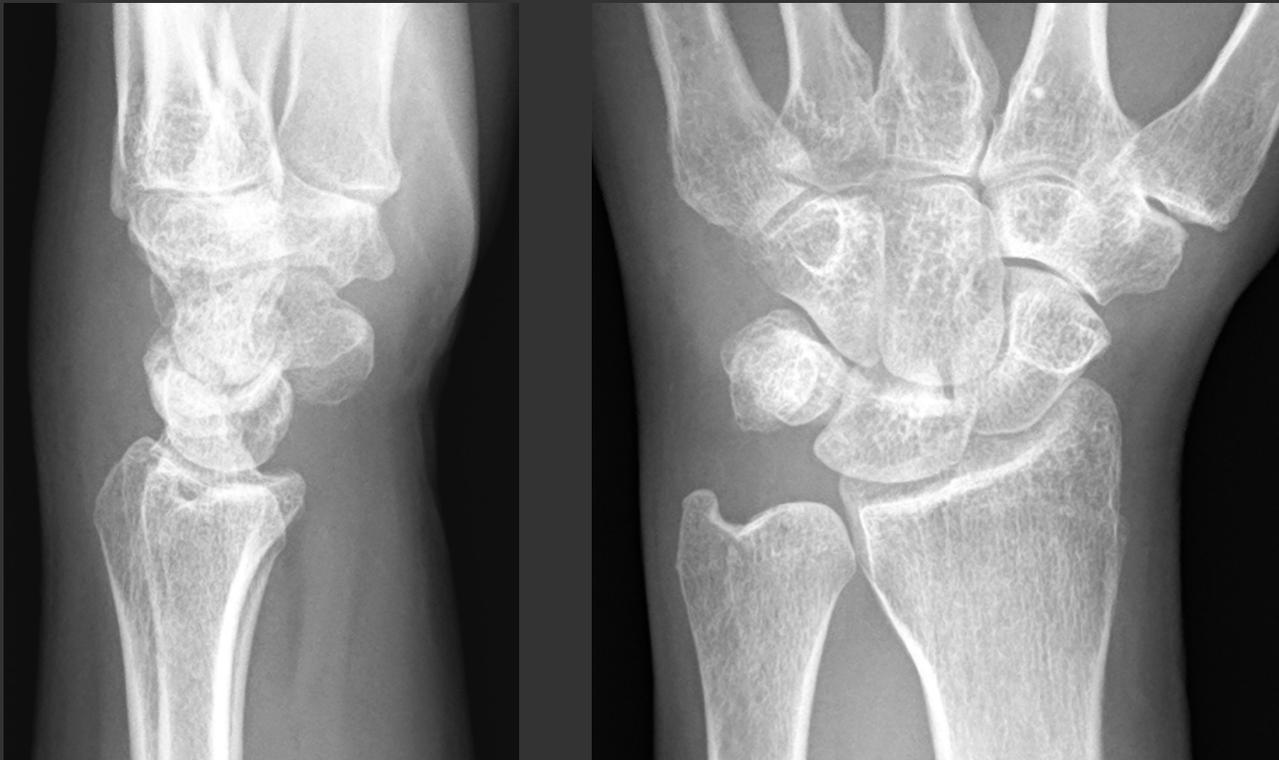
# Wrist Trauma

## Patient History

57-year-old woman presented with wrist trauma. Standard 2D X-ray imaging was performed as the routine imaging choice. Imaging with the CARESTREAM OnSight 3D Extremity System was ordered due to inconclusive findings on the 2D radiographs.

## Findings

The traditional 2D projection X-rays (see Figure 1) did not show any evidence of a fracture but the patient was experiencing clear pain on the first row of the carpus (ulnar side).



*Figure 1  
Standard 2D  
X-ray of  
wrist trauma  
patient with  
no obvious  
fracture  
seen.*

Figures 2 and 3 show various MPR slices from a 3D scan of the patient taken on the OnSight extremity CT, clearly indicating a large fracture of the triquetrum.

## Case Study | CARESTREAM OnSight 3D Extremity System



Figure 2 MPR slices from the patient in Figure 1 acquired with the OnSight extremity CT system identifying a clear fracture of the triquetrum not seen in Figure 1.



Figure 3 Coronal and axial views of the triquetrum fracture.

This important finding means the patient will be in a cast for a longer period of time than would have been indicated from the negative 2D X-rays. In addition, this type of injury can be a trigger factor for lunate dislocation and should be checked for consolidation and to ensure the fragments do not displace more with time. This example highlights the value of the inherently high image quality and 3D nature of the data provided by the OnSight extremity CT system.