

ABSTRACT

Ankle fractures are common fractures and also tend to the emergency department. We are looking to develop a model that can not only classify whether it is fractured or normal but will also define the fractures and perform both X-rays and CT scans. With the help of deep learning can learn to classify radiographs. In medical imaging, fracture detection is essential for accurate diagnosis and prompt treatment of bone injuries. Fracture identification has traditionally relied on radiologists manually interpreting X-ray pictures, which is time-consuming and prone to inaccuracy. However, new developments in deep learning methodologies have demonstrated significant promise for improving and automating fracture identification. This study intends to thoroughly analyse the most recent techniques and strategies for fracture identification using deep learning algorithms. This research aims to contribute to this area's expanding body of knowledge. It highlights the potential of deep learning for enhancing fracture diagnosis accuracy and effectiveness by analysing and assessing numerous studies.