

Exploring & Visualizing Osteoporosis through X-Ray Imaging

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***Abstract:** Osteoporosis, a prevalent skeletal disorder, poses significant health challenges worldwide. The accurate assessment of bone density and structure is crucial for effective diagnosis, monitoring, and management of this condition. X-ray imaging techniques have emerged as invaluable tools in the evaluation of osteoporosis, offering non-invasive and widely accessible methods for bone assessment. This abstract emphasizes the importance of X-ray imaging techniques in osteoporosis research, clinical practice, and public health initiatives. The ability to visualize bone density, identify fractures, and monitor treatment response empowers healthcare professionals to make informed decisions, customize interventions, and improve patient outcomes.*

Keywords: Osteoporosis, bone density, X-ray image, empowers

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