
Role of diagnostic Imaging in evaluation of complions after total hip replacement (hip prosthesis)

Bahaa Mukhtar Abdel Kader Abdel Aai

Total hip replacement is one of the most important operation done in this century , and has been one of the most successful operations in orthopedic surgery. Numerous joint prostheses are used in orthopedic practice, and as any operation , total hip replacement has complications such as ; mechanical loosening , infection , dislocation and heterotopic bone formation. So , radiological evaluation of these devices and complications important . Diagnostic imaging such as ; X-ray, DEXA, CT , MRI and sonography has an important role in evaluation of various complications after total hip replacement .Some complications of total hip replacement surgery are easily diagnosed and treated. However, differentiating infection from aseptic loosening is difficult because these entities are remarkably similar at clinical and histopathologic examination, and their treatment is radically different . So, bone scintigraphy , as screening test, is easily performed and sensitive.