Clinical Magnetic Resonance Imaging

Val M Runge

Clinical examination and MRI of the knee joint was done for all these patients. Clinical Magnetic Resonance Imaging - my.UQ - The University of Magnetomechanical field computations of a clinical magnetic resonance imaging MRI scanner. Authors. M. Rausch Siemens AG, Medical Solutions,
Magnetic resonance imaging (MRI) is arguably the most sophisticated imaging method used in clinical medicine. In recent years, MRI scans have become increasingly common, as costs decrease. In this article, we will outline the basic principles behind MRI scans, how to orientate and interpret a scan, and address some of their advantages and disadvantages compared to other imaging modalities.

Uses of MRI Scanning. Magnetic resonance imaging can produce highly sophisticated and highly detailed images of the human body. Generally speaking, MRI scanning is excellent for visualising soft tissue and so it is often used in the detection of tumours, strokes and bleeds. It also can be used to visualise the functionality of suspected masses and tumours through IV, gadolinium-based agents.