

## 360° MRI Scanner\_Nuffield Orthopaedic Centre



ADP, working with the Nuffield Orthopaedic Centre NHS Trust and Fonar, has installed the world's first room-sized, 360° MRI scanner. The design allows an entire surgical team to have full and unprecedented access to the patient, undertaking complex surgical procedures with continuous MRI image monitoring of their position within the body.

One of the many applications of the system is in cancer patients, where surgeons will be able to 'see' tumours without needing to cut into organs and destroy tissue unnecessarily. The MRI image can visualise the exact position of the surgeon's needle or scalpel inside the organ as the operation progresses.

The first application of this technique at the Nuffield Orthopaedic Centre (NOC) will be for surgery of the spine and other orthopaedic structures.

By working closely with the NOC, Fonar and a turnkey contractor, ADP has been able to deliver a building which supports pioneering technology with minimal disruption to the Trust and to patients.

Marion Watson, Senior Radiologist, commented: "ADP has produced a superb building, which not only met the demanding technical specifications required to site the scanner, but also provides a light, welcoming environment for patients and their families."

**Client:** Nuffield Orthopaedic Centre NHS Trust  
**Services:** Architectural  
**Contract Value:** £2m  
**Completion Date:** 2007