

## Accuracy, economy, and speed in global orthopedics studies

From protocol design and subject recruitment to imaging and biochemical-marker services, the expertise and experience of Synarc is recognized worldwide. Our medical and radiology staff has managed numerous orthopedic studies involving MRI, x-ray, CT, and other imaging modalities central to the success of orthopedic clinical trials.

Synarc is currently at work investigating solutions for spine arthrodesis and arthroplasty, degenerative disc disease, fracture healing, and cartilage repair. Let us bring our expertise to your next orthopedic clinical-research program.

### Device assessments

In the analysis of orthopedic devices, we provide comprehensive assessments focused on the status of the device (eg, broken or disassembled, migrated), patient anatomy and function (eg, preservation of motion), and radiographic evidence of device-related complications. These radiographic endpoints provide important objective evidence to corroborate clinical endpoints such as pain relief, range of motion, and return to normal activities.

### Flexible, state-of-the-art electronic reading system

Our secure electronic reading system allows readers to easily retrieve data from subject visits and exams. This advanced system can combine and analyze various imaging modalities from a single trial for maximum efficiency and outcome accuracy.



Synarc's electronic reading system makes all trial data instantly available for analysis by our medical and scientific staff.

### A team of experts

Synarc orthopedic services are headed by a duo of renowned leaders, one an internationally recognized luminary in the field of musculoskeletal imaging and the other an accomplished orthopedic surgeon.



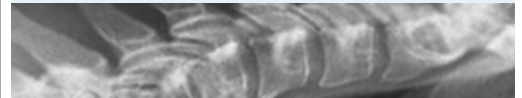
### Orthopedics Services

#### Indications

- Fracture healing
- Spinal devices
- Joint replacement
- Cartilage repair

#### Imaging

- Orthogonal radiographs
- Computed tomography
- Magnetic resonance
- Quantitative measurements
- Semiquantitative and qualitative assessment by trained experts



Standardized radiographs are used to assess fracture union based on assessment of cortical bridging and disappearance of the fracture line in each of four cortices.

