

Evaluation of Musculoskeletal Aging and Related Disorders Via Advanced Clinical Imaging

NCT07474571

Status	RECRUITING
Sponsor	Peking University People's Hospital
Enrollment	2,000 participants

Key Eligibility Criteria

Inclusion (5)

- Age: Adults aged at least 18 years.
- Gender: No gender restrictions; both male and female participants are eligible.
- Imaging Data: Participants must have completed relevant clinical imaging scans of skeletal sites, including but not limited to X-ray, CT (plain scan), or MRI (plain scan).
- Anatomical Integrity: The skeletal structure of the target area must be free from congenital or acquired deformities.
- Absence of Implants: No internal fixation materials or orthopedic implants in the skeletal areas being assessed.

Exclusion (5)

- Pathological History: Patients with a history of prior pathological fractures.
- Malignancy: Patients seeking treatment or diagnosed with bone tumors or other systemic malignancies.
- Medication History: Patients with a history of long-term steroid use, which may significantly affect bone density and joint structure.
- Recent Treatment: Patients who have undergone radiotherapy or chemotherapy within the past six months.
- Data Quality: Patients whose imaging data is of insufficient quality for AI analysis or lacks clear clinical diagnostic "gold standard" references (e.g., missing DXA results for osteoporosis staging).

Locations (1 total)

Beijing, China