

Prediction of Postoperative Outcomes After TKA Using Instrumented Insoles and DNN

NCT07367789

Status RECRUITING
Sponsor Yonsei University
Enrollment 200 participants

Key Eligibility Criteria

Inclusion (4)

- Age ≥ 19 years
- Diagnosed with knee osteoarthritis (Kellgren-Lawrence grade 1-4)
- Scheduled for primary Total Knee Arthroplasty (TKA) at either study site
- Able to walk independently on level ground (Functional Ambulation Categories, FAC ≥ 3)

Exclusion (5)

- Cancellation of scheduled TKA
- History of TKA on the same knee
- Neurological or musculoskeletal disorders affecting gait
- Pregnancy or possibility of pregnancy
- Any condition deemed inappropriate for study participation by the investigator

Locations (1 total)

Yongin Severance Hospital, Yongin-si, Gyeonggi-do, South Korea