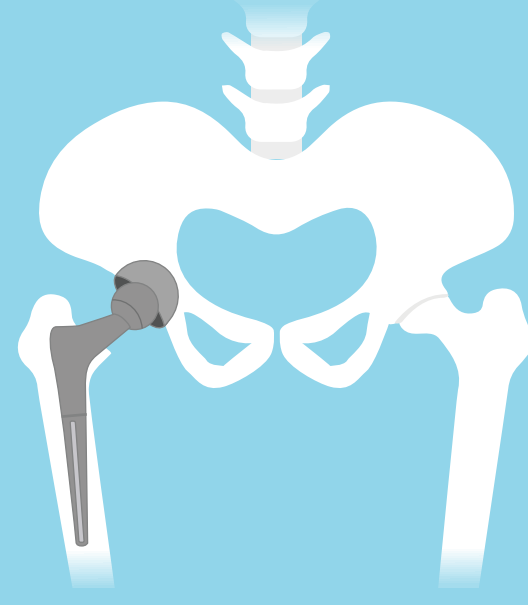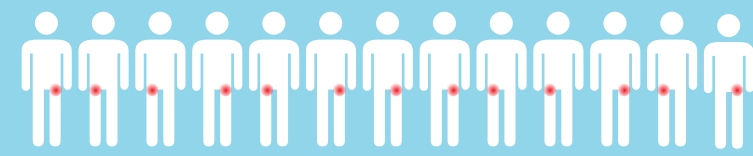# Fast Starters, Slow Starters, and Late Dippers: Categorizing Hip Replacement Outcomes

Many patients who undergo hip replacement surgeries experience suboptimal recovery, indicating differences in patterns of recovery

Dutch Arthroplasty Register

Oxford Hip Scores of patients who underwent hip replacement
(N = 6,030)

Latent class growth modeling

Classification based on functional recovery

Association with various risk factors

Fast starters
Initial improvement
High scores at 1 year

Slow starters
No initial change
Subsequent improvement

Late dippers
Initial improvement
Subsequent deterioration

Factors associated with less favorable outcomes include
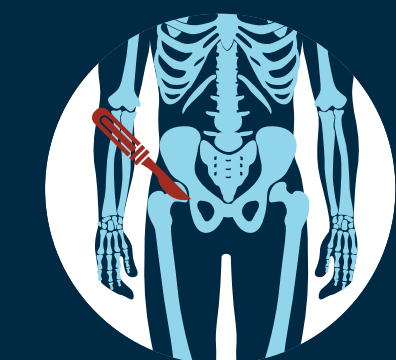
Female sex

Smoking

Age > 75 years

Obesity

Anxiety and depression

Lateral approach

Anterior approach

Surgeons can estimate more accurately which patients are at risk of a less favorable recovery, as reflected in their Oxford Hip Scores over the first post-operative year

Fast Starters, Slow Starters, and Late Dippers: Trajectories of Patient-Reported Outcomes After Total Hip Arthroplasty

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