Studies identified through database searching \((n = 752)\):
- Total hip replacement \((n = 422)\)
- Total knee replacement \((n = 330)\)

Duplicates removed \((n = 102)\)

Studies screened (title and abstract screening) \((n = 650)\)

Studies excluded due to ineligibility \((n = 617)\)

Studies screened (full-text screening) \((n = 33)\)

Studies excluded
- Reason for exclusion:
  - Systematic review \((n = 2)\)
  - Intervention, no stair negotiation \((n = 10)\)
  - No intervention \((n = 2)\)
  - Observational (gait/biomechanics) \((n = 3)\)
  - Prospective study \((n = 3)\)
  - Duplicate \((n = 3)\)

Studies eligible for systematic review (in full-text) \((n = 10)\)

Figure 1. The process of article identification and selection, according to Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines