Clinical Evidence for use of the Ottobock C-Leg Summary

About the C-Leg
- A microprocessor-controlled prosthetic knee (MCK) made by Otto Bock Co.
- Controls stance and swing phase and adjusts to the requirements of the prosthesis wearer at a rate of fifty times per second.

Clinical Research/ Evidence

Safety
- Significant reduction in:
  - stumbles (1-3)
  - semi-controlled falls (1)
  - number and frequency of falls (1-4)
- Subjectively improved balance (4-6)

Energy Efficiency
- Increased energy efficiency (7, 8)
- Significant reduction in:
  - normal oxygen cost (9)
  - post-activity heart rate (10)

Cost Effectiveness
- C-Leg is cost effective from a societal perspective* and healthcare economy* and provides a positive quality of life year (QALY) gain (11-13)

* societal perspective-

* healthcare economy-
References