

Summary of observations relating to squeaking during the different phases of the study:

Conditions	Occurrence of squeaking
Phase 1: Standard conditions (N=6)	No
Phase 2A: Standard gait, high frequency (1.25Hz), 3kN, N=3	No
Phase 2B: 'Jogging' – 1.25Hz, 4.5kN peak load, 4.5kN, N=3	No
Phase 2A: Stop-dwell-start, standard gait, 3kN, N=3	Squeaking (when the simulator stopped) apparent from partway through the first 0.5MC when simulator stopped, not during continuous running, less apparent towards 1MC
Phase 2B: Stop-dwell-start, 'jogging' 1.25Hz, 4.5kN peak load, 4.5kN, N=3	Squeaking (when the simulator stopped) when implants 1 and 2 were under investigation, no squeaking when implant 3 was being tested. It is not known whether squeaking heard was from implant 1, 2 or both implants.