**Supplemental video 1: Real-time video capture of footfalls during ambulatory walking tasks using the Protokinetics Walkway gait analysis program (PKMAS) of Case I at pre-op (baseline), SCS on for 1-hour to participant’s best setting, and at 3-months, 6-months and 12-months of SCS use.** For each footfall, purple (right foot) and teal (left foot) depict in real time the sensors activated within each footfall and white shows the sensors activated for each full step; yellow represents footfalls of volunteers/care-giver assisting the patient for safety; moving red dot and line represents centre of pressure; moving green dot and line represents estimated centre of mass. Participant was tested while on-medication at each time-point and with SCS turned on at each post-op time-point.