



**Supplementary Figure 1** Ultrasound images of the gastrocnemius medialis (GM) muscle. The unaffected (upper images) and affected (lower images) GM muscles are represented at touch-down (initial foot contact) and to maximal load (peak series elastic element length) of the gait cycle. Compared to the unaffected side, affected fascicles show shorter fascicle length and greater pennation angles during walking stance.  $\phi_f$ : pennation angle.