Supplementary figure 1: Flowchart of the steps involved in the dose-response analysis

Excluded: participants with missing values, job history of <15 y or >55 y, overlapping jobs

- UK Biobank job history according to the UK SOC 2000 system, translated to US SOC 2010 codes
- Manual work exposure score of each US SOC 2010 job standardised from O*NET database

Total manual work exposure calculated for each participant (sum of job O*NET score x years in that job)

Total manual work exposure split into quintiles by increments of 750 O*NET-score x years

Propensity score matching of cases (usually/always manual work) versus controls (rarely/never manual work)

Generalised linear mixed effects model. Exposure = total manual work exposure score. Outcome = DD
Supplementary Figure 2: the relationship between Dupuytren’s disease and manual work exposure
**Supplementary figure 3a:** Covariate balance before and after matching (current manual work response analysis)
Supplementary figure 3b: Covariate balance before and after matching (dose-response analysis)