

Appendix E1. Details on Participant Withdrawal Prior to Cryoablation

The following are reasons for withdrawal before cryoablation was attempted ($n = 9$): screen failures ($n = 2$, one participant was in another trial and scored worst pain in last 24 hours < 4 , another participant scored worst pain in last 24 hours < 4); participant was hospitalized and Karnofsky Performance Status decreased below permitted level ($n = 1$); participant died ($n = 1$); participant changed her mind before procedure ($n = 1$); participant received radiation treatment to the index lesion ($n = 1$); oncologist canceled cryoablation ($n = 1$); main source of pain L2 vertebra fracture requiring radiofrequency ablation ($n = 1$); and participant biopsy was negative ($n = 1$). Additionally, the one participant who experienced a severe adverse event was removed from the study analysis due to complications leading to inability to complete the trial follow-up period (amputation above treatment target, so follow-up not possible).