**Appendix A:** Database search strategies for article identification.

**PubMed**

Search completed 9/23/22 and 10/29/22

1. “Oncology pain” [All Fields] OR “cancer pain” [All Fields] OR “tumor pain” [All Fields] OR “tumour pain” [All Fields] OR “malignant pain” [All Fields] OR “oncologic pain” [All Fields] OR “oncologic patient” [All Fields] OR ((“oncolog\*”[MeSH Terms] OR “oncolog\*”[tiab]) AND (“pain”[MeSH Terms] OR “pain” [tiab]))

AND

1. “sarcopenia” [MeSH Terms] OR “sarcopenia” [All Fields] OR “frailty [MeSH Terms] OR “frailty” [All Fields] OR “frailties” [All Fields] OR “frail” [All Fields] OR “frails” [All Fields] or “frailty” [MeSH Terms] OR “frailty” [All Fields] OR “frailness” [All Fields] or “frail elderly” [All Fields]

**OVID**

Search completed 9/23/22 and 10/29/22

1. (Oncology pain or cancer pain or tumor pain or tumour pain or malignant pain or oncologic pain or oncologic patient or (oncolog\* and pain)).mp. [mp=ti, bt, ab, ot, nm, hw, fx, kf, ox, px, rx, ui, sy, tc, id, tm, mf, td, tx, ct, kw, sh, dw]

AND

1. (sarcopenia or frailty or frail or frail elderly).mp. [mp=ti, bt, ab, ot, nm, hw, fx, kf, ox, px, rx, ui, sy, tc, id, tm, mf, td, tx, ct, kw, sh, dw]

**EMBASE**

Search completed 10/25/22

1. 'oncology pain' OR (('oncology'/exp OR oncology) AND ('pain'/exp OR pain)) OR 'cancer pain'/exp OR 'cancer pain' OR (('cancer'/exp OR cancer) AND ('pain'/exp OR pain)) OR 'tumor pain' OR (('tumor'/exp OR tumor) AND ('pain'/exp OR pain)) OR 'tumour pain' OR (('tumour'/exp OR tumour) AND ('pain'/exp OR pain)) OR 'malignant pain'/exp OR 'malignant pain' OR (malignant AND ('pain'/exp OR pain)) OR 'oncologic pain' OR (oncologic AND ('pain'/exp OR pain)) OR 'oncologic patient' OR (oncologic AND ('patient'/exp OR patient))

AND

1. (Sarcopenia OR frailty or Frail) AND elderly