# Appendix 1: Search Strategy: Preservation of amputated/avulsed body part

**PICO question**

Among adults and children with a traumatic complete amputation or a complete avlusion of an external body part (e.g. digit, hand, arm) or soft tissue in the out-of-hospital setting (P), does any approach to preservation of the amputated body part or avulsed tissue for possible replantation/attachment (I), compared with another approach to preservation for possible replantation/attachment (C), change any clinical outcome (O)?

### PubMed

1. “Amputation, Traumatic”[MeSH] OR "Degloving injuries"[MeSH] OR amput\*[TIAB]OR avulsion\*[TIAB] OR avulsed[TIAB] OR severed[TIAB] OR transected[TIAB]
2. “Tissue preservation”[MeSH] OR preserv\*[TIAB] OR conserv\*[TIAB] OR cooling[TIAB] OR cooled[TIAB] OR ice[TIAB] OR wrapping[TIAB] OR wrapped[TIAB] OR wrap[TIAB] OR moist\*[TIAB] OR damp\*[TIAB] OR cleanse[TIAB] OR cleansed[TIAB] OR cleansing[TIAB]
3. 1-2 AND  
   = 6593 hits

**Embase**

1. 'Traumatic amputation'/exp OR 'Degloving injury'/exp OR amput\*:ab,tiOR avulsion\*:ab,ti OR avulsed:ab,ti OR severed:ab,ti OR transected:ab,ti
2. 'Tissue preservation'/exp OR preserv\*:ab,ti OR conserv\*:ab,ti OR cooling:ab,ti OR cooled:ab,ti OR ice:ab,ti OR wrapping:ab,ti OR wrapped:ab,ti OR wrap:ab,ti OR moist\*:ab,ti OR damp\*:ab,ti OR cleanse:ab,ti OR cleansed:ab,ti OR cleansing:ab,ti
3. 1-2 AND  
   = 8541 hits

**CINAHL**

1. (MH "Amputation+") OR TI "amput\*" OR AB "amput\*" OR TI "avulsion\*" OR AB "avulsion\*" OR TI avulsed OR AB avulsed OR TI severed OR AB severed OR TI transected OR AB transected
2. (MH "Tissue Preservation+") OR TI "preserv\*" OR AB "preserv\*" OR TI "conserv\*" OR AB "conserv\*" OR TI cooling OR AB cooling OR TI cooled OR AB cooled OR TI ice OR AB ice OR TI wrapping OR AB wrapping OR TI wrapped OR AB wrapped OR TI wrap OR AB wrap OR TI "moist\*" OR AB "moist\*" OR TI "damp\*" OR AB "damp\*" OR TI cleanse OR AB cleanse OR TI cleansed OR AB cleansed OR TI cleansing OR AB cleansing
3. 1-2 AND

= 1232 hits

1. 3 AND Journal Subset limited to 'Allied Health'  
   = 256 hits

**ClinicalTrials.Gov** (<https://clinicaltrials.gov/>)

Advanced search:

* Condition: amputation OR amputated OR avulsion OR avulsed OR severed OR transected
* Study type: All Studies
* Study results: All studies
* Targeted search:
  + Intervention/treatment: preservation OR preserved OR preserve OR conservation OR conserved OR conserve OR cooling OR cooled OR ice OR wrapping OR wrapped OR wrap OR moist OR damp OR cleanse OR cleansed OR cleansing

= 30 hits

### WHO ICTRP (<https://trialsearch.who.int/>)

Advanced search:

**Look for trials with the exact phrase or contains**

* Amputat\* OR avuls\* OR severed OR transected **in the Condition**
* Preserv\* OR conserv\* OR cool\* OR ice OR wrap\* OR moist\* OR damp\* OR cleans\* **in the Intervention**

Recruitment status: ALL

= 14 records for 13 trials found

### Cochrane CENTRAL

1. [mh “Amputation, Traumatic”] OR [mh "Degloving injuries"] OR amput\*:ti,ab,kwOR avulsion\*:ti,ab,kw OR avulsed:ti,ab,kw OR severed:ti,ab,kw OR transected:ti,ab,kw
2. [mh “Tissue preservation”] OR preserv\*:ti,ab,kw OR conserv\*:ti,ab,kw OR cooling:ti,ab,kw OR cooled:ti,ab,kw OR ice:ti,ab,kw OR wrapping:ti,ab,kw OR wrapped:ti,ab,kw OR wrap:ti,ab,kw OR moist\*:ti,ab,kw OR damp\*:ti,ab,kw OR cleanse:ti,ab,kw OR cleansed:ti,ab,kw OR cleansing:ti,ab,kw
3. 1-2 AND  
   = 349 trials