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| Medline and Embase | (fracture fixation/ or fracture\*.ti,ab,kw. or Lower Extremity/ or femoral Fractures/ or Tibial Fractures/ or Patella/ or Ankle Fractures/ or Fibula/ or Foot Bones/ or Talus/ or fixation.ti,ab,kw. or plat\*.ti,ab,kw. or calcan\*.ti,ab,kw. or nail.ti,ab,kw. or ORIF.ti,ab,kw) **AND** (tourniquets/ or Esmarch.ti,ab,kw. or Lofquist.ti,ab,kw. or cuff.ti,ab,kw.) **AND** (randomi?e\*.ti,ab,kw. or trial.ti,ab,kw. or randomi?ed controlled trial.pt.) |
| The Cochrane Library | (MeSH descriptor: [Fracture Fixation] explode all trees  OR  (fracture\*):ti,ab,kw  OR MeSH descriptor: [Lower Extremity] explode all trees  OR MeSH descriptor: [Femoral Fractures] explode all trees OR  MeSH descriptor: [Tibial Fractures] explode all trees OR MeSH descriptor: [Patella] explode all trees OR MeSH descriptor: [Ankle Fractures] explode all trees OR MeSH descriptor: [Fibula] explode all trees OR MeSH descriptor: [Foot Bones] explode all trees OR MeSH descriptor: [Talus] explode all trees OR (plat\*):ti,ab,kw OR (calcan\*):ti,ab,kw OR (fixation):ti,ab,kw OR (nail):ti,ab,kw OR (ORIF):ti,ab,kw)  **AND**  (MeSH descriptor: [Tourniquets] explode all trees OR (Esmarch):ti,ab,kw OR (Lofquist):ti,ab,kw OR (cuff):ti,ab,kw)  **AND** ((randomi?e\*):ti,ab,kw OR (trial):ti,ab,kw OR ("randomi?ed controlled trial"):pt) |
| Web of Science | TS=(fracture\* near/5 (femur or femoral or tibia\* or patella\* or ankle or fibula\* or tal\* or calcan\* or foot or feet))  **OR**  TS=(fixation)  **OR**  TS=(nail\*)  **OR**  TS=(ORIF)  **AND**  TS=(tourniquets or esmarch or lofquist or cuff)  **AND**  TS=(randomi?e\* or trial) |
| Literatura Latino Americana em Ciências da Saúde (LILACS) | (MH:"Fracture Fixation" OR fracture$ OR MH:"Lower Extremity" OR MH:"Femoral Fractures" OR MH:"Tibial Fractures" OR MH:"Patella" OR MH:"Ankle Fractures" OR MH:"Talus" OR MH:"Fibula" OR MH:"Foot bones" OR "fixation" OR plat$ OR calcan$ OR nail$ OR "ORIF") **AND** (MH:"Tourniquets" OR "esmarch" OR "lofquist" OR "cuff") **AND** (random$ OR "trial") |
| African Journals Online (AJOL) | tourniquet fracture |

Supplementary Table 1: Medical subject headings and free words used in the literature search across the six databases.