

Table S2. Searches strategies

Database	Search strategy	Results
Medline	<p>((((colles' fracture[MeSH Terms]) OR (radius fracture[MeSH Terms])) OR (distal radius fracture[Text Word])) AND (((((((((((surgical procedures, operative[MeSH Terms]) OR (fracture fixation[MeSH Terms])) OR (fracture fixation, internal[MeSH Terms])) OR (fracture fixation, intramedullary[MeSH Terms])) OR (Closed fracture reduction[MeSH Terms])) OR (Open reduction[Text Word])) OR (Internal fixation[Text Word])) OR (External fixation[Text Word])) OR (Bridging external fixation[Text Word])) OR (Nonbridging external fixation[Text Word])) OR (Kirschner wire fixation[Text Word])) OR (Percutaneous K-wire fixation[Text Word])) OR (Volar locked plating fixation[Text Word])) OR (Volar locking plating system[Text Word])) OR (Closed Fracture Reduction[Text Word])) OR (Closed reduction[Text Word])) OR (Plaster cast[Text Word])) OR (Cast Immobilization[Text Word])) AND (((((((Randomized Controlled Trial [pt]) OR Controlled Clinical Trial [pt]) OR Randomized [tiab]) OR Randomly [tiab]) OR Trial OR Groups [tiab])) NOT ((Animals [mh]) NOT Humans [mh]))))</p>	1286
EMBASE	<p>(colles AND ('fracture'/exp OR fracture) OR (('radius'/exp OR radius) AND ('fracture'/exp OR fracture)) OR (distal AND ('radius'/exp OR radius) AND ('fracture'/exp OR fracture))) AND (surgical AND ('procedures, '/exp OR procedures,) AND operative OR (('fracture'/exp OR fracture) AND ('fixation'/exp OR fixation)) OR (('fracture'/exp OR fracture) AND fixation, AND internal) OR (('fracture'/exp OR fracture) AND fixation, AND intramedullary) OR (open AND ('reduction'/exp OR reduction)) OR (internal AND ('fixation'/exp OR fixation)) OR (external AND ('fixation'/exp OR fixation)) OR (bridging AND external AND ('fixation'/exp OR fixation)) OR (nonbridging AND external AND ('fixation'/exp OR fixation)) OR (kirschner AND ('wire'/exp OR wire) AND ('fixation'/exp OR fixation)) OR (percutaneous AND ('k wire'/exp OR 'k wire') AND ('fixation'/exp OR fixation)) OR (volar AND locked AND plating AND ('fixation'/exp OR fixation)) OR (volar AND locking AND plating AND system) OR (closed AND ('fracture'/exp OR fracture) AND ('reduction'/exp OR reduction)) OR (closed AND ('reduction'/exp OR reduction)) OR (('plaster'/exp OR plaster) AND ('cast'/exp OR cast)) OR (('cast'/exp OR cast) AND ('immobilization'/exp OR immobilization))) AND (randomized AND controlled AND ('trial'/exp OR trial) OR (controlled AND ('clinical'/exp OR clinical) AND ('trial'/exp OR trial))</p>	1805

	OR randomized OR randomly OR 'trial'/exp OR trial OR groups)	
CENTRAL	<p>((colles' fracture) OR (radius fracture)) OR (distal radius fracture):ti,ab,kw AND (((((((((((((((surgical procedures, operative) OR (fracture fixation) OR (fracture fixation, internal)) OR (fracture fixation, intramedullary)) OR (Closed fracture reduction)) OR (Open reduction)) OR (Internal fixation)) OR (External fixation)) OR (Bridging external fixation)) OR (Nonbridging external fixation)) OR (Kirschner wire fixation)) OR (Percutaneous K-wire fixation)) OR (Volar locked plating fixation)) OR (Volar locking plating system)) OR (Closed Fracture Reduction)) OR (Closed reduction)) OR (Plaster cast)) OR (Cast Immobilization)):ti,ab,kw</p> <p>Limits: Content type: Trials</p>	789
LILACS	<p>((((((((((((((((((surgical procedures, operative) OR (fracture fixation) OR (fracture fixation, internal)) OR (fracture fixation, intramedullary)) OR (closed fracture reduction)) OR (open reduction)) OR (internal fixation)) OR (external fixation)) OR (bridging external fixation)) OR (nonbridging external fixation)) OR (kirschner wire fixation)) OR (percutaneous k-wire fixation)) OR (volar locked plating fixation)) OR (volar locking plating system)) OR (closed fracture reduction)) OR (closed reduction)) OR (plaster cast)) OR (cast immobilization)) AND (((((((((((((((randomized controlled trial) OR (controlled clinical trial)) OR (randomized)) OR (randomly)) OR (trial)) OR (groups)) AND (((colles' fracture) OR (radius fracture)) OR (distal radius fracture)) AND (db:"LILACS"))</p>	34
CINHAL	<p>((colles' fracture) OR (radius fracture)) OR (distal radius fracture)) AND ((((((((((((((((surgical procedures, operative) OR (fracture fixation) OR (fracture fixation, internal)) OR (fracture fixation, intramedullary)) OR (Closed fracture reduction)) OR (Open reduction)) OR (Internal fixation)) OR (External fixation)) OR (Bridging external fixation)) OR (Nonbridging external fixation)) OR (Kirschner wire fixation)) OR (Percutaneous K-wire fixation)) OR (Volar locked plating fixation)) OR (Volar locking plating system)) OR (Closed Fracture Reduction)) OR (Closed reduction)) OR (Plaster cast)) OR (Cast Immobilization)) AND ((((((((((((Randomized Controlled Trial) OR (Controlled Clinical Trial)) OR (Randomized)) OR (Randomly)) OR (Trial)) OR (Groups))</p>	536
SPORTDISCUS	<p>(((colles' fracture) OR (radius fracture)) OR (distal radius fracture)) AND ((((((((((((((((surgical procedures, operative) OR (fracture fixation) OR (fracture fixation, internal)) OR (fracture fixation, intramedullary)) OR (Closed fracture reduction)) OR (Open reduction)) OR (Internal fixation)) OR (External fixation)) OR (Bridging external fixation)) OR (Nonbridging external fixation)) OR (Kirschner wire fixation)) OR (Percutaneous K-wire fixation)) OR (Volar locked plating</p>	133

	fixation)) OR (Volar locking plating system)) OR (Closed Fracture Reduction)) OR (Closed reduction)) OR (Plaster cast)) OR (Cast Immobilization)) AND ((((((Randomized Controlled Trial) OR (Controlled Clinical Trial)) OR (Randomized)) OR (Randomly)) OR (Trial)) OR (Groups))	
Web of science	((ALL=(((colles' fracture) OR (radius fracture)) OR (distal radius fracture))) AND ALL=((((((Randomized Controlled Trial) OR (Controlled Clinical Trial)) OR (Randomized)) OR (Randomly)) OR (Trial)) OR (Groups))) AND ALL=((((((((((((((((surgical procedures, operative) OR (fracture fixation)) OR (fracture fixation, internal)) OR (fracture fixation, intramedullary)) OR (Closed fracture reduction)) OR (Open reduction)) OR (Internal fixation)) OR (External fixation)) OR (Bridging external fixation)) OR (Nonbridging external fixation)) OR (Kirschner wire fixation)) OR (Percutaneous K-wire fixation)) OR (Volar locked plating fixation)) OR (Volar locking plating system)) OR (Closed Fracture Reduction)) OR (Closed reduction)) OR (Plaster cast)) OR (Cast Immobilization))	1462
PEDro	Abstract & title: Radius fracture Body part: Hand or Wrist Method: Clinical trial	52
Total		6097

* All searches were carried out on November 30, 2022.