



## Supplementary Material

10.1302/2633-1462.210.BJO-2021-0090.R1

### Search strategy

#### PubMed

((("Debridement"[Mesh] OR "debridement"[tiab] OR debrid\*[tiab] OR "DAIR"[tiab] OR "debridement, antibiotics and implant retention"[tiab] OR "debridement, antibiotics and implant retention dair"[tiab] OR "debridement, antibiotics, and implant retention"[tiab] OR "implant retention"[tiab]) AND ("Prosthesis-Related Infections"[mesh] OR "Prosthesis Infection"[tiab] OR "Prosthesis Infections"[tiab] OR "Prosthetic Infection"[tiab] OR "Prosthetic Infections"[tiab] OR "Prosthetic Joint Infection"[tiab] OR "Prosthetic Joint Infections"[tiab] OR "Prosthesis-Related Infections"[tiab] OR "Prosthesis-Related Infection"[tiab] OR "peri prosthetic joint infection"[tiab] OR "peri prosthetic joint infections"[tiab] OR "periprosthetic joint infection"[tiab] OR "periprosthetic joint infections"[tiab] OR ("Joint Prosthesis"[majr] OR "Arthroplasty, Replacement"[majr]) AND ("Infection"[majr] OR infect\*[ti] OR "deep infection"[ti] OR "Wound Infection"[majr] OR "Sepsis"[majr] OR "Surgical Wound Infection"[majr])) OR (("Prosthesis"[ti] OR prosth\*[ti]) AND ("Joint"[ti] OR "Joints"[ti] OR "Joints"[majr] OR "knee"[ti] OR "shoulder"[ti] OR "elbow"[ti] OR "hip"[ti] OR "knees"[ti] OR "shoulders"[ti] OR "elbows"[ti] OR "hips"[ti]) AND ("Infection"[majr] OR infect\*[ti] OR "deep infection"[ti] OR "Wound Infection"[majr] OR "Sepsis"[majr] OR "Surgical Wound Infection"[majr])) AND ("success rate"[tiab] OR "success rates"[tiab] OR "success"[tiab] OR succes\*[tiab] OR "failure rate"[tiab] OR "failure rates"[tiab] OR "failure"[tiab] OR fail\*[tiab] OR "infection control"[tiab] OR "Treatment Outcome"[mesh] OR "Treatment Outcome"[tiab] OR "outcome"[tiab] OR "outcomes"[tiab])) NOT ("Animals"[mesh] NOT "Humans"[mesh]) NOT (("Case Reports"[ptyp] OR "case report"[ti]) NOT ("Review"[ptyp] OR "review"[ti] OR "Clinical Study"[ptyp] OR "trial"[ti] OR "RCT"[ti]))

#### Embase (OVID version)

((("Debridement"/ OR "debridement".ti,ab OR debrid\*.ti,ab OR "DAIR".ti,ab OR "debridement, antibiotics and implant retention".ti,ab OR "debridement, antibiotics and implant retention dair".ti,ab OR "debridement, antibiotics, and implant retention".ti,ab OR "implant retention".ti,ab) AND ("Prosthesis Infection".ti,ab OR "Prosthesis Infections".ti,ab OR "Prosthetic Infection".ti,ab OR "Prosthetic Infections".ti,ab OR "Prosthetic Joint Infection".ti,ab OR "Prosthetic Joint Infections".ti,ab OR "Prosthesis-Related Infections".ti,ab OR "Prosthesis-Related Infection".ti,ab OR "peri prosthetic joint infection".ti,ab OR "peri prosthetic joint infections".ti,ab OR "periprosthetic joint infection".ti,ab OR "periprosthetic

joint infections".ti,ab OR ((exp \*"Joint Prosthesis"/ OR "Arthroplasty, Replacement"/) AND (exp \*"Infection"/ OR infect\*.ti OR "deep infection".ti OR exp \*"Wound Infection"/ OR exp \*"Sepsis"/ OR exp \*"Surgical Wound Infection"/)) OR (("Prosthesis".ti OR prosth\*.ti) AND ("Joint".ti OR "Joints".ti OR "Joints"/ OR "knee".ti OR "shoulder".ti OR "elbow".ti OR "hip".ti OR "knees".ti OR "shoulders".ti OR "elbows".ti OR "hips".ti) AND (exp\*"Infection"/ OR infect\*.ti OR "deep infection".ti OR exp \*"Wound Infection"/ OR exp \*"Sepsis"/ OR exp \*"Surgical Wound Infection"/)) AND ("success rate".ti,ab OR "success rates".ti,ab OR "success".ti,ab OR succes\*.ti,ab OR "failure rate".ti,ab OR "failure rates".ti,ab OR "failure".ti,ab OR fail\*.ti,ab OR "infection control".ti,ab OR exp \*"Treatment Outcome"/ OR "Treatment Outcome".ti,ab OR "outcome".ti,ab OR "outcomes".ti,ab)) NOT (exp "Animals"/ NOT exp "Humans"/) NOT (("Case Reports"/ OR "case report".ti) NOT ("Review"/ OR "review".ti OR "Clinical Study"/ OR "trial".ti OR "RCT".ti))

## Web of Science

(ts=("Debridement" OR "debridement" OR debrid\* OR "DAIR" OR "debridement, antibiotics and implant retention" OR "debridement, antibiotics and implant retention dair" OR "debridement, antibiotics, and implant retention" OR "implant retention") AND (ts=("Prosthesis Infection" OR "Prosthesis Infections" OR "Prosthetic Infection" OR "Prosthetic Infections" OR "Prosthetic Joint Infection" OR "Prosthetic Joint Infections" OR "Prosthesis-Related Infections" OR "Prosthesis-Related Infection" OR "peri prosthetic joint infection" OR "peri prosthetic joint infections" OR "periprosthetic joint infection" OR "periprosthetic joint infections") OR ti=(("Prosthesis" OR prosth\*) AND ("Joint" OR "Joints" OR "Joints" OR "knee" OR "shoulder" OR "elbow" OR "hip" OR "knees" OR "shoulders" OR "elbows" OR "hips") AND (exp\*"Infection" OR infect\* OR "deep infection" OR "Wound Infection" OR "Sepsis" OR "Surgical Wound Infection"))) AND ts=("success rate" OR "success rates" OR "success" OR succes\* OR "failure rate" OR "failure rates" OR "failure" OR fail\* OR "infection control" OR "Treatment Outcome" OR "Treatment Outcome" OR "outcome" OR "outcomes")) NOT ti=("veterinary" OR "rabbit" OR "rabbits" OR "animal" OR "animals" OR "mouse" OR "mice" OR "rodent" OR "rodents" OR "rat" OR "rats" OR "pig" OR "pigs" OR "porcine" OR "horse" OR "horses" OR "equine" OR "cow" OR "cows" OR "bovine" OR "goat" OR "goats" OR "sheep" OR "ovine" OR "canine" OR "dog" OR "dogs" OR "feline" OR "cat" OR "cats") NOT ti=(("Case Reports" OR "case report") NOT ("Review" OR "review" OR "Clinical Study" OR "trial" OR "RCT"))

## Cochrane Library

((("Debridement" OR "debridement" OR debrid\* OR "DAIR" OR "debridement, antibiotics and implant retention" OR "debridement, antibiotics and implant retention dair" OR "debridement, antibiotics, and implant retention" OR "implant retention") AND (("Prosthesis Infection" OR "Prosthesis Infections" OR "Prosthetic Infection" OR "Prosthetic Infections" OR "Prosthetic Joint Infection" OR "Prosthetic Joint Infections" OR "Prosthesis-Related Infections" OR "Prosthesis-Related Infection" OR "peri prosthetic joint infection" OR "peri prosthetic joint infections" OR "periprosthetic joint infection" OR "periprosthetic joint infections") OR (("Prosthesis" OR prosth\*) AND ("Joint" OR "Joints" OR "Joints" OR "knee" OR "shoulder" OR "elbow" OR "hip" OR "knees" OR "shoulders" OR "elbows" OR "hips") AND (exp\*"Infection" OR infect\* OR "deep infection" OR "Wound Infection" OR "Sepsis" OR "Surgical Wound Infection"))) AND ("success rate" OR "success rates" OR "success" OR

succes\* OR "failure rate" OR "failure rates" OR "failure" OR fail\* OR "infection control" OR "Treatment Outcome" OR "Treatment Outcome" OR "outcome" OR "outcomes")):ti,ab,kw

## Included studies

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Debridement, Antibiotics, and Implant Retention: An Observational Study of 575 Patients with Infection After Primary Total Hip Arthroplasty. *JB JS Open Access*. 2020 Dec 15;5(4):e20.00110. doi: 10.2106/JBJS.OA.20.00110. PMID: 33376927; PMCID: PMC7757835.

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