

Appendix 2d: Studies related to different types of gloving - SSI outcome

Author, year, reference	Country/ study period	Type of study/ setting	Intervention	Comparator	Primary outcome	Results	Limitations
Sanders 1990 (10)	USA 1988	RCT: randomized by opening a consecutively numbered and sealed envelope. Orthopaedic surgery (n=50)	Inner pair of standard latex gloves + cotton-cloth outer gloves (n=25).	Inner pair of standard latex gloves + latex outer gloves (n=25).	Postoperative infection Unknown criteria Follow-up period unknown.	No reports of postoperative infection.	Blinding unknown. No clear inclusion and exclusion criteria. Follow-up period unknown. No validated SSI definition. No <i>a priori</i> sample size calculation. Number of patients lost to follow-up unknown.

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Sebold 1993 (11)	USA 1990	RCT: randomized by opening a consecutively numbered and sealed envelope. Orthopaedic surgery (arthroplasties and revision) (n=71)	Inner pair of standard latex gloves + outer "orthopaedic" gloves (n=25). Repel gloves between 2 regular latex gloves (n=24).	Inner pair of standard latex gloves + latex outer gloves (n=22).	Postoperative infection Unknown criteria Follow-up period unknown.	No reports of postoperative infection	Blinding unknown. No clear inclusion and exclusion criteria. Follow-up period unknown. No validated SSI definition. No <i>a priori</i> sample size calculation. Number of patients lost to follow-up unknown.

SSI: surgical site infection; RCT: randomized control trial.