

KNOWLEDGE FLASH



GLOBAL RECOMMENDATIONS AND GUIDELINES ON DOUBLE GLOVING

Surgery poses an increased risk of bloodborne pathogen (BBP) exposure to healthcare workers and patients.¹ Surgical gloves have been recognized as an effective barrier to minimize this risk and reduce potential cross-contamination that can lead to the development of healthcare-associated infections.¹ Evidence supports the use of double gloving with a darker-colored underglove, as part of an indicator system, to decrease the risk from percutaneous injury and provide an effective barrier to BBP exposure.² Double gloving is a global standard endorsed by many professional healthcare organizations.

Professional Organizations Recommendations in Support of Double Gloving



https://www.who.int/



https://aorn.org/



https://www.aaos.org/



https://www.facs.org/



https://www.cdc.gov/

"Double gloving in countries where there is a high prevalence of Hep B (HBV), Hep C (HCV) and HIV for long surgical procedures (>30 minutes). For contact with a large amount of body fliuds or blood, high risk orthopedic procedures are considered an appropriate practice."3

"Scrubbed team members should wear two pairs of sterile surgical gloves (ie, double glove), and use a perforation indicator system."4

Supports the recommendation of double gloving during all surgical procedures.⁵

"The universal adoption of the double glove (or under glove) technique to reduce exposure to body fluids resulting from the glove tears and sharps injuries. In certain delicate operations, and in situations where it may compromise the safe conduct of the operation or safety of the patient, the surgeon may decide to forgo this safety measure."6

"Double gloving provides an extra layer of safety during direct patient care and during the PPE removal process. Utilizing different colored gloves for each layer helps to rapidly identify any breaches in glove integrity."7



https://www.acorn.org.au/



https://www.ast.org/



https://www.afpp.org.uk/



https://eorna.eu



https://www.ornac.ca/

Standards contain recommendations that nurses shall "double glove with a perforation indicator system" and "change gloves after a maximum wear time of 1.5 to 2 hours".8

"Members of the sterile surgical team should double glove for added protection and consequently to reduce the risk of exposure to patient blood and body fluids. The team members should wear a colored glove as the innermost glove."9

"Recognize staff and environmental contamination risk from glove perforation and double gloving with a different colour underglove may reduce this risk."10

"Double gloving is a recommended practice". The risk from perforation can also be decreased when a colored underglove is worn.11

"Double gloving provides an additional **barrier** and further reduces the risk of contamination and subsequent infection. Wearing two pairs of gloves significantly reduces the number of perforations to the inner glove."12

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