

Effective and safe

Surgical Site Skin Preparation

2024



What drives us

We protect and improve
the health of people
around the world

B|BRAUN
SHARING EXPERTISE

Global Guidelines for the Prevention of Surgical Site Infections, 2018

- SSI's affect up to 1/3 of operated patients
- SSI's increase the length of hospital stay by 3 – 20 days
- SSI's have a significant economic burden & impact on the patients' quality of life

Recommends alcohol-based antiseptic solutions based on Chlorhexidine Gluconate (CHG) for surgical site preparation to reduce the risk of surgical site infections (SSI)

Surgical site skin preparation is the preoperative treatment (cleaning and disinfection) of the patient's intact skin done prior to surgery within the operating room

Objective



- Reduce the microbial load of the patient's resident skin flora
 - Reduce the risk of wound contamination
- Thereby reducing the risk of SSI's

Technique



- Apply solution on visibly clean skin using friction
- Use adequate amount of solution on prep ball or gauze
- Move from center of the incision site outwards (clean to dirty)
- Allow solution to air dry before incision

Considerations



- Perform skin preparation immediately before draping and incision
- Alcohol & Chlorhexidine-based antiseptics effective in reducing SSI's
- Follow correct procedure to prevent medico-legal risks



CONCLUSION

Effective skin antisepsis prior to surgery help reduce the risk of SSI's





Medico-legal
risks when using
antiseptics in theatre

- Chemical or diathermy burns due to antiseptic skin solution pooling under the patient, tourniquet cuff, diathermy plate, etc.

Use antiseptics correctly
to prevent patient harm.

Surgical Site Skin Preparation: Prevent pooling of antiseptics and chemical burns



- Do not douche or pour the antiseptic over the patient's skin



- Use adequate amount on prep ball or gauze to apply the antiseptic
- Ensure it is not dripping wet



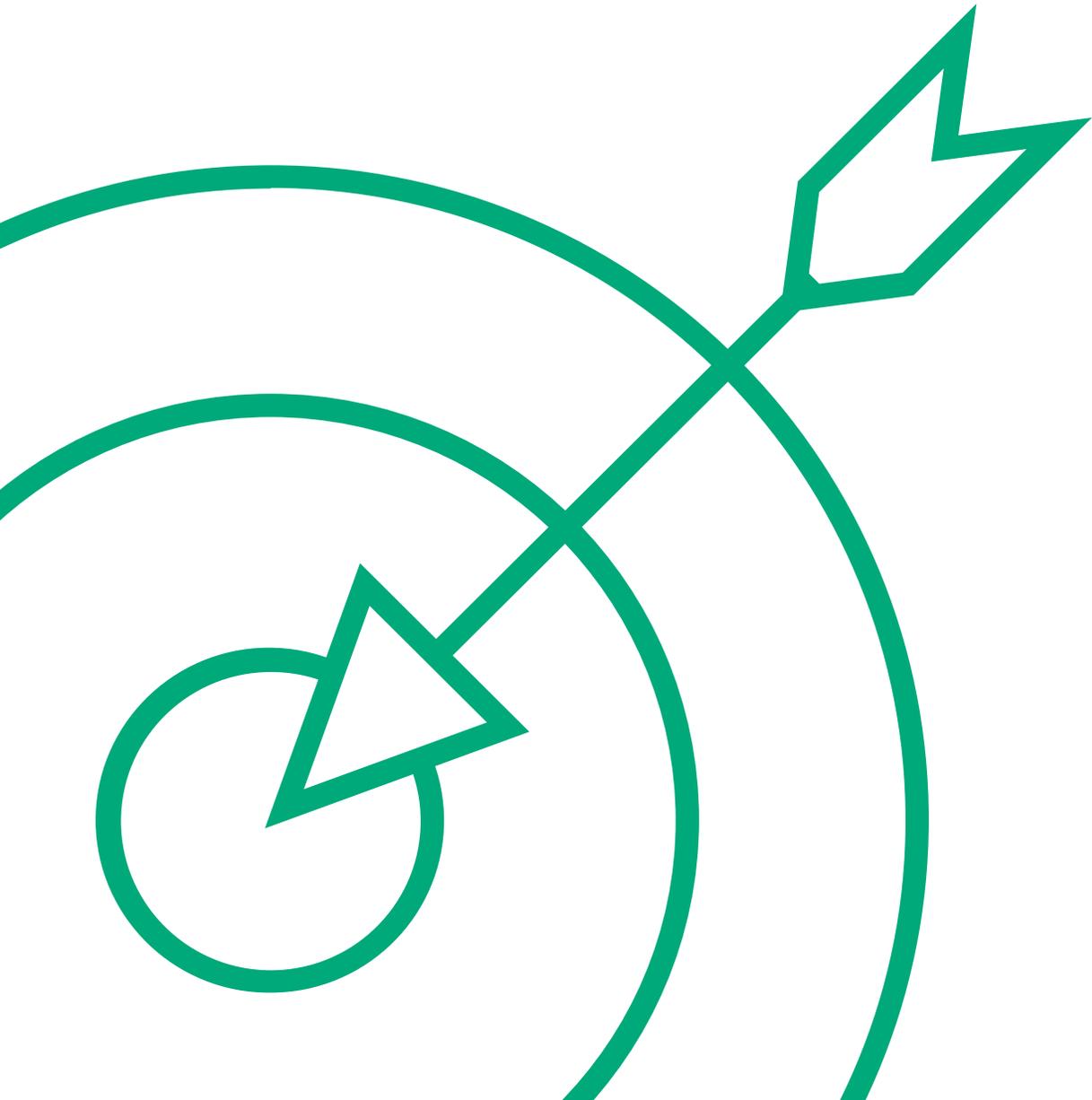
- Remove wet linen savers/towels from underneath the patient prior to commencing the procedure



- Do not drape the patient while the skin is still wet
- Prevent pooling underneath the patient, drapes, bloodpressure cuffs, tourniquets, etc.



- Alcohol preparations are flammable
- Allow sufficient time to evaporate completely before using diathermy or laser instruments



B. Braun Product Portfolio

- Locally manufactured in South Africa
- SAHPRA registered & GMP compliant manufacturing site

Biotaine in Alcohol

Alcohol & Chlorhexidine-based skin antiseptic
Alcohol-based solutions provide rapid and immediate effect
Broad-spectrum



- 70 % v/v Propyl Alcohol
- 0.5 % w/v Chlorhexidine Gluconate
- Red colourant
- S0 SAHPRA registered 33/13.1/0526
- Sizes: 50 mL, 500 mL, 1 L, 5 L

Precautions:

- Do not use if sensitive to chlorhexidine
- Do not use on neonates
- Do not use on non-intact skin or eyes

2 % Chlorhexidine Gluconate in Alcohol



- 70 % v/v Isopropyl Alcohol
- 2 % w/v Chlorhexidine Gluconate
- Red colourant
- Sizes: 50 mL, 500 mL

Precautions:

- Do not use if sensitive to chlorhexidine
- Do not use on neonates
- Do not use on non-intact skin or eyes

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PVP-I Solution

10 % Povidone Iodine aqueous solution

- 10 % Povidone Iodine
- S0 SAHPRA registered Q/13.1/65
- Sizes: 50 mL, 500 mL ,1 L

Precautions:

- Do not use on neonates - causes hypothyroidism
- Do not used if sensitive to Iodine

Biotaine in Alcohol



- 70 % v/v Propyl Alcohol
- 0.5 % w/v Chlorhexidine Gluconate
- Red colourant
- S0 SAHPRA registered 33/13.1/0526
- Sizes: 500 mL
- Product Code: DM0501291T GVT

Precautions:

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Thank you and
stay healthy!

