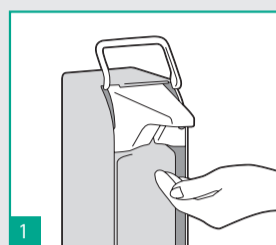
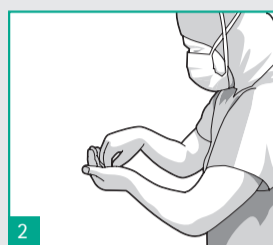


The handrubbing technique for surgical hand preparation must be performed on perfectly clean, dry hands. On arrival in the operating theatre and after having donned theatre clothing (cap/hat/bonnet and mask), hands must be washed with soap and water. After the operation when removing gloves, hands must be rubbed with an alcohol-based formulation or washed with soap and water if any residual talc or biological fluids are present (e.g. the glove is punctured).

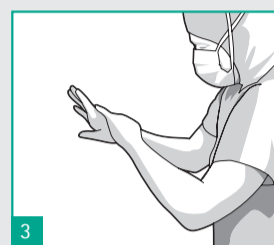
Surgical procedures may be carried out one after the other without the need for handwashing, provided that the handrubbing technique for surgical hand preparation is followed (images 1 to 17).



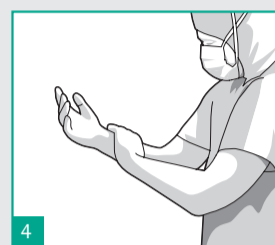
1 Put approx. 5 ml (3 doses) of alcohol-based handrub in the palm of your left hand.



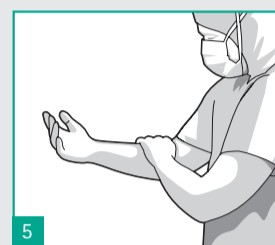
2 Dip the fingertips of your right hand in the handrub to decontaminate under the nails (5 sec).



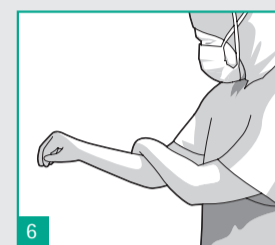
3 Images 3-7: Smear the handrub on the right forearm up to the elbow. Ensure that the whole skin area is covered by using circular movements around the forearm until the handrub has fully evaporated (10-15 sec).



4 See legend for image 3.



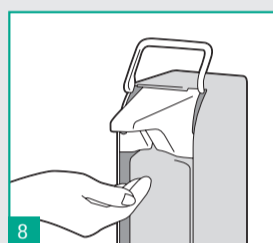
5 See legend for image 3.



6 See legend for image 3.



7 See legend for image 3.



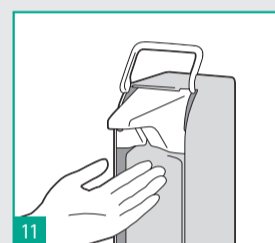
8 Put approx. 5 ml (3 doses) of alcohol-based handrub in the palm of your right hand, using the elbow of your other arm to operate the dispenser.



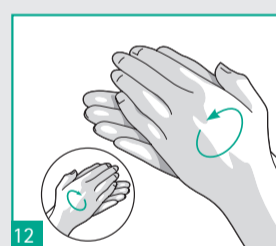
9 Dip the fingertips of your left hand in the handrub to decontaminate under the nails (5 sec).



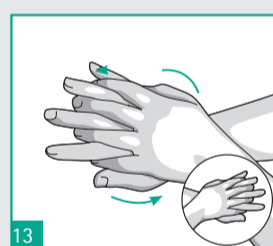
10 Smear the handrub on the left forearm up to the elbow. Ensure that the whole skin area is covered by using circular movements around the forearm until the handrub has fully evaporated (10-15 sec).



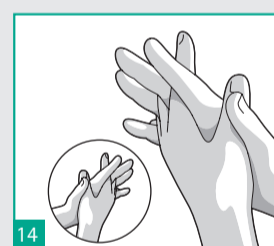
11 Put approx. 5 ml (3 doses) of alcohol-based handrub in the palm of your left hand. Rub both hands at the same time up to the wrists and ensure that all the steps represented in images 12-17 are followed (20-30 sec).



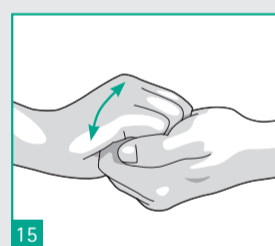
12 Cover the whole surface of the hands up to the wrist with alcohol-based handrub, rubbing palm against palm with a rotating movement.



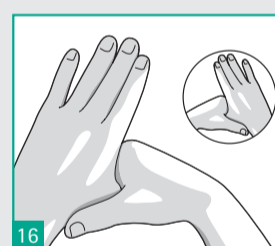
13 Rub the back of the left hand, including the wrist, moving the right palm back and forth and vice-versa.



14 Rub palm against palm, back and forth with fingers interlinked.



15 Rub the back of the fingers by holding them in the palm of the other hand with a sideways back and forth movement.



16 Rub the thumb of the left hand by rotating it in the clasped palm of the right hand and vice versa.



17 When the hands are dry, sterile surgical clothing and gloves can be donned.

Repeat the above-illustrated sequence (average duration, 60 sec) according to the number of times corresponding to the total duration recommended by the manufacturer for surgical hand preparation with an alcohol-based handrub.

SURGICAL HAND PREPARATION

TECHNIQUE WITH AN ALCOHOL-BASED HANDRUB FORMULATION