

3M Science.
Applied to Life.™

**Reduce nicks.
Raise standards.**

3M™ Surgical Clippers.



3M™ Surgical Clipper Professional 9681

For use with 9680 blade

Designed to minimise nicks and cuts

- 9680 blade helps prevent skin from being pulled into the cutting blade
- Away-from-the-skin blade positioning minimises the potential for nicks or cuts
- In clinical studies, the 3M™ Clipper Professional 9681 demonstrated a nick rate of just 5%, compared with the CareFusion® 4406 General Purpose Blade at 25%¹
- Single blade for standard and trauma procedures
- Removes all types of hair in a single pass
- 120 minutes of use time on a 4-hour recharge
- LED indicator lights provide battery charge status



One Blade

The 9680 blade is effective for standard clipping and trauma procedures and all types of head and body hair, including sensitive areas of the body. The single-blade approach not only helps the OR standardise clipping protocols, it also eliminates the need to purchase multiple clippers.

Changing Blades



Attach

Remove backing from the blade packaging. Without touching the blade, hold the clipper body over the blade and slide into position until it clicks.



Remove

Hold the blade facing down. Push the blade release button with your thumb, allowing the used blade to fall into a sharps waste receptacle.

NOTE: Always use a new blade for each patient to avoid cross-contamination.

Clipping



Push

Position the clipper like a pencil with the blade flat or at a slight angle on the skin surface. Gently push the clipper forward against the direction of the patient's hair growth.

NOTE: Do not use excessive pressure to push the clipper down on the patient's skin.



Pull

Position the blade flat or at a slight angle on the skin surface and gently pull the clipper toward you.

NOTE: Do not rake the blade across the patient's skin. Clipper will not cut hair if used incorrectly.

Cleaning



Rinse

With the clipper turned "off" and the blade removed, rinse the handle under warm running water. Ensure clipper is thoroughly dry before recharging or reusing.

NOTE: If choosing to rinse, rinsing should be completed prior to disinfecting with a wipe or submersion.



Wipe

With the clipper in the "off" position and the blade removed, wipe the clipper handle with an alcohol or disinfectant wipe. Ensure clipper is thoroughly dry before recharging or reusing.



Submerge

With the clipper in the "off" position and the blade removed, soak the clipper in a high-level disinfectant solution. Ensure clipper is thoroughly dry before recharging or reusing.

CAUTION: Do not submerge clipper in water or other solution deeper than 15 cm or longer than 15 minutes.

Charging



Charge

Before initial use, charge the clipper for 4 hours. After each use, store the handle in the "off" position in the plugged-in charge stand. The Clipper provides 120 minutes of cordless use time on a 4-hour recharge.

When fully charged, the top three LED light gauges will be green and the bottom two will be yellow. When the battery needs recharging, the lowest LED light will blink. During recharge, LED lights will blink. The level of the charge can be determined by the light blinking at that time.

Refer to package insert for warnings and more detailed instructions.

3M™ Surgical Clipper 9661L

For use with 9660 blade

Pivot head conforms to body contour

The surgical clipper with a pivoting head that helps you give patients a comfortable clipping experience. The pivoting head conforms to body contours, skin folds and creases.

- Has a nick rate of less than 2%, helping to reduce the risk of SSIs¹
- Approximately 160 minutes of run time on a 4-hour recharge
- Ergonomic design that's easy to hold
- Battery indicator light shows when it's time to recharge



Easy to charge, use and clean.

Changing blades



Attach

Remove backing from the blade packaging, hold the clipper at a 45-degree angle and snap on single-use blade 9660.

Note: An audible snap indicates that the blade is securely attached.



Remove

Use your thumb to “pop off” the used blade into a sharps container.

Note: Always use a new blade for each patient to avoid cross-contamination.

Clipping



Push

Position the clipper like a pencil with the clipper blade flat or at a slight angle on the skin surface. Gently push the clipper forward, against the direction of the patient’s hair growth.

Note: Do not use excessive pressure to push the clipper down on the patient’s skin.



Pull

Position the blade flat or at a slight angle on the skin surface and gently pull the clipper toward you.

Note: Do not rake the blade across the patient’s skin.

Cleaning



Submerge

With the clipper in the “off” position and the blade removed, soak the clipper in water. Ensure clipper is thoroughly dry before recharging or reusing.



Or rinse

With the clipper in the “off” position and the blade removed, rinse the handle under running water. Ensure clipper is thoroughly dry before recharging or reusing.



Then wipe

With the clipper in the “off” position and the blade removed, wipe the clipper handle with a disinfectant wipe.

Note: Rinsing or submersing should be done prior to disinfecting.

Charging

Before initial use, charge the clipper for 4 hours. After each use, store the clipper handle in the “off” position in the plugged-in charge stand. The clipper provides approximately 160 minutes of run time on a 4-hour recharge. When charged, the light will be green. When the battery needs recharging, and during recharge, the light will flash amber. Once the green light turns to a flashing amber light, there is approximately 10 minutes of clipping time remaining. Refer to package insert for warnings and more detailed instructions.



Clipping results in fewer cuts and lower infection rates than shaving.

Research clearly shows that shaving produces nicks, cuts and microscopic epidermal injuries that can permit bacterial contamination at the operative site.²

These injuries occur less with proper clipping. As a result, clipping reduces infection rates – the evidence is overwhelming:

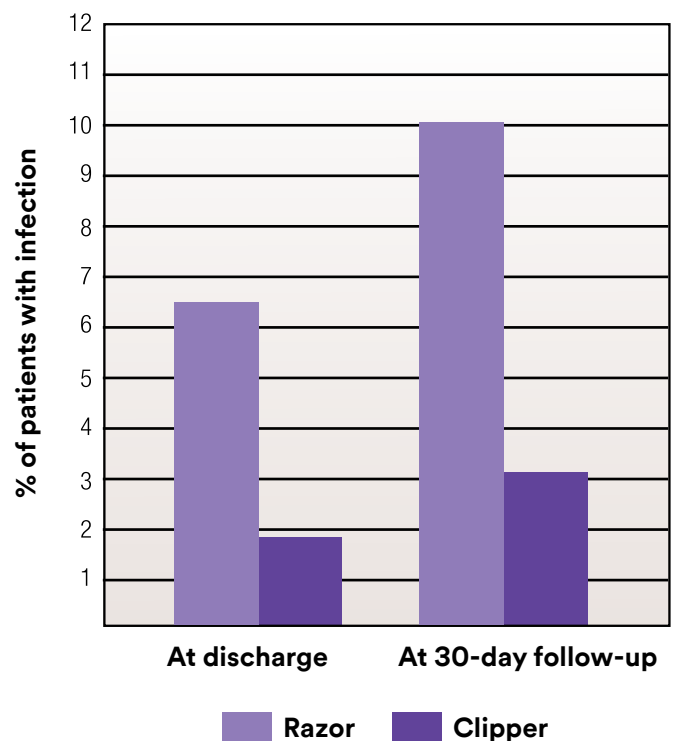
Sellick et al.³ found that using a clipper appears to have decreased the risks of deep wound infection compared to razor preparation. Ko et al⁴ concluded that electrical clipping is superior to manual shaving in the prevention of suppurative mediastinitis. ACORN, APIC, the CDC, IHI, SCIP and other healthcare organisations recommend clipping rather than shaving as a pre-op hair removal method.^{5,6,7,8}

Clip the high cost of infections

Clipping not only cuts the risk of infection, but also helps cut costs – partly because infections can lead to longer hospital stays.

- Alexander et al. study found that the length of stay would be reduced by 656 days per 1,000 patients, resulting in a savings of US \$275,000, if all patients were clipped the morning of surgery rather than shaved.⁹
- Hamilton et al. study found that the cost of clipping was less than half that of using a razor for pre-op prepping, and 11 times less than using a depilatory.¹⁰
- Clipping also offers other benefits over shaving – and depilatories, too. Fewer delays at the beginning of surgical procedures. No depilatory rash. And more efficient use of OR staff.¹¹

Infection Rates Clipping vs. Shaving






Alexander et al found that clipping resulted in significantly lower infection rates than razor preparation, both at discharge of the patient and within a 30-day follow-up.⁹ (Patients were shaved or clipped the morning of surgery.)







Ordering Information

3M™ Pro Clipper

	Catalog Number	Product Description	Items/Box	Boxes/Case
	9680	3M™ Surgical Clipper Professional Blade 9680	50	1
	9681	3M™ Surgical Clipper Professional 9681	1	4
	9685	3M™ Surgical Clipper Professional Drop-in Charger Stand with Cord for 9681	1	1

3M™ Pivoting Clipper

	Catalog Number	Product Description	Items/Box	Boxes/Case
	9660	3M™ Surgical Clipper Blade 9660 (Same as existing clipper blade)	50	1
	9661L	3M™ Surgical Clipper 9661L with Pivoting Head (Replaces existing 9661 Clipper)	1	1
	9663L	3M™ Surgical Clipper Charger for 9661L (Replaces existing 9663 Clipper Charger)	1	1
	9667A-L	3M™ Surgical Clipper Starter Kit 9667L: 3M™ Surgical Clipper 9661L and 3M™ Surgical Clipper Charger 9663L (Replaces existing 9667A Clipper Starter Kit)	1	1

References

(1) Study EM-05-012508 A 3M commissioned study, conducted externally and independently. Tested Carefusion 4406 blade with 4413 clipper. (2) Shannon, John Jr. et al, "Preoperative Skin Preparation and Wound Infection," *Infections in Surgery*, June 1985. (3) Sellick JA Jr. et al, "Surveillance of surgical wound infections following open heart surgery," *Infection Control and Hospital Epidemiology*, 1991; 12:591–596. (4) Ko, Wilson et al, "Effects of Shaving Methods and Intraoperative Irrigation on Suppurative Mediastinitis After Bypass Operations," *The Society of Thoracic Surgeons*, 1992; 53:301–305. (5) Australian College of Perioperative Nurses Ltd (ACORN). *Standards for Perioperative Nursing in Australia* 15th ed. Adelaide, South Australia: ACORN; 2018. (6) "Recommended Practices: skin preparation of patients," *AORN Journal*, 1992; 56:937–941. (7) "Infection Control and Applied Epidemiology Principals and Practice." APIC, Mosby Year Book, 1996, Chapter 11 — Surgical Site Infections. (8) *Guidelines for Prevention of Surgical Wound Infections*, Centers for Disease Control, U.S. Public Health Service, Revision 1985, 2. (9) Alexander, Wesley et al, "The Influence of Hair Removal Methods on Wound Infections," *Archives of Surgery*, 1983; 118:347–352. (10) Hamilton HW, Hamilton KR, Lone FJ: "Preoperative hair removal" *Can J Surg*, 1977; 20:269–275. (11) Olson, Mary et al, "Preoperative hair removal with clippers does not increase infection rate in clean surgical wounds." *Surgery, Gynecology & Obstetrics*, 1986; 162:181–182.



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