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› SURGICAL ONLINE Castration Plier Instruction Manual

SURGICAL ONLINE 593e6e68-ba0e-4e53-a91b-a4882f7d6862

SURGICAL ONLINE Castration Plier Instruction Manual

Model: 593e6e68-ba0e-4e53-a91b-a4882f7d6862

1. INTRODUCTION

The SURGICAL ONLINE Castration Plier is a professional-grade veterinary instrument designed for bloodless castration of livestock. Utilizing a Burdizzo-style mechanism, it crushes the spermatic cords without breaking the skin, minimizing trauma and reducing the risk of infection. Constructed from durable stainless steel, this plier is built for reliability and long-term use in various livestock management settings.



Image 1.1: The SURGICAL ONLINE Castration Plier, a stainless steel instrument designed for bloodless castration.

2. SAFETY INFORMATION

Proper use of this instrument is critical for animal welfare and user safety. Always adhere to the following guidelines:

- **Professional Use Only:** This instrument is intended for use by trained veterinarians or experienced livestock handlers. Improper use can cause severe injury to the animal.
- **Hygiene:** Always sterilize the plier before and after each use to prevent the spread of disease. Use appropriate veterinary disinfectants.
- **Animal Restraint:** Ensure the animal is properly restrained to prevent sudden movements that could lead to injury to the animal or handler.
- **Inspection:** Before each use, inspect the plier for any damage, wear, or misalignment. Do not use if the instrument is compromised.
- **Post-Procedure Monitoring:** Closely monitor the animal after the procedure for any signs of discomfort, swelling, or complications. Consult a veterinarian if concerns arise.
- **Storage:** Store the plier in a clean, dry place, away from children and untrained personnel.

3. SETUP

Before using the castration plier, ensure it is prepared correctly:

1. **Cleaning:** Thoroughly clean the plier with a suitable cleaning solution to remove any debris.
2. **Sterilization:** Sterilize the plier using an autoclave or appropriate chemical sterilization method as per veterinary standards. Ensure the instrument is completely dry before use.
3. **Lubrication (Optional):** A small amount of medical-grade lubricant can be applied to the pivot points to ensure smooth operation, if necessary.



Image 3.1: Close-up view of the plier's jaws, highlighting the crushing mechanism. Ensure these surfaces are clean and free of debris before use.

4. OPERATING INSTRUCTIONS

The Burdizzo method provides a bloodless castration by severing the spermatic cords. Follow these steps carefully:

1. **Restrain the Animal:** Securely restrain the animal to prevent movement during the procedure. This is paramount for safety and effectiveness.
2. **Locate Spermatic Cords:** Palpate the scrotum to locate one of the spermatic cords. Ensure the cord is isolated and positioned correctly within the plier's jaws.
3. **Apply the Plier:** Place the plier on the spermatic cord, ensuring the jaws are positioned approximately 1 inch (2.5 cm) above the testicle and slightly off-center from the median raphe (the central line of the scrotum). This offset helps prevent crushing both cords simultaneously and reduces the risk of scrotal damage.
4. **Crush the Cord:** Firmly close the plier handles until a distinct "crunch" is felt, indicating the spermatic cord has been crushed. Hold the plier closed for at least 10-15 seconds to ensure complete severance of the cord.
5. **Release and Reposition:** Release the plier and reposition it on the second spermatic cord. Ensure there is a slight overlap (about 0.5 inch or 1.25 cm) with the previously crushed area to guarantee complete severance of both cords.
6. **Repeat for Second Cord:** Repeat the crushing process for the second spermatic cord, holding the plier closed for the same duration.
7. **Post-Procedure Check:** After releasing the plier, palpate the scrotum to confirm that both spermatic cords have been completely severed. The testicles should feel detached.



Image 4.1: The plier with its jaws open, ready for application. Note the ergonomic handles for comfortable grip.



Image 4.2: Detailed view of the plier's robust hinge and crushing mechanism, designed for effective and humane operation.



Image 4.3: The plier's jaws in a closed position, demonstrating the crushing action. The smooth, rounded edges minimize skin damage.



Image 4.4: The overall design of the plier, suitable for various livestock sizes, from small lambs to larger cattle and goats.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and effectiveness of your SURGICAL ONLINE Castration Plier:

- **Cleaning:** Immediately after each use, clean the plier to remove any organic matter. Use a brush and a suitable cleaning solution.
- **Sterilization:** Always sterilize the instrument before storage.
- **Drying:** Ensure the plier is completely dry after cleaning and sterilization to prevent corrosion.
- **Lubrication:** Periodically apply a thin coat of medical-grade mineral oil or instrument lubricant to the pivot points and moving parts to maintain smooth operation and prevent rust.
- **Storage:** Store the plier in a clean, dry, and protected environment to prevent damage and contamination.

6. TROUBLESHOOTING

If you encounter issues with your castration plier, consider the following:

Problem	Possible Cause	Solution
Plier feels stiff or difficult to close.	Lack of lubrication, debris in hinge.	Clean thoroughly and apply medical-grade lubricant to pivot points.
Incomplete crushing of spermatic cord.	Insufficient pressure, incorrect placement, plier wear.	Ensure firm closure and correct positioning. Hold for adequate time (10-15 seconds). Inspect plier for wear; replace if necessary.
Animal shows excessive discomfort post-procedure.	Incomplete severance, infection, other complications.	Consult a veterinarian immediately. Ensure proper technique and hygiene for future procedures.
Rust spots appearing on the plier.	Improper drying, inadequate storage, exposure to moisture.	Ensure thorough drying after cleaning/sterilization. Store in a dry environment. Apply rust preventative if suitable for medical instruments.

7. SPECIFICATIONS

Feature	Detail
Brand	SURGICAL ONLINE
Material	Stainless Steel
Color	Silver
Handle Material	Stainless Steel
Item Weight	1 Pounds (approx. 0.45 kg)
Specific Uses For Product	Livestock Castration (Bloodless)
Grip Type	Ergonomic
UPC	070977203889
Model Number	593e6e68-ba0e-4e53-a91b-a4882f7d6862
Package Dimensions	10.28 x 4.29 x 1.97 inches (approx. 26.1 x 10.9 x 5 cm)

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact SURGICAL ONLINE directly or refer to their official website. Ensure you have your product model number and purchase details available when contacting support.

You can visit the official SURGICAL ONLINE store for more information and products:[SURGICAL ONLINE Store](#)

