

# Circumplast®

Novadien Healthcare has developed a new circumcision device, Circumplast®. At Novadien, we believe that the skills of the medical professional should dictate the effectiveness of the circumcision. We have therefore developed a device which aims to compliment the skills of the medical professional in a simple and elegant way to achieve the safest circumcision available. Circumplast has also completely eliminated any risks involved with proximal migration of the device due to the cylindrical design. This ensures that the glans can never be injured due to the device migrating proximally.



## Benefits of Circumplast®

- The glans of the penis is kept completely safe throughout the entire procedure, from the first step of inserting the device over the glans through to the device naturally falling off after several days.
- This also helps to prevent direct contact with the external meatal opening and nappies which could prevent meatal stenosis in the future.
- Circumplast is unique in its ability to allow for multiple locations in which the surgeon may secure the ligature which comes sterilized with the device.
- The proximal lip of the device helps to cut the inner mucosal skin very close to the coronal sulcus. This also prevents future adhesion of the inner mucosal skin to the glans of the penis and gives a better cosmetic appearance
- The result of this innovative design is a simple procedure which allows the surgeon to simply choose the amount of foreskin to be removed by securing the ligature at any location desired.
- The handle of Circumplast® is design in such a way to ensure the surgeon can see the glans. The proximal lip provides a visual indicator of the device to make sure the correct position of the ligature is identified.
- Site at the breakage of the handle is away from glans of the penis.
- The surgeon has the option to change the location of ligature if it is placed incorrectly or if the inner mucosal skin is left longer than expected even after placing the ligature.
- Cleaning of the penis post circumcision is safe as water can enter the cavity between the Circumplast and the glans. The water is not retained in the cavity eliminating the possibility of the water remaining in this area because of the cylindrical shape of the device.

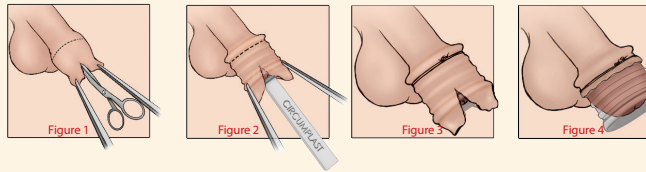


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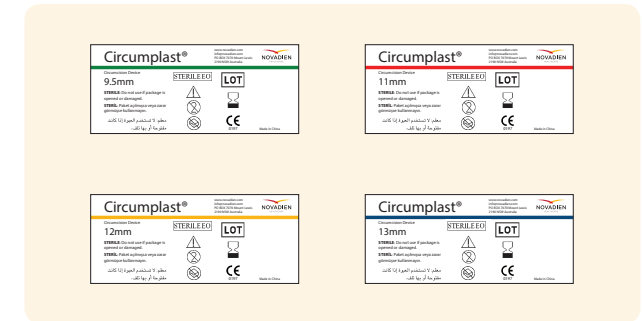
## Surgical Procedure





The Circumplast® device is a single-use sterile circumcision device made from plastic and comes with a ligature. The Circumplast® device is sterilised using Ethylene Oxide and is currently available in four sizes: 9.5 mm, 11 mm, 12 mm and 13 mm. The size is an indication of the inner diameter of the device which is inserted over the glans of the penis.

- Mark the level at which the circumcision is to occur. A local anaesthetic may be used at this time
- Gently separate the foreskin from the glans
- Ligate or electrocoagulate the frenulum vessels to avoid bleeding. Retract the foreskin with the frenulum proximally to reveal the glans and allow enough space for the device to be inserted properly.
- Make a dorsal slit long enough to ensure that the Circumplast device can be inserted (Figure 1)
- Insert the Circumplast device until the coronal sulcus has been reached. Fix the foreskin to the distal edge of the Circumplast® device with forceps (Figure 2).
- Secure the ligature found in the Circumplast® packaging at the location of the mark made earlier. Break the Circumplast® handle off once the ligature has been secured tightly (Figure 3).
- Excess foreskin should be cut and electrocoagulated (Figure 4). The device will fall off naturally after several days.
- The ligature can be secured along any part of the Circumplast circumcision device thus adjusting the amount of foreskin which will be removed. The Circumplast circumcision device must be inserted until the coronal sulcus is reached to ensure the device is static upon securing the ligature.



## Sizes and Packaging



Colour	Size	Plastibell Equivalent
	9.5mm	1.2cm
	11mm	1.3cm
	12mm	1.4cm
	13mm	1.5cm

## Expert Says

The Circumplast circumcision device is a new Australian device used to circumcise infants and young children. It provides a very safe procedure and early results suggest it is better in both safety and cosmetic results than the more traditional Plastibell circumcision device.

This is opinion by Paediatric Surgeon / Urologist who has a GMC Full registration in the specialist register with licence to practise in UK.



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