
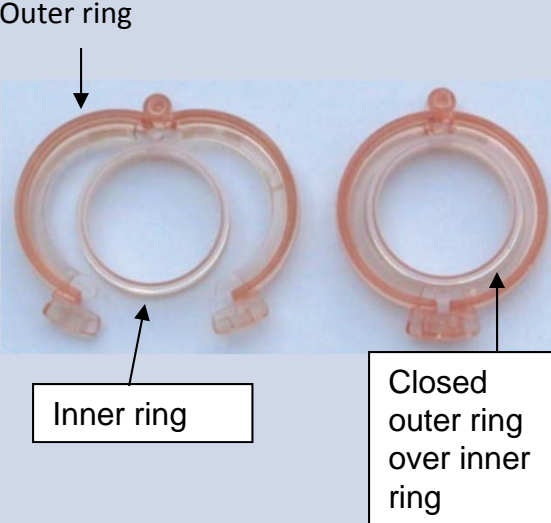
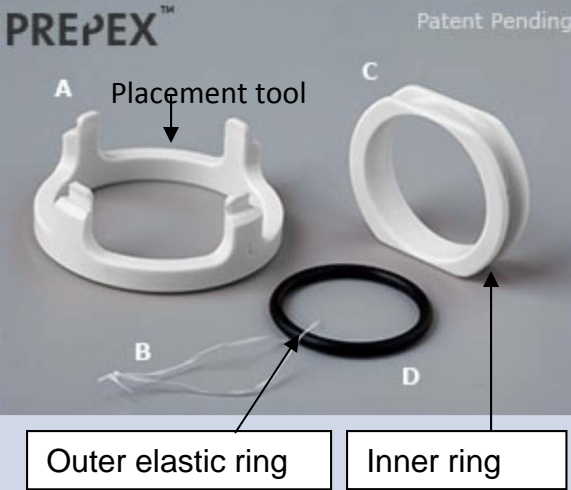


Introduction to MC medical devices ("Devices 101")

Godfrey Kigozi



Surgical circumcision, Shang Ring and Prepex devices

Surgical circumcision	Shang Ring device	Prepex device
		
<ul style="list-style-type: none"> •Foreskin is removed on day or surgery with a scalpel •Stitches used to control bleeding •Stitches dissolve and fall out in 7-9 days 	<ul style="list-style-type: none"> •Foreskin is removed on day of placement with a scalpel •Rings compress blood vessels to control bleeding •Client returns 5-9 days after placement for removal of the rings 	<ul style="list-style-type: none"> •Foreskin is not removed until approx 1 week after device placement •Blood supply is interrupted by pressure between rings leading to foreskin necrosis •Client returns 5-9 days after placement for removal of dried foreskin and rings •No bleeding normally

Shang Ring Procedure



Measuring



Inner ring insertion



Skin eversion



Outer ring placement and then foreskin cut away

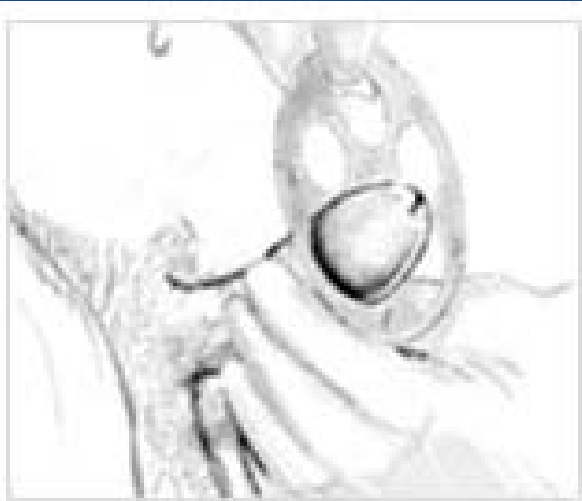


Device worn for approx 1 week



Cutting the ring at removal approx 1 week later

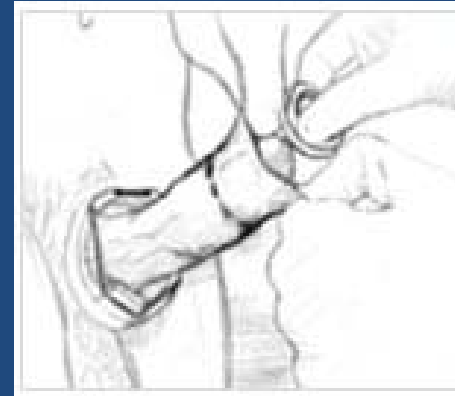
Prepex Placement Procedure



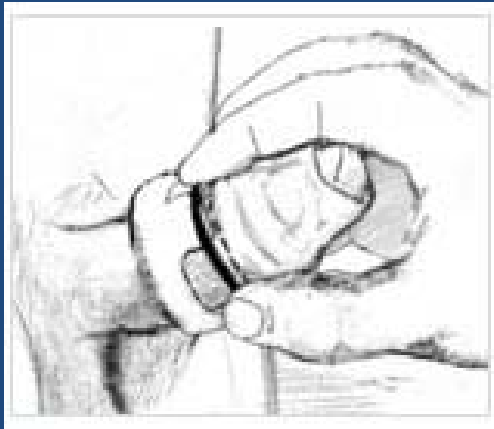
Selecting Size



Marking, based on WHO guidelines (not device related)

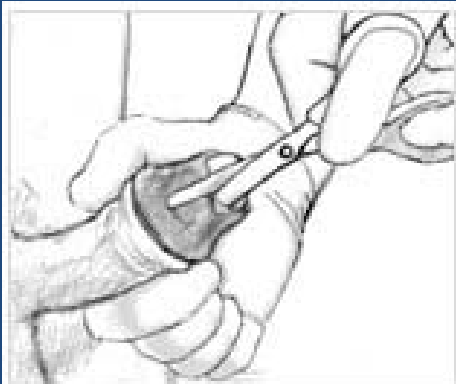


Preparing for placement and inserting Inner Ring

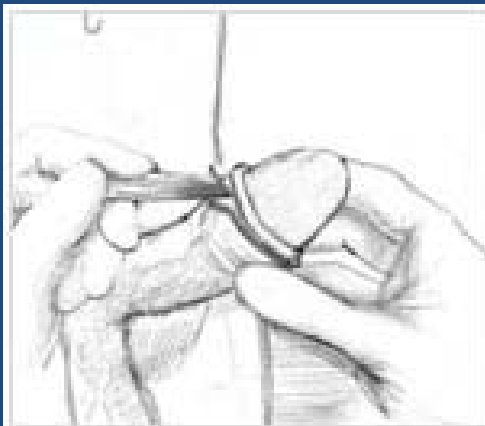


Removal Procedure

- After approx 1 week of wearing device



Remove dead foreskin
(like fingernails) with
blunt, safe scissors
(cannot harm glans)



Pierce Elastic Ring to pop
out



Extract Inner Ring with
fingers or spatula

A Comparison of the Surgical Method and the Shang Ring and PrePex devices.

	Surgical circumcision	Shang Ring device	Prepex device
Surgical skill level	High (MO, CO, Nurse)	Moderate (MO, CO, Nurse)	Low (MO, CO, Nurse)
Anaesthesia	Injectable	Injectable	Topical cream
Control of bleeding	Suture or cautery	Compression	NA – no bleeding
Suturing	Yes	No	NA
Placement time	~20 minutes*	~5 minutes*	~5 minutes
Removal time	NA	~3 minutes	~4 minutes
Possibility for Displacement	NA	Self removal, detachment	Self removal, detachment
Adverse events	<2%	<2%	<2%
Other	NA	Skilled surgical back-up required for rare AEs	Odor Skilled surgical back-up required for rare AEs
Abstinence	6 weeks after surgery or until wound healing	6 weeks after removal or until wound healing	7 weeks after removal or until wound healing

*Measurements do not include time required for injection and onset of local anesthesia