INTRODUCTION

Male circumcision is perhaps one of the oldest surgical procedures known to main kind. Although exact date and place of commencement of circumcision is not known, but its practice has been traced back up to 15000 years in certain regions of the world.¹

The word circumcision is derived from Latin (circumcido) which means to cut around. It is widely practiced around the world, particularly Muslim and Jews do it as a religion obligation. Technically male circumcision is a procedure in which foreskin is excised from the glans penis.²,³,⁴

Not very long ago most of the circumcision were done by barbers in villages and small town, not only as part of a tradition but also done due to lack of trained medical staff. Even now many people in hospital practice the old method of blind application of bone cutter to foreskin thereby endangering the glans.

Circumcision is now a day’s done either by open dissection method or by device method. In open surgery foreskin should removed by dissecting it away from the glans under vision, edges should be approximated and closed. In device method the device is placed under the foreskin and then it is removed. In both methods some form of local, general or topical anaesthesia should be given so as to reduce the pain.⁵

Besides religions and cultural demands circumcision is sometimes done on the bases of proven benefits in reducing the risk of urinary tract infections, carcinoma penis, carcinoma cervix, sexually transmitted diseases and HIV infection.⁶,⁷,⁸ It is also performed as a treatment option for phimosis and balanoposthitis. However it is relatively contra indicate in congenital abnormality such as hypopadia and bleeding disorders.

MATERIALS AND METHODS

This prospective study was conducted on 100 infants and children from the age 3 months to 7 years of age who were brought by their parents for circumcision in an outpatient clinic, between March 2005 up to March 2012. Children with congenital problems post-operative complicated cases and cases with bleeding disorders were excluded from this study. After proper history examination and investigations like blood CP, HCV, HBC, bleeding and clotting time.
Informed consent was obtained from parents of eligible infants based on entry criteria.

All infants were operated with Plastibell method. Infants were not fed for 1-2 hours prior to the procedure. After placing an infant on operation table the skin was prepared with povidone iodine (10%) solution. A dorsal nerve block was administered using 0.2 mL/kg of 2% lidocaine, with a 27-gauge needle.

Regardless of the technique, four minutes were allowed to elapse for all infants before beginning of circumcision procedures. In Plastibell technique, a plastic protective bell was placed over the glands and under the foreskin. A suture was placed around the entire foreskin, which would eventually fall off, after necrosis within several days. The parents of subjects were informed to return if the time of bell separation exceeded more than 10 days.

No dressing was applied in Plastibell method, analgesic like paracetamol or brufen, systemic and local antibiotics were given for 5 to 7 days.

All children were followed up until the wound was healed, along with observing them for any associated complications like infection, bleeding or hematoma, excess mucosa, bell disposition and delayed falling.

RESULTS
Considering the age and weight of the children, more than 90% had a normal weight.

In Plastibell method, local edema was major complication in 10 cases that is (10%) of the total operated cases that was relieve spontaneously in majority of case except few cases in which brufen was used as anti-inflammatory agent.

Delay separation of the plastibell ring was the 2nd most common complication in 8 cases that is (8%) of the total operated cases and this was due to 40 children’s as their age was 6 to 7 years and skin of the foreskin was thick.

Infection was 3rd common complication in 6 cases that is (6%) of the total operated cases and that was controlled with systemic and local antibiotic. Mild bleeding was noted in 5 cases after plastibell ring separation that was (5%) of the total operated cases and that was controlled with dressing and systemic antibiotic. In view of above there were 71% cases with no complications 29% of cases with minor complications were noted.

DISCUSSION
Circumcision one of the safe procedure, if the procedure is performed by the well experienced practitioner with the use of proper size of plastibell.9,10 The rate of Complications will be high when this procedure will be performed in poorly sterile condition, with poorly experience practitioner and some time when the child age will be more.11 Common complications are bleeding, infection, damage to the glance penis urethra etc.12,13,14 Other rare possible complications include skin bridges, urethral fistulas and meatal stenos etc. The chance for these complications will be less if we adopt proper technique, and most often these complications are treatable without requiring a hospital visit.
There are many techniques for circumcision but in our country most of the medical staff performs the conventional dissection, and plastibell commonly perform by surgeons and urologist in good standard hospital.

A large number of studies proposed that circumcision with using plastibell is easy, safe and quick method with low complications rate.\textsuperscript{15,16} When complications will be occurring they will be of low clinical importance and of easily treatable. These complications including hemorrhage, local infection, sepsis, metal ulceration, and poor cosmetic results are rare. In our study infection was noted in 6 % cases, this percentage is high comparative to the other studies, it was because of the poor hygiene and in some of the patient antibiotics were not give with proper does and duration. Post operative bleeding was noted in 5% cases mild during separation of the ring as some of the rings were not separated spontaneously and they were separated by childrens.8% cases there was delay separation of the ring as there were more than 30 children’s with age more than 6 years, this was due to the more thickness of the prepuce skin and there was no case with other associated problem like cosmetic, or hematoma damage to the urethra, edema of the glance penis, retention of urine. For the better results it is necessary that there should be good skill surgeon with correct size of the plastibell accurate ligation of the suture around the plastibell.\textsuperscript{17}

**CONCLUSION**

Circumcision using a plastibell device is a safe, quick and easy technique with low complications, that when occur are of low clinical importance and of easy resolution. For the better result it is necessary to operate in aseptic environment, there should be good skill surgeon, with correct size of the plastibell, accurate ligation of the suture with proper antibiotic and analgesic.

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“Best way to not get your heart broken, is pretend you don't have one.”

Charlie Sheen

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