“EFFECTIVENESS AND SAFETY OF VENTOUSE EXTRACTION VERSUS MANUAL EXTRACTION OF FETAL HEAD AT CESAREAN SECTION – A RANDOMIZED CONTROLLED TRIAL IN BELGAUM, KARNATAKA, INDIA”

REG. NO. BJ0111002

Dissertation

Submitted to the
KLE University, Belgaum, Karnataka

In Partial Fulfillment
of the requirements for the degree of

MASTER OF SURGERY
in
OBSTETRICS AND GYNAECOLOGY

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY,
JAWAHARLAL NEHRU MEDICAL COLLEGE,
BELGAUM, KARNATAKA

MAY - 2014

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ENDORSEMENT BY THE HOD/PRINCIPAL/ HEAD OF THE INSTITUTION

This is to certify that the dissertation entitled **"EFFECTIVENESS AND SAFETY OF VENTOUSE EXTRACTION VERSUS MANUAL EXTRACTION OF FETAL HEAD AT CESAREAN SECTION – A RANDOMIZED CONTROLLED TRIAL IN BELGAUM, KARNATAKA, INDIA"** is a bonafide research work done by **THE CANDIDATE REG. NO. BJ0111002**

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LIST OF ABBREVIATIONS USED

BMI	-	Body mass index
bpm	-	Beats per minute
cc	-	Cubic centimeter
CS	-	Caesarean section
C-Section	-	Caesarean section
g/dL	-	Gram per deciliter
gm	-	Gram
IV	-	Intravenous
Kg/m^2	-	Kilogram per meter square
mg/dL	-	Milligram per deciliter
mL	-	Milli litre
mm Hg	-	Millimeter of mercury
n	-	Total number
NFHS	-	National Family Health Survey
PPH	-	Post partum haemorrhage
SD	-	Standard deviation
SFH	-	Symphysio-fundal height
SNOSE	-	Sequentially Numbered Opaque Sealed Envelopes
VE	-	Vacuum extraction

ABSTRACT

Effectiveness and Safety of Ventouse extraction versus Manual extraction of fetal head at Cesarean Section – A Randomized controlled trial in Belgaum, Karnataka, India

Objective: To find out the effectiveness and safety of ventouse extraction of fetal head at cesarean section when compared to manual conventional extraction.

Study design: A randomized controlled trial.

Place: A teaching hospital: J N Medical College, Belgaum.

Intervention: Use of Ventouse extractor for the delivery of fetal head at cesarean section in study group.

Sample size: 150 (75 in each arm).

Outcome measures: Effectiveness - percentage of successful extractions (number of deliveries conducted by the assigned method). Maternal: Estimated blood loss (by estimating hemoglobin level prior to and 48 hours ± 12 hours of cesarean section using HemoCue machine), uterine incision extension. Neonatal: Apgar score, hyperbilirubinemia (occurring within 48 hours of delivery requiring intervention), scalp or head injury.

Results: As per the CONSORT flow diagram, 201 women were consented to participate in the study of which eligible 150 were randomized into 2 groups by SNOSE method. The outcome for analysis was available for 73 women (1 on table refusal and 1 had precipitate labor) in conventional manual group and 75 women in ventouse delivery group. Successful extraction was done in 91.78%

(67 out of 73) of babies in conventional extraction group compared to 94.67% (71 out of 75) babies in ventouse extraction group (p=0.484).

16 out of 73 women in conventional group had fall in hemoglobin of more than 20% compared to 7 out of 75 women (p<0.034). The uterine incision was significantly higher in conventional group, 12 of the 73 women (16.4%), whereas only 2 of the 75 women in ventouse group had uterine extensions (p<0.04).

Significantly higher number of babies had Apgar score of > 7 in ventouse group (82.67%) compared to conventional group (63.01%) at 1 minute. However no difference occurred in apgar score at 5 minute was observed. Hyper bilirubinemia was seen in 10.67% babies in ventouse group compared to 32.88% of babies in conventional extraction group which was statistically significant (p=0.001) as there were significantly more number of low birth weight babies (<2500gms) in conventional group.

Conclusion: We conclude that the routine use of ventouse is effective and safe for fetal head extraction at cesarean section.

Keywords:

Ventouse/Vacuum; Cesarean Section; Fetal Head; Blood Loss; Uterine Extensions

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Chapter 1

Introduction

INTRODUCTION

Technological advancement in medical science has eased human efforts to a great extent. From bypass cardiac surgery to catheter stunting, open laparotomy to laparoscopic surgery, sutures to surgical stapler & skin glue and many more, technology has helped in reducing patient morbidity.

Caesarean section is one of the frequently practiced surgical interventions worldwide today. The rate of caesarean section continues to increase in spite of efforts to reduce it.

In United States, cesarean delivery rate has increased tremendously since the 1990's reaching a peak of 32.9% in 2009. Presently, approximately one third of total number of births occurs by cesarean section.[1]

During 2008, in India there were 4, 03,695 cesarean section, with the rate being 8.5%. Rates as high as 43%, has been reported in cities like Delhi and Kolkata.[2]

The cesarean section rate at teaching referral tertiary care hospital attached to J N Medical College, Belgaum is 33-37% during the year 2009-2011.

Increase in the cesarean section rate has been observed in women of all age groups, race/ethnicity and at all gestational age, across the country. The possible reasons could be an increase in the primary cesarean section for subjective indications like fetal distress or non-reassuring fetal tracing, non-progress of labor etc and a decline in the rate of trial of labor. The indications have expanded to consider the patient's wishes and preferences. These subjective

indications have lead to cesarean delivery in the latent phase of labor or even electively before the onset of labor.

When cesarean section is performed before labor sets in, one may encounter considerable difficulty during delivery of the floating fetal head as the lower uterine segment is not well formed and remains thick and unyielding. The result is often traumatic or conscious extension of the uterine incision and unnecessary delay in delivering the fetal head.

The real challenge during delivery by cesarean section is the delivery of the fetal head through the uterine incision. Specially, when the presenting part is unengaged/ floating, this can create complications in the mother and the neonate.

Techniques to effect the delivery when such situation are encountered, include fundal pressure by assistants or anesthesiologists, permitting drainage of liqour till the head gets fixed to the incision, use of forceps, internal podalic version, addition of a vertical incision or extension of uterine incision – all of which can be distressing to both mother and newborn and might create infections and complications during birth.[3]

Ventouse extraction of the fetal head at cesarean section was reported originally by Solomons as early as 1962, using Malmstrom's vacuum cups that were made of steel, with slow generation of pressure.[4]

The metallic Malmstrom's vacuum cups were stainless steel cups attached with a steel chain to exert traction. These cups were so designed so as to permit formation of chignon with the slow generation of pressure. While the presently

available disposable ventouse cups can be described as soft cups (commonly used) and rigid cups. Soft cups are pliable or flexible bell/ funnel shaped cups made up of silicone, plastic or polyethylene. These soft cups are designed to work with rapid generation of pressure, without waiting to form chignon and to cause minimum trauma to the scalp and intracranial structure of neonate. Rigid mushroom shaped cups are designed like original Malmstrom's cup and have higher extraction rate and fewer pop offs when compared to soft cups. Also they are associated with increased incidence of scalp injuries when compared to soft ventouse cups.

If proved effective and safe, the technique will simplify the process of fetal extraction at cesarean section. It is comparable to the ease with which a ton of weight can be lifted easily by a machinery crane when compared to manually.

The advantages proposed with the use of ventouse for cesarean delivery are:

1. Since neither hand nor forceps are used, volume of the presenting part is not increased and compression of the head is also avoided;

2. Therefore it reduces the incidence of laceration or extension of the uterine incision;

3. Bleeding from the cut surfaces of the uterine incision is controlled by the uniform pressure of the fetal head when traction is exerted.[4]

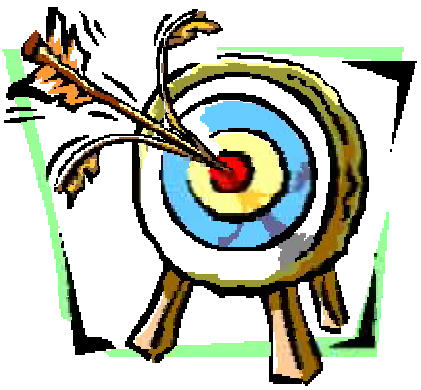
This technique's effectiveness and safety has been emphasized for over half a century now, unfortunately it is yet to be implemented worldwide, as a

common practice. Large scale comparative trial for safety and effectiveness are not available.

Considering the high rate of caesarean section, and the difficulty during delivery of the floating fetal head even by the most experienced obstetrician, the present study was undertaken with the hypothesis that, ventouse assisted fetal head delivery during cesarean section is safe and effective without increasing maternal and neonatal complications.

Chapter 2

Objectives



OBJECTIVES

The objective of the present study is

- To find out the effectiveness and safety of ventouse for delivery of fetal head at caesarean section in comparison to manual delivery of fetal head.
    - Effectiveness is defined as the percentage of successful extractions (number of deliveries conducted by the assigned method) of the fetal head.
    - Safety is defined in terms of maternal and neonatal outcomes which are as follows :

Maternal outcomes to assess;

- Uterine incision extensions - defined as any defect observed outside the limits of the original incision.
- Estimated blood loss (change of hemoglobin percentage from pre-operative to post operative).

Neonatal outcomes to assess;

- APGAR score at 1 and 5 minute.
- Injury to scalp (scalp abrasions, bruising, cephalohematoma, subgaleal or intracranial hemorrhage).
- Hyper-bilirubinemia within 48 hours of birth.
- Neonatal intensive care unit admissions.

Chapter 3

Review of Literature

REVIEW OF LITERATURE

CAESAREAN DELIVERY

The word cesarean is derived from the Latin word Caesar, which means "to cut". Cesarean section is the delivery of an infant, alive or dead, through an abdominal incision and from an intact uterus, after the period of viability.

Historical note

Cesarean section symbolizes the most important operative intervention in all of obstetrics. It has undergone tremendous evolution from the time of its conception to make it both, safer and easier for the mother and fetus, and the obstetrician respectively.

Over the last century, the cesarean section from a post mortem procedure became largely a procedure that results in a living mother and a neonate most of the times. From classical cesarean to classical lower segment cesarean section to the present day concept of lower segment transverse incision cesarean section, the procedure is now safe and is a transformation as significant to women and families involved as to the medical profession.

Epidemiology

Frequency

Worldwide

Over the last few decades, the caesarean rates have increased remarkably in the developed and the developing world.

The National Center for Health Statistics reported that the percentage of cesarean births in the United States increased from 20.7% in 1996 to 32% in 2007.[5]

In the United States, 1.2 million or 29.1% of births were by c-section delivery in 2004. According to the report of the National Institute of Health (2006), in Brazil about 37% of the births were through c-section.[6]

Another study shows that the c-section birth rate in China has gone up from 8.9% in 1993-94 to 24.8% in 2001-02.[7]

India

Over the past 2 decades, India is also experiencing a sharp increase in cesarean section delivery. Growing access to obstetric care and the high rural urban differences in the cesarean delivery rates raise a thought on the possible reason for such an increase. National Family Health Survey (NFHS) analyzed the trend of cesarean deliveries from 1992-93 to 2005-2006, and concluded that it is an upward trend. In India, the rate has increased from 2.9% of the childbirth in 1992-93 to 10.6% in 2005-06.[8]

According to NFHS-3, cesarean section rate in rural India was 6.2% compared to urban India which is 17.8% with the remarkable difference of 11.6%.[8]

Data collected from 30 medical colleges/ teaching hospital revealed that cesarean section rates have increased from 21.8% in 1988-89 to 25.4% in 1993-94 and 34.4% in 2006.[9] The rates were comparable to that of another study that reported cesarean section rates of 32.6%.[10]

Indications

A cesarean delivery is performed for maternal indications, fetal indications, or both. The leading indications for cesarean delivery are fetal distress (22%), dystocia (20%), previous cesarean delivery (14%), and breech/mal-presentation (11%). Over the last decade a new category has emerged and features predominantly in the list of indications is maternal request (7%). These indications are responsible for approximately 80% of all cesarean deliveries.[11]

Ventouse extractor for delivery of fetal head

James Young Simpson, professor of obstetrics at Edinburgh, famous for his forceps design, introduced the first successful obstetric VE in 1849 named "air tractor" which consisted of a metal syringe attached to a soft rubber cup. The device was placed against the fetal head, the syringe was evacuated, and traction was then applied to the neck at the base of the cup and the infant extracted. This

device did prove marginally successful, but technical problems existed, illustrating the difficulties facing the inventors of such devices.[12]

Simpson did not further develop his extractor, and vacuum techniques for obstetric purposes fell from clinical interest for many decades until the stainless steel cup vacuum device (Figure 1, 2) was developed and introduced into practice by Malmström in 1956.[12]

Figure 1. Assembled apparatus with Malmstrom cup

Picture courtesy – www.sciencemuseum.org.uk

Although VE became widely popular in Europe, the technique was little used in the United States until after the early 1980s, following the introduction of a series of new instruments, including disposable soft-cup extractors (Figure 3), new rigid cup designs, and handheld vacuum pumps.

Figure 2. Malmstrom's steel cups

Picture courtesy – www.medicalexpo.com

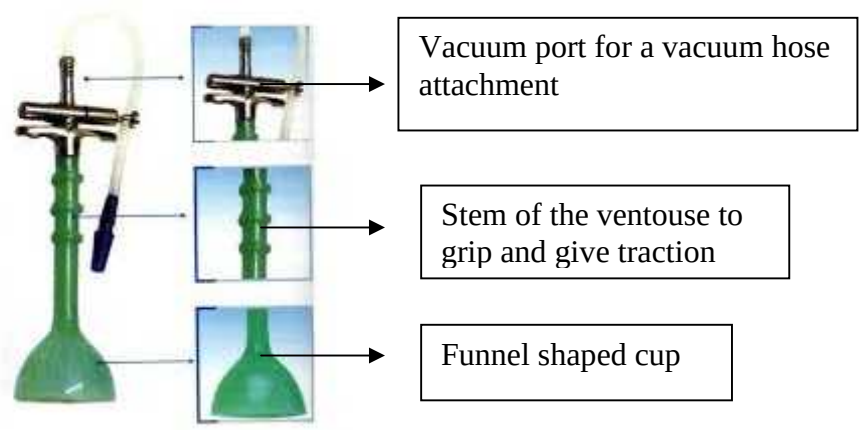


Figure 3. Flexible silicone valved cups

Picture courtesy – www.medicalexpo.com

Vacuum extraction (VE) instruments are constructed of varying materials including polyethylene or silastic plastic and stainless steel. Several features are found in all designs. These include the following:

- A mushroom-shaped vacuum cup of varying composition, diameter, and depth.

- A fixed internal vacuum grid or guard within the vacuum cup.
- A combined vacuum pump / handle or a vacuum port for a vacuum hose attachment.
- A handle for traction.

New rigid plastic cup extractors mimic the Malmström device with slight modifications.[12,13]

The ventouse extractor on generating pressure draws the fetal scalp into the body of the cup, depending upon cup design. This grasping of the scalp produces the characteristic mound of scalp tissue and edema, the *chignon* that was classically noted after an extraction with a rigid Malmstrom type cup since the generation of pressure was a very slow process and would take 6-8 minutes. Collectively, these effects predispose to bleeding within the scalp due largely to injury to small bridging veins. The 2 major types of scalp injury associated with vacuum operations are cephalohematomas (common) and the relatively rare, but potentially life-threatening, subgaleal hemorrhages. Scalp bruising or lacerations and retinal hemorrhages are additional, usually insignificant fetal risks of extraction procedures.[12,13]

Soft silastic ventouse cups take the shape of the scalp and hence formation of chignon does not occur. Because of this reason application of soft ventouse cups in the presence of a pre formed caput succedaneum, leads to increased incidence of cup slippage and failure of the instrument. Also, since the rapid generation of pressure is used and immediate traction is advocated to

reduce the risk of intracranial hemorrhage, the formation of chignon does not occur. This is on the contrary to the metallic cups that have lesser slippage rates.[13]

Ventouse extraction of fetal head at cesarean section

When cesarean section is performed before labor sets in, one may encounter considerable difficulty during delivery of the floating fetal head.

Techniques to effect the delivery when such situation are encountered, include fundal pressure by assistants or anesthesiologists, permitting drainage of liqour till the head gets fixed to the incision, use of forceps, internal podalic version, addition of a vertical incision or extension of uterine incision – all of which can be distressing to both mother and newborn and might create infections and complications during birth.[3] Ventouse extraction has been described to reduce neonatal as well as maternal trauma but its safety and effectiveness has always remained unanswered.

Ventouse extraction of fetal head during cesarean section was originally reported by Solomons in 1962, using Malmstrom's ventouse extractor. He reported successful extraction of fetal head at cesarean section in 20 cases. He used 50mm size Malmstrom cup through transverse uterine incision and suggested generating the necessary negative pressure prior to application of cup by placing a clamp on the rubber tubing. At this point ventouse extractor for vaginal delivery was already used in Europe for over a decade, but lacked support in United States. Solomons summarized his findings that the delivery of neonate

was easier without any undue delay and ill effects on the neonate. However, the chignon formation was still present but of a lesser degree.[4]

Another study reported and re-emphasized the findings of Solomons. They reported successful extraction of fetal head during cesarean section using Malmstrom's steel cup in 20 cases out of 22 cases. There was no delay in extraction, cases of caput succedaneum resolved within 24 hours and no uterine extensions reported. The two failed cases were attributed to use of a larger size cup and another with a deeply engaged head which had to be delivered manually. There was no prolonged hospitalization of neonate associated with the use of ventouse. There was no evidence documented about increased maternal or neonate morbidity. They concluded as, "the ventouse extractor was a useful and harmless adjunct to delivery of the unengaged head and its application during CS should be encouraged".[14]

A study reported that ventouse extraction was regularly used during cesarean section at their facility. they summarized following benefits:

a. The volume of the presenting part is not increased and compression of the fetal head is avoided;
b. Lacerations or extensions of the uterine incision is less common;
c. Extraction at any station of head is feasible; and
d. No particular skill is required.[15]

It however failed to provide data about safety and effectiveness of this technique. Also it further fuelled the misconception that no particular skill is required and hence resulted in poorer outcomes in non-experienced users.[15]

Similar observations were reported by a researcher, in a case series of 50 patients undergoing elective or emergent CS. He concluded that the technique simplified the procedure of CS without associated increase in neonatal or maternal morbidity.[3]

Use of soft silastic vacuum cup (Dow Corning) for extraction of fetal head at CS was advocated by another study. They described 20 elective repeat and 15 primary emergent CS with non- compromised fetus. They reported successful extraction in all cases with only one accidental detachment of cup. They publicized the use of the soft cup because of its apparent ability to cover the entire occiput, thus reducing the possibility of cephalohematomas by dispersing uniform force across the fetal head. However this belief was refuted after randomized trials showed higher rate of cups slippage with reapplication and resultant trauma.[16]

The first comparative prospective trial between ventouse and manual extraction at CS, was published in late 80's. It included 18 term elective CS, 8 delivered by vacuum extraction and 10 by manual extraction. Outcome analyzed were time required from uterine incision to complete delivery of the fetus, birth weight, Apgar scores at 1 and 5 minutes and umbilical cord blood gas analysis. They found no difference between the two groups in birth weight, Apgar scores and acid/base status of the neonates. A significantly longer interval from uterine incision to complete delivery in the ventouse group was observed (79.4 versus 40.9 seconds; $p<0.01$). They therefore concluded that this prolongation of the delivery may have an undesirable effect on the fetus especially in the presence of fetal distress. However, the drawback of this study was that there is no mention

of the type and size of ventouse cup, station of head at application and whether vacuum generation was preformed or built slowly after application of cup.[14]

A similar prospective study was reported which compared safety for mother and infant with routine use of instruments i.e. forceps or vacuum at the time of elective repeat cesarean section versus traditional manual delivery of the fetal head. They enrolled 44 patients for elective repeat cesarean section among which 15 were randomized to vacuum and forceps group each and 14 were delivered by manual extraction. They reported no increased neonatal or maternal morbidity in either group. Apgar score was comparative in instrumental delivery group and traditional group. Incision to delivery time was prolonged in forceps group (p=0.061) but was comparable in ventouse and manual group. They also assessed maternal pain scores using a 10cm visual analog scale in all 44 women. Women in ventouse group reported significantly lower pain scores (p=0.015). They concluded that routine use of instruments at the elective repeat CS is safe and effective.[17]

Another randomized control trial to compare the safety and efficacy of ventouse extraction of fetal head at cesarean section and the traditional manual extraction was reported. A total of 25 cases were enrolled in each group. In the manual extraction group of fetal head, 4 of the 25 women had uterine extensions, and 1 of the 25 had a cervical lacerations documented at the time of surgery. Whereas, there were no uterine extensions or cervical lacerations evident in the study group (ventouse extraction using soft siliastic cups). The estimated blood loss was less in the study group (cesarean section with ventouse extraction of

fetal head) 680.9cc vs. 810.0cc; P < 0.04. they concluded that ventouse extraction is a safe and effective technique for delivery of fetal head.[18]

In another case series the slippage of cup and subsequent pop- offs during the delivery was seen only in one case (4%0 in case series which is comparable to others except one study with slippage rate of 25%, which was done in 1960's with slow generation of pressure method compared to the present rapidly generating pressure method. In that study, Malmstrom metallic cup was used as compared to silastic cup used now. From the case series they concluded that the ventouse assisted fetal head delivery during cesarean section is safe and effective without increasing maternal and neonatal complications. Also, they suggested that proper placement of the cup and ensuring no other structure is caught between the fetal head and the cup before generating the pressure is vital to the safety and success of ventouse- assisted deliveries of the floating head during cesarean section.[19]

Although the use of ventouse has been described it is yet to be routinely used.[20] The outcomes, enumerated by the limited literature available, need to be evaluated before it is used routinely, with randomized controlled trial as it is associated with other advantages like it avoids the stress and complications associated with the fundal pressure and ease to the operating surgeon. Hence is the need for the study.

Chapter 4

Methodology

METHODOLOGY

The present study was conducted in the Department of Obstetrics and Gynecology, at KLES's teaching hospital attached to J N Medical College, Belgaum.

Study design

A randomized controlled trial.

Time line for the study

PHASE	TIME PERIOD	OUTLINE
I	June 2011 to August 2011	1.Identification of problem 2.Review of Literature 3.Development of data collection instrument 4.Submission of Synopsis
II	February 2012 to June 2013	1.Enrolment 2.Data Collection
III	June 2013 to August 2013	1.Analysis of collection data 2.Discussion
IV	September 2013	1.Submission of dissertation

Source of data

All singleton pregnant women for elective/ early labor cesarean section admitted under the Department of Obstetrics and Gynecology, at the KLES's teaching hospital attached to J N Medical College, Belgaum.

Sample size

A total of 150 pregnant women divided into two groups (conventional and ventouse group, 75 women in each).

Sampling procedure

Sample size was calculated using the formulae as below

$$\mathbf{n = 2(Z_\alpha + Z_\beta)^2 \times PQ/(P_a - P_b)^2}$$

$$\mathbf{\approx 60 \text{ in each group} \approx 75^*}$$

Where,

P_A – 50%; P_B – 75%

P_A- Outcome in control group

P_B- outcome in test group (percentage increase)

α -0.05; β -0.8 (power of 80%)

Z_α -1.96; Z_β -0.84

$P = (P_A+P_B)/2 = 62.5$

$Q = 100-P = 37.5$

*20% extra – 10% refusal by candidates & 10% loss in follow up.

Hence a total of 150 women were considered for the study.

Assuming a total sample size of 150 subjects, 75 of whom are randomly assigned to receive ventouse extraction of fetal head at cesarean section and 75 of whom are assigned to conventional extraction (standard care) of fetal head at cesarean section, and assuming that 25% of those with standard care will experience uterine incision extensions and more blood loss and 0% of those

receiving ventouse extraction will experience uterine incision extensions and more blood loss will then have 80% power to detect a 50% reduction in the occurrence of this outcome in the experimental group.

Method of Collection of Data

Ethical clearance

The ethical clearance was obtained from Review Board of Jawaharlal Nehru Medical College, Belgaum. (Letter No. MDC/DOME/742 dated 29/10/2011) (Annexure I)

Screening and Enrolment

Eligibility criteria

Inclusion criteria

1. Gestational age ≥ 36 weeks.
2. Singleton pregnancy.
3. Cephalic / vertex presentation
4. Elective and early/latent labor

Exclusion criteria

1. Women not willing to consent.
2. Prematurity < 36 weeks.
3. Second stage of labor and/ or deeply engaged head.
4. Women on anticoagulant therapy.
5. Eclampsia/ unconsciousness.

6. Known Bone demineralization disorder.
7. Known medical complications like – Renal and collagen diseases.

All potentially eligible women for planned or early/ latent labor (only if the woman is capable of providing informed consent, which was demonstrated by her ability to respond to questions) cesarean section were approached. These women were informed about the nature of study and interventions being done. Adequate time was provided for describing the study and fielding questions from the patient and/or immediate family members. Fair balance was maintained while describing the risks and benefits of interventions and participation in the study. No undue pressure was used on the patient to enroll in the trial. It was further explained that lack of participation will not affect the usual and anticipated standard of care.

The informed consent form (Annexure II) was explained and provided by the co-investigator in the language understood by the woman to be enrolled (in the local language, Kannada/ English/ Marathi). This was only a small component of the consenting process. Signature of the consenting woman or left hand thumb impression was obtained of the consented woman. This process was done at the time of enrollment into the study or during latent labor in labor room. Recruitment, eligibility, provision of consent and enrollment was conducted by the co-investigator.

A unique subject ID was assigned to those women who consented for the study staring from 001.

Data collection instrument

Data collection instrument (as mentioned in Annexure III) containing information about present and past pregnancies was completed. The co-investigator, previously trained in the administration of the questionnaire, completed the Antenatal Record of the data collection instrument at the time of enrolment into the study and the Post operative Record after delivery. Pre – operative hemoglobin estimation (just prior/or a day before to scheduled cesarean section) was done in all consented women prior to randomization using HemoCue machine.

Randomization

After the screening and enrollment in study, the eligible participants were randomized on the basis of sequentially numbered opaque sealed envelopes (SNOSE) to either conventional arm (group 1) or ventouse arm (group2) . These numbers were allotted to the patient as and when they were posted for delivery through cesarean section.

SNOSE (Sequentially Numbered Opaque Sealed Envelopes)

The primary aim of randomizing patients into two groups is to prevent researchers from predicting and thus influencing, which patient will receive which treatment. Among the many methods described for allocation concealment (to omit selection bias), SNOSE is both cheap and effective.

The materials required for preparing SNOSE were envelopes (printed/hand written), card paper, single sided carbon sheet and kitchen use aluminum foil. The card paper formed the core on which the intervention was encrypted. A carbon sheet of same size was placed on the card and the two were wrapped in aluminum foil (presence of aluminum foil prevented the investigator to predict the allocation). The mix was then placed in a proper size envelope and was sealed. These envelopes once formed were mixed thoroughly like a deck of cards and then numbered on the top sequentially. On randomizing a participant, the name of the participant and in patient number and date on enrollment was written on the envelope. This imprinted the details on the card and the envelope was opened to reveal the allocated group. Based on sample size 150 SNOSEs were prepared. This prevented selection bias.

Study interventions

Every woman randomized for the study received, either conventional method of extraction of fetal head or ventouse extraction of fetal head at cesarean section. All consented woman underwent pre-operative hemoglobin estimation. They received routine pre-operative care i.e. minimum of 6 hours fasting in elective cases and in emergency cases routine medications were administered prior to anesthesia. Consent according to the hospital protocol prior to the procedure. All elective patients received two enema 6 hour apart prior to planned procedure. Pre-anesthetic checkup was done. Spinal anesthesia was used in both the groups. Catheterization was done routinely for all patients immediately prior to procedure and kept in situ for 12 hours (unless prolonged catheterization was warranted).

Management and Administration of Intervention

Group I- Conventional/ manual method for delivery of fetal head

This group received the conventional manual extraction of fetal head at cesarean section.

Group II- Ventouse assisted delivery of fetal head at cesarean section

In this group, after the uterine incision, a 65mm diameter ventouse cup (Figure 4 and 5) was applied to the fetal head at the most prominent visible hairy part of fetal head. After ensuring that no other structure is caught between the head and ventouse cup, a negative pressure of 600 mm Hg will be created and

gentle traction will be applied and fetal head will be delivered. [Watch the video of procedure at : www.youtube.com/watch?v=W68ypbRzitg]

Figure 4. Vacuum machine

Figure 5. Ventouse cup

Blood loss measurement

All women in the study will have blood loss measured using HemoCue machine (Figure 5). Hemoglobin estimation will be done on enrollment prior to cesarean section and 60 ± 12 hours post cesarean section in all women consented and participating in the study in both groups. Data will be collected and recorded accordingly.

HemoCue® hemoglobin machines and cuvettes (HemoCue, Ängelholm, Sweden) were purchased from a local distribution center in India. These machines, along with cuvettes and batteries, were kept in labor room. The HemoCue® machine provided quick, simple, and accurate quantitative hemoglobin results. Blood drops will be collected via finger prick with a lancet. This machine was calibrated based on the auto-analyzer (LH- 500, Beckhan

Goulter, based on cyanmethemoglobin method) regularly used in the hospital laboratory. The values estimated by HemCue were 1.2g/dl more than the auto-analyzer values.

Figure 6. Hemocue machine

Measurement of Uterine Incision Extensions

Uterine incision extensions will be recorded in both the groups based on the decision/ judgement of the operating surgeon.

Neonatal Parameters

APGAR score at birth will be assessed by pediatricians and same will be recorded. Scalp injuries and Hyperbilirubinemia if any in first 48 hours of life will be assessed. In presence of injury type and extent will be recorded. Bilirubin estimates in mg/dl will be recorded.

Post Operative Care and Neonatal Care

Care of the newborn was as per prevailing standard practices. Follow-up postoperative care of the woman was as per standard practice.

Statistical Analysis

The data entered into data monitoring system and master chart (Annexure IV/V) was prepared. The data was analysed as below.

Categorical data

The categorical data like occupation, education, socio-economic status, uterine incision extension, PPH, complications, presence or absence of hyperbilirubinemia/ injury, successful extraction etc. was expressed as percentages, rates and ratios. The comparison was done using the chi-square test.

Continuous data

Continuous data like age, gravid, parity, BMI, estimated fetal weight, pre and post operative hemoglobin, duration of stay, Apgar score etc was expressed as mean ± standard deviation (SD). The comparison was done using two tailed T test with unequal variance.

A probability value (‘p’ value) of less than or equal to 0.05 was considered as statistically significant.

Chapter 5

Results

RESULTS

Present randomized control trial was conducted at KLES teaching hospital in the Department of Obstetrics and Gynecology, attached to Jawaharlal Nehru Medical College, Belgaum. 4842 number of deliveries occurred during the study period and total cesarean section done at the institute, 1411 of which 1125 were emergency cesarean sections. Of elective cases a total of 232 women were screened, out of which 201 gave consent for participating in the study. Based on the selection criteria 51 women were excluded as they did not meet the eligibility criteria to participate in this study and remaining 150 women were enrolled. These 150 women were randomized into two groups of 75 each, namely group I (conventional/manual group) and group II (ventouse group). Further in Group I two women were excluded after enrollment as one woman had precipitate labor and the other refused on table. Hence the outcome data was available in 73 participants in group I.

Flow chart of study population (consort diagram)

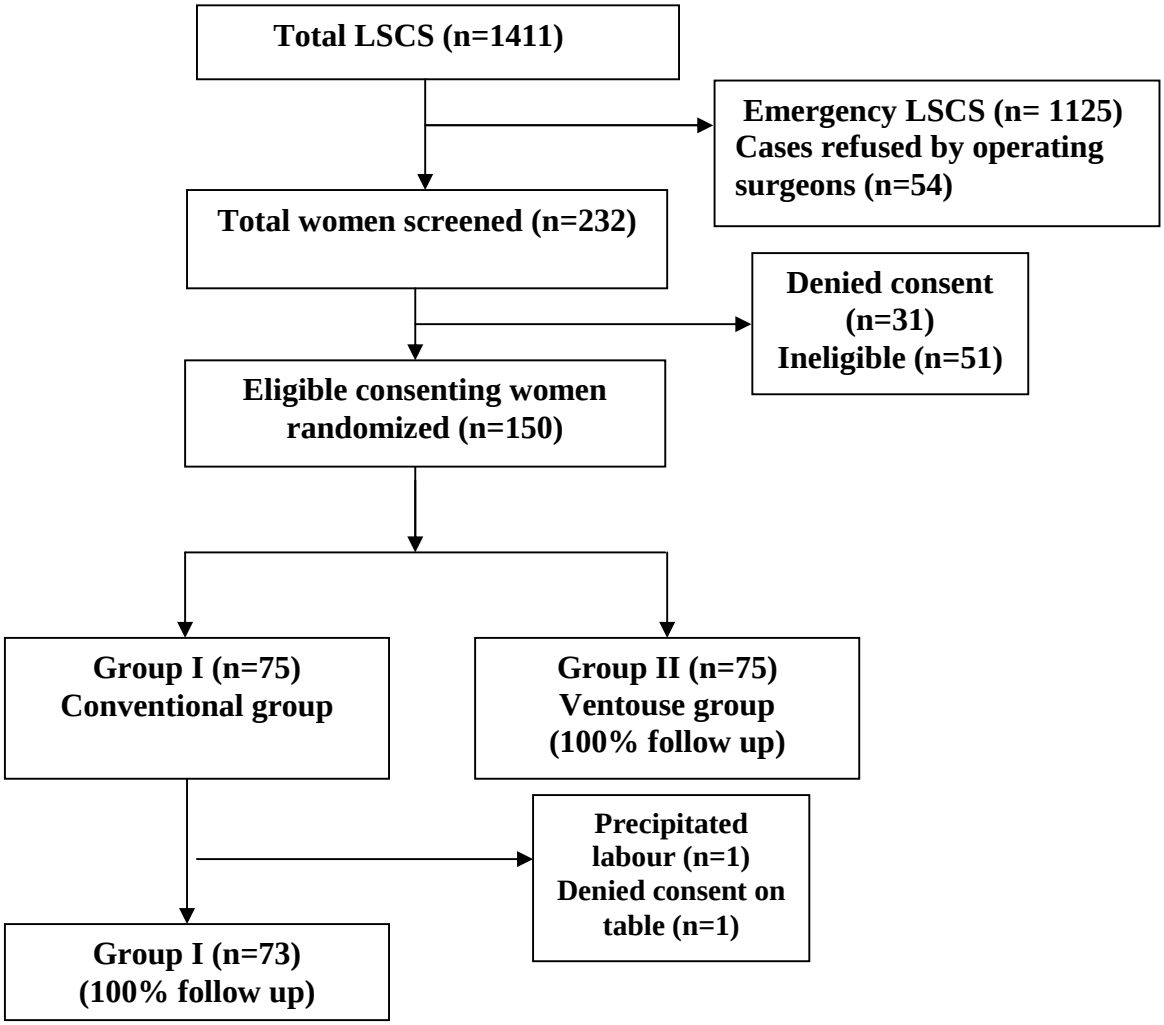


Table 1. Demographic characteristics

Characteristics		Group I (n=73)		Group II (n=75)		P value
		No	**%**	**No**	**%**	
Age (years)	**Mean (±SD)**	25.00	3.68	26.12	4.62	**0.104**
Occupation	Housewife	59	80.82	63	84.00	**0.776**
	Working	7	9.59	7	9.33	
	Labourer	3	4.11	1	1.33	
	Professional	4	5.48	4	5.33	
	Total	**73**	**100.00**	**75**	**100.00**	
Education	Illiterate	1	1.37	2	2.67	**0.302**
	Write	1	1.37	0	0.00	
	Primary	11	15.07	9	12.00	
	Secondary	44	60.27	37	49.33	
	Graduate	14	19.18	26	34.67	
	Post graduate	2	2.74	1	1.33	
	Total	**73**	**100.00**	**75**	**100.00**	
Socio economic status	Green card	17	23.29	11	14.67	**0.328**
	Yellow card	24	32.88	21	28.00	
	Red card	7	9.59	7	9.33	
	PAN Card	25	34.25	36	48.00	
	Total	**73**	**100.00**	**75**	**100.00**	

In the present study most of the women in group I and II were aged between 21 to 25 years. The mean age in group I was 25.00 ± 3.68 years compared to 26.12 ± 4.62 years in group II. The groups were comparable for maternal demographic characteristics like age, occupation, education, socioeconomic status, at the time of randomization. No statistically significant difference noted in both groups using chi square test and test of proportion.

Table 2. Obstetric history, current pregnancy and clinical examination findings

Characteristics		Group I (n=73)		Group II (n=75)		p value
		No	**%**	**No**	**%**	
Parity	Primi	23	31.51	25	33.33	**0.812**
	Multi	50	68.49	50	66.67	
	Total	**73**	**100.00**	**75**	**100.00**	
POG (weeks)	< 37	6	8.22	9	12.00	**0.748**
	37 to 40	58	79.45	57	76.00	
	> 40	9	12.33	9	12.00	
	Total	**73**	**100.00**	**75**	**100.00**	
Mean POG	**Mean ±SD**	38.74	1.52	38.63	1.59	0.648
Elective	Yes	50	68.49	53	70.67	**0.774**
	No	23	31.51	22	29.33	
	Total	**73**	**100.00**	**75**	**100.00**	
BMI (Kg/m^2)	< 19.8	2	2.74	2	2.67	**0.782**
	19.8 to 26	43	58.90	40	53.33	
	> 26	28	38.36	33	44.00	
	Total	**73**	**100.00**	**75**	**100.00**	
Mean BMI	**Mean ±SD**	25.46	3.68	25.68	3.24	**0.699**
Vitals	PR (bpm)	83.27	6.04	26.12	4.62	**0.290**
	SBP (mm Hg)	124.41	14.23	26.12	4.62	**0.330**
	DBP (mm Hg)	79.35	10.77	26.12	4.62	**0.195**
Mean SFH (cms)	**Mean ±SD**	31.23	3.47	32.03	3.88	**0.188**

Mean gestational age was 38.7 ± 1.52 weeks and 38.63 ±1.59 weeks in conventional and ventouse group respectively. Women in conventional and ventouse group had a mean BMI of 25.46 ± 3.68 Kg/m2 and 25.68 ± 3.24 Kg/m2 respectively. Overall, no significant statistical difference was noted in the parity, period of gestations and mean period of gestation, body mass index and mean body mass index, vitals and symphysio-fundal height in both the groups ($p > 0.05$).

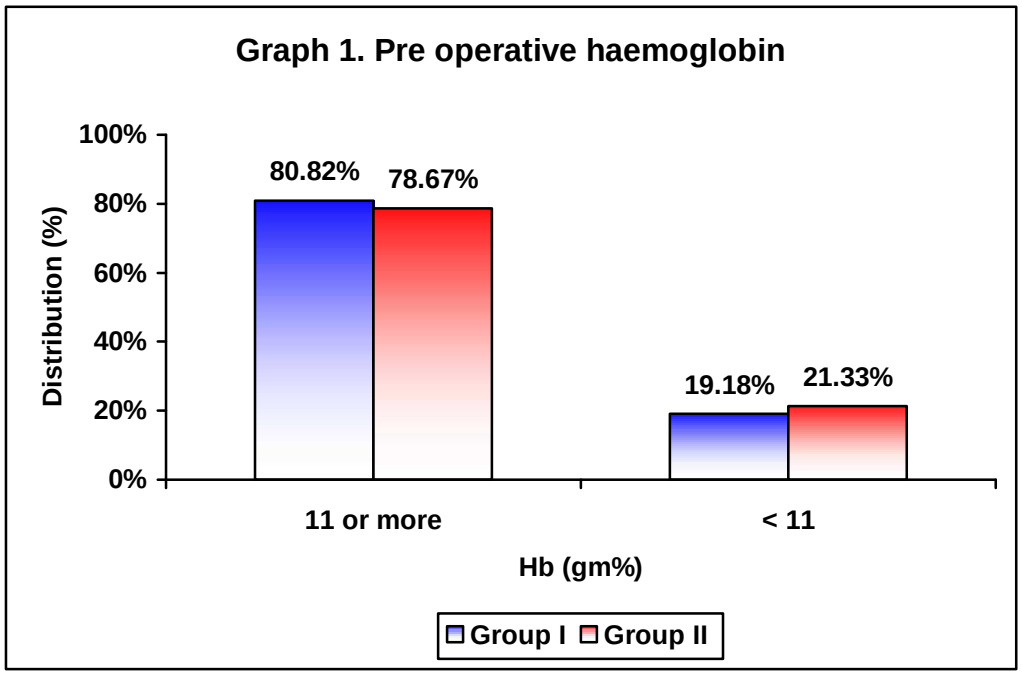
Table 3. Pre operative haemoglobin

Hb (gm%)	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
11 or more	59	80.82	59	78.67
< 11	14	19.18	16	21.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.744

Table 4. Mean Haemoglobin – Pre operative

	Group I (n=73)		Group II (n=75)		p value
	Mean	**SD**	**Mean**	**SD**	
Hb (gm%)	12.02	1.33	12.41	1.37	0.086



Pre-operative Hemoglobin among the women enrolled in the study ranged between 8.6 – 15.2g/dl. In the present study 80.82% of the women in group I and 78.67% in group II had pre-operative hemoglobin levels of 11 gm% or more. The mean hemoglobin levels in group I was 12.02 ± 1.33 compared to 12.41 ± 1.37 gm% in group II. No significant difference statistically was observed (p>0.050) between the groups.

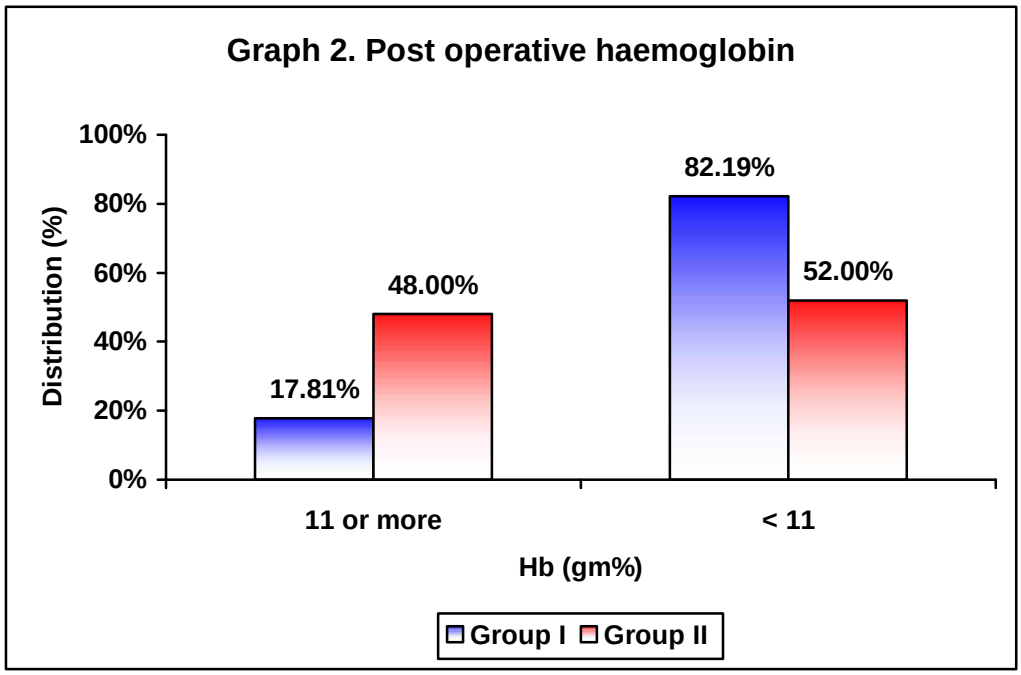
Table 5. Post operative haemoglobin

Hb (gm%)	Group I (n=73)		Group II (n=75)	
	Number	Percentage	Number	Percentage
11 or more	13	17.81	36	48.00
< 11	60	82.19	39	52.00
Total	**73**	**100.00**	**75**	**100.00**

p = 0.001

Table 6. Mean haemoglobin – Post operative

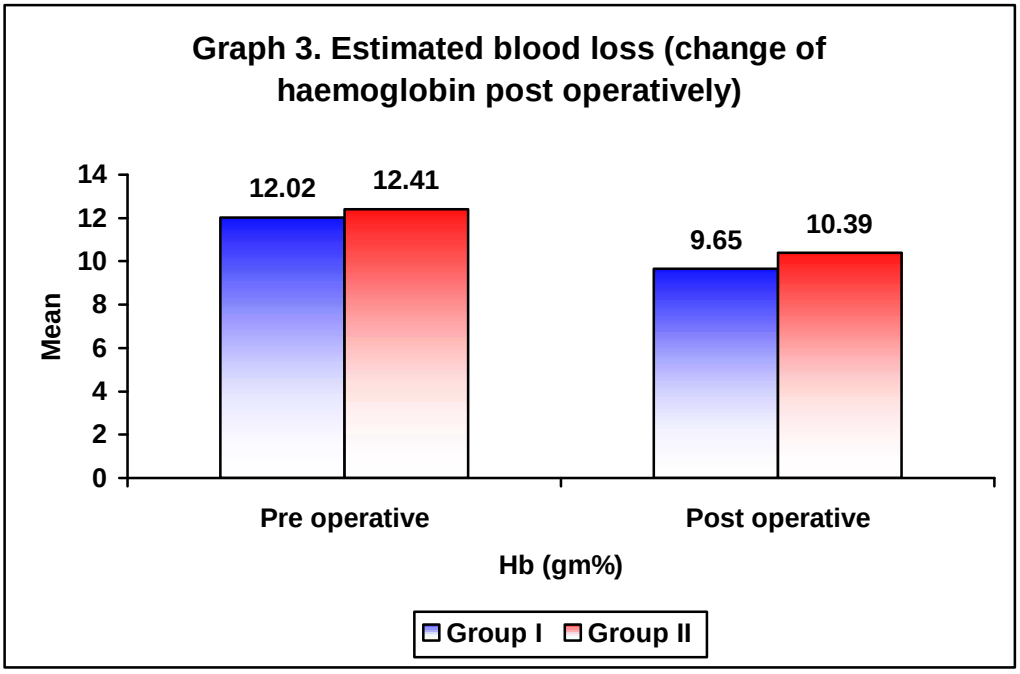
	Group I (n=73)		Group II (n=75)		p value
	Mean	SD	Mean	SD	
Hb (gm%)	9.65	1.56	10.39	1.59	0.005



Post operative hemoglobin extended from 6.2 -13.5g/dl among the enrolled women. In this study 48% of the women in group 2 had post operative haemoglobin levels of ≥11 gm% compared to 17.81% in group I and this difference was statistically significant (p<0.001). The mean post operative haemoglobin levels in group II were significantly high (9.65 ± 1.56 gm%) compared to group 1 (10.39 ± 1.59 gm%) (p=0.005).

Table 7. Estimated blood loss (change of haemoglobin post operatively)

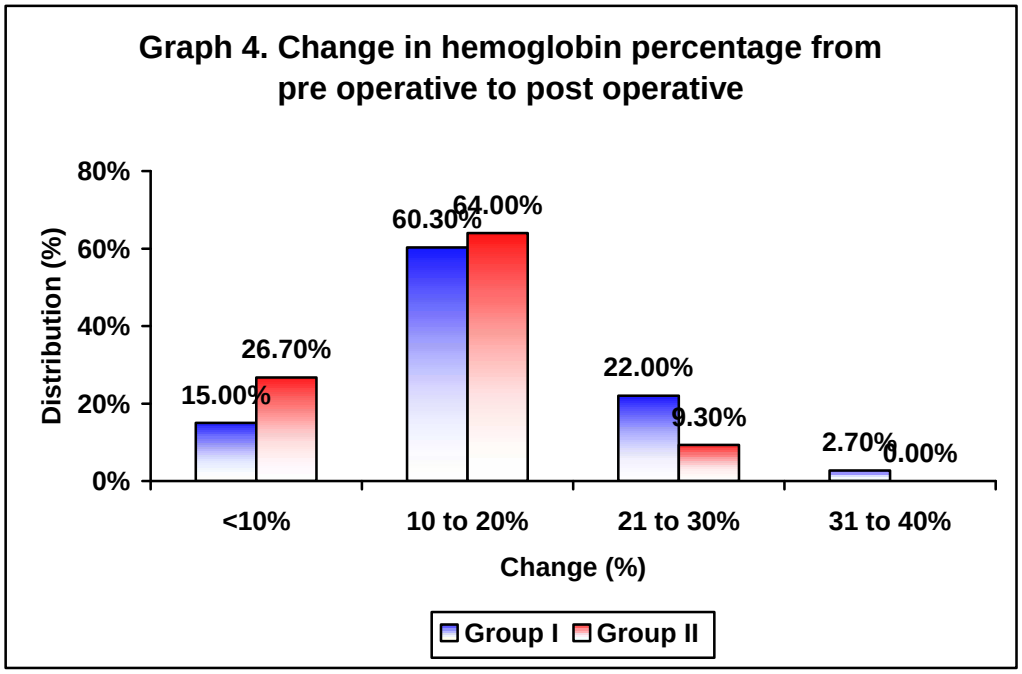
Groups	Haemoglobin levels (gm%)				p value
	Pre operative		Post operative		
	Mean	SD	Mean	SD	
Group I(n=73)	12.02	1.33	9.65	1.56	<0.001
Group II (n=75)	12.41	1.37	10.39	1.59	<0.001



In the present study there was significant fall in mean haemoglobin levels in group I (from 12.02 ± 1.33 to 9.65 ± 1.56 gm%; p<0.001) and group II (from 12.41 ± 1.37 to 10.39 ± 1.59 gm%; p<0.001).

Table 8. Change in hemoglobin percentage from pre operative to post operative

Change (%)	Group I (n=73)		Group II (n=75)		p value
	Number	Percentage	Number	Percentage	
<10%	11	15	20	26.7	0.083
10-20%	44	60.3	48	64	0.638
21-30%	16	22.0	7	9.3	0.034
31-40%	2	2.7	0	-	0.149
Total	73	100	75	100	

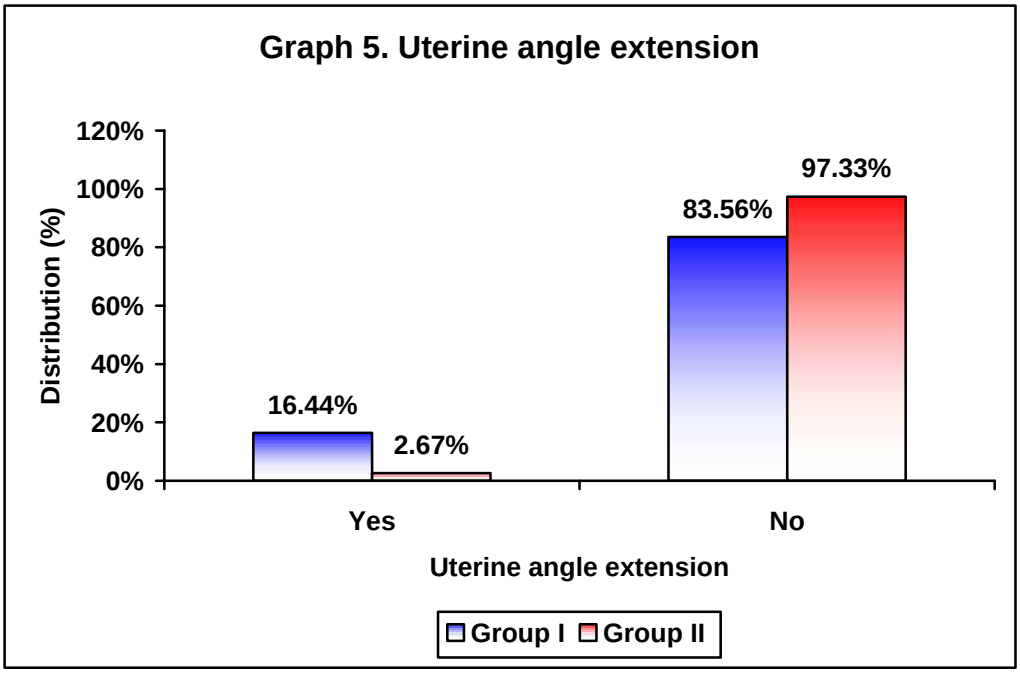


In the present study, 16 out of 73 women had a drop in hemoglobin percentage between 21- 30% of their pre-operative value in group I when compared to 7 in group II (p = 0.034) that is significant. Although 2 women in group I had drop of >30% it is not statistically significant.

Table 9. Uterine angle extension

Uterine angle extension	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Yes	12	16.44	2	2.67
No	61	83.56	73	97.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.004

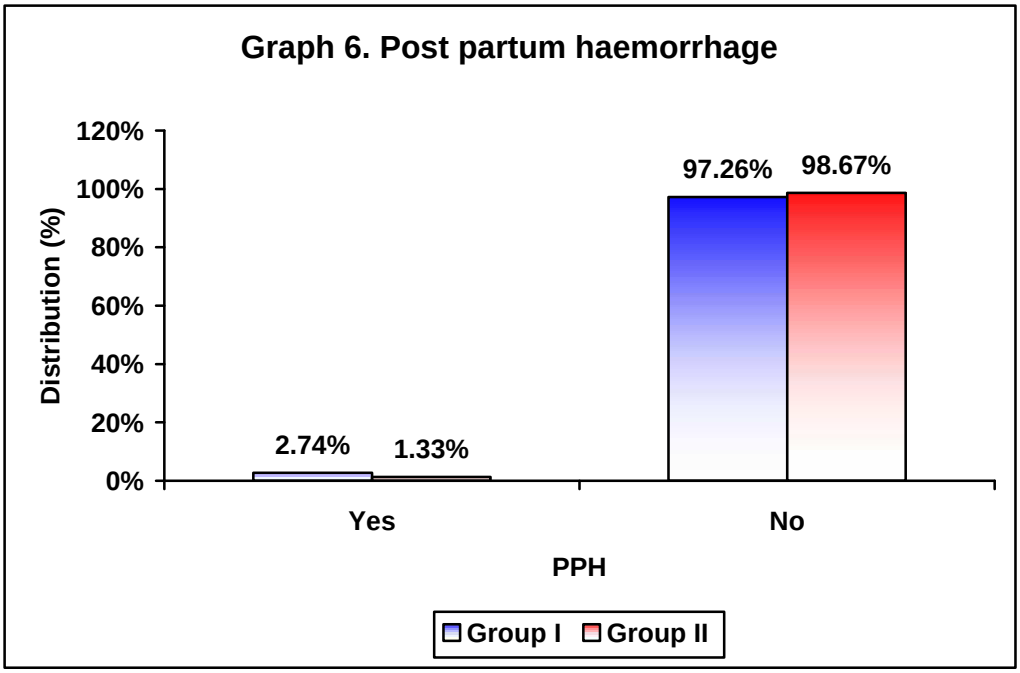


In the present study the presence of uterine angle extension was significantly higher in group I (16.44%) compared to group II (2.67%).

Table 10. Post partum haemorrhage

PPH	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Yes	2	2.74	1	1.33
No	71	97.26	75	100.00
Total	**73**	**100.00**	**75**	**100.00**

p = 0.149



Amongst the patients in conventional group, 2 had complications of atonic post partum hemorrhage managed conservatively with uterotonics, compared to only 1 in ventouse group which required peripartum hysterectomy. This was however not statistically significant (p>0.05).

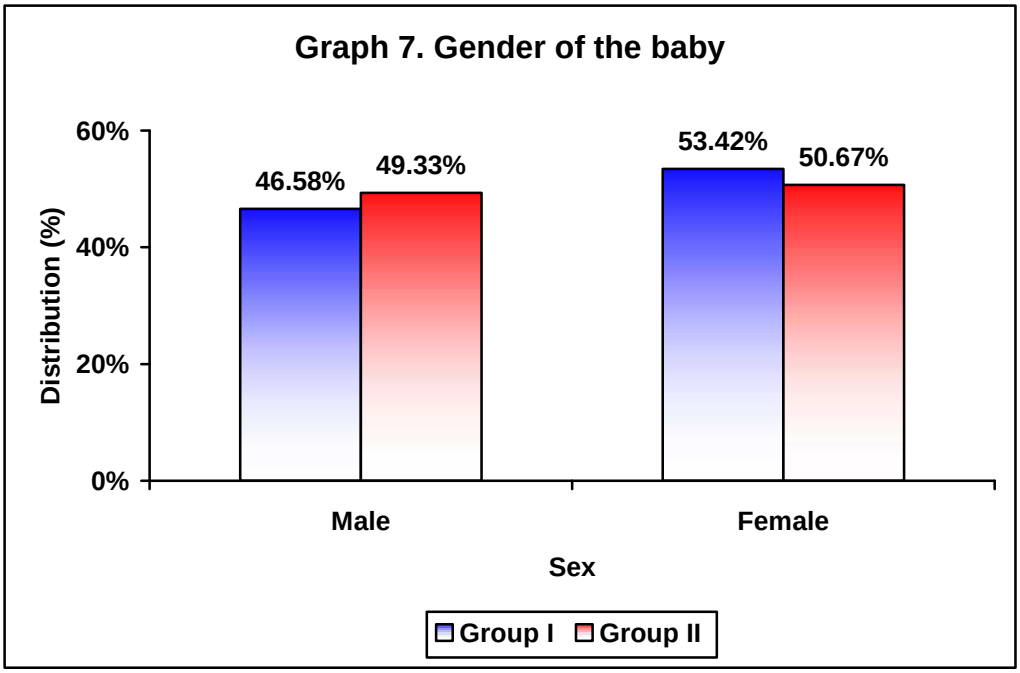
Table 11. Post operative IV fluids used

	Group I (n=73)		Group II (n=75)		p value
	Mean	**SD**	**Mean**	**SD**	
IV fluids (mL)	2297.30	370.11	2284.67	527.68	0.866

In present study the requirement of IV fluids was comparable in group I (2297.30 ± 370.11 mL) and group II (2284.67 ± 527.68 mL) (p=0.866). 3 patients in conventional group and 2 patients in ventouse group required post operative blood transfusions. 3 among these cases had atonic PPH and 2 had low pre-operative hemoglobin.

Table 12. Gender of the baby

Sex	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Male	34	46.58	37	49.33
Female	39	53.42	38	50.67
Total	**73**	**100.00**	**75**	**100.00**



In the present study the female to male ratio in group I was 1.14:1 and in group II it was 1.02:1.

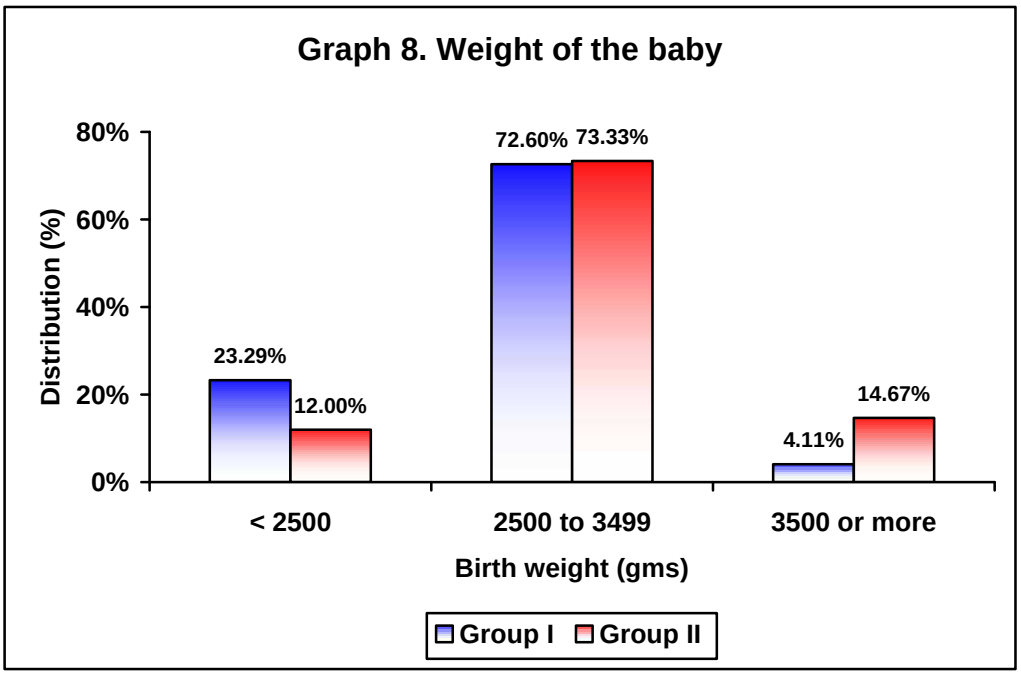
Table 13. Weight of the baby

Birth weight (gms)	Group I (n=73)		Group II (n=75)	
	Number	Percentage	Number	Percentage
< 2500	17	23.29	9	12.00
2500 to 3499	53	72.60	55	73.33
3500 or more	3	4.11	11	14.67
Total	**73**	**100.00**	**75**	**100.00**

p = 0.030

Table 14. Mean weight of the baby

	Group I (n=73)		Group II (n=75)		p value
	Mean	SD	Mean	SD	
Mean weight (gms)	2781.47	477.83	2956.00	459.44	0.024



In this study significantly higher number of babies in group I had birth weight < 2500 (23.29%) compared to group II (12%) (p=0.030). The mean birth weight in group II (2956.00 ± 459.44gms) was significantly higher compared to group I (2781.47 ± 477.83gms) (p=0.024). Birth weight ranged between 1600-4500gms and 1915-4200gms in conventional and ventouse group respectively.

Table 15. APGAR score 1 minute

Apgar score		Group I (n=73)		Group II (n=75)		p value
		No	%	No	%	
1 Minute	< 7	27	36.99	13	17.33	**0.007**
	7 or more	46	63.01	62	82.67	
	Total	**73**	**100.00**	**75**	**100.00**	
5 minutes	< 7	0	0.00	0	0.00	-
	7 or more	73	100.00	73	97.33	
	Total	**73**	**100.00**	**75**	**97.33**	

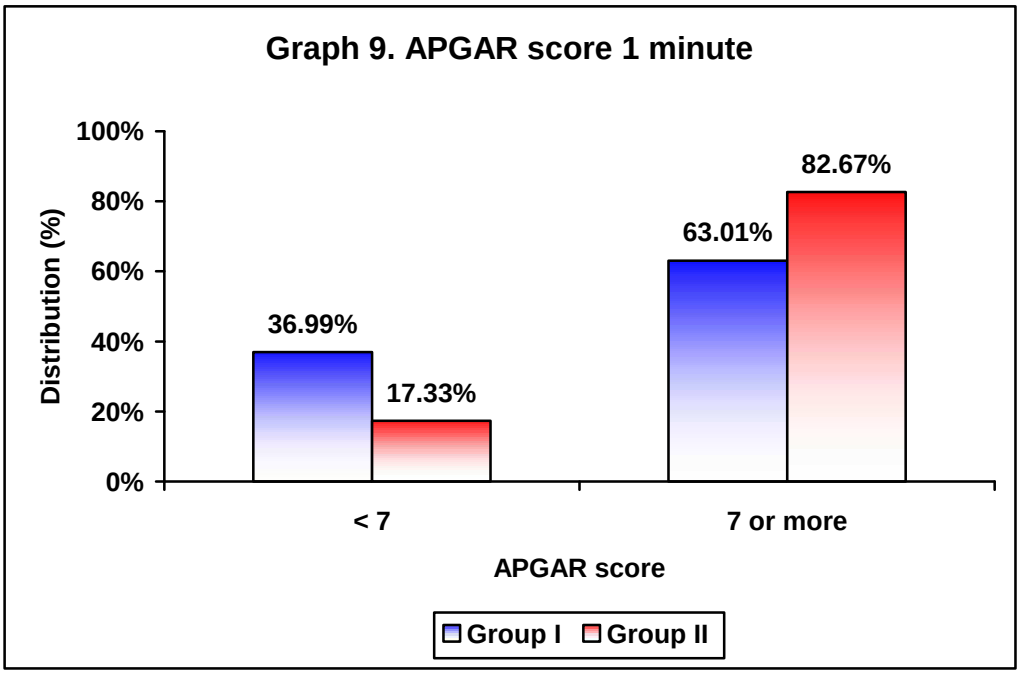
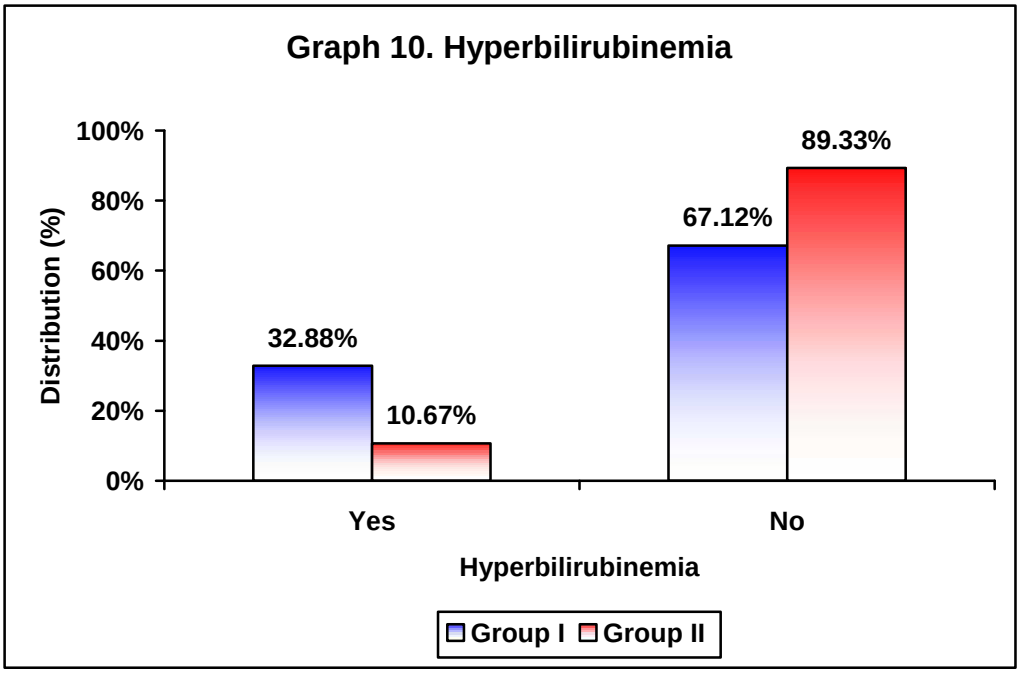


Table 14 and graph 8 shows distribution of babies according to the apgar score at 1 minute and 5 minutes. It was observed that, significantly higher number of babies had apgar score of < 7 in group I (36.99%) compared to group II (17.33%) at 1 minute.

Table 16. Hyperbilirubinemia

Hyperbilirubinemia	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Yes	24	32.88	8	10.67
No	49	67.12	67	89.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.001

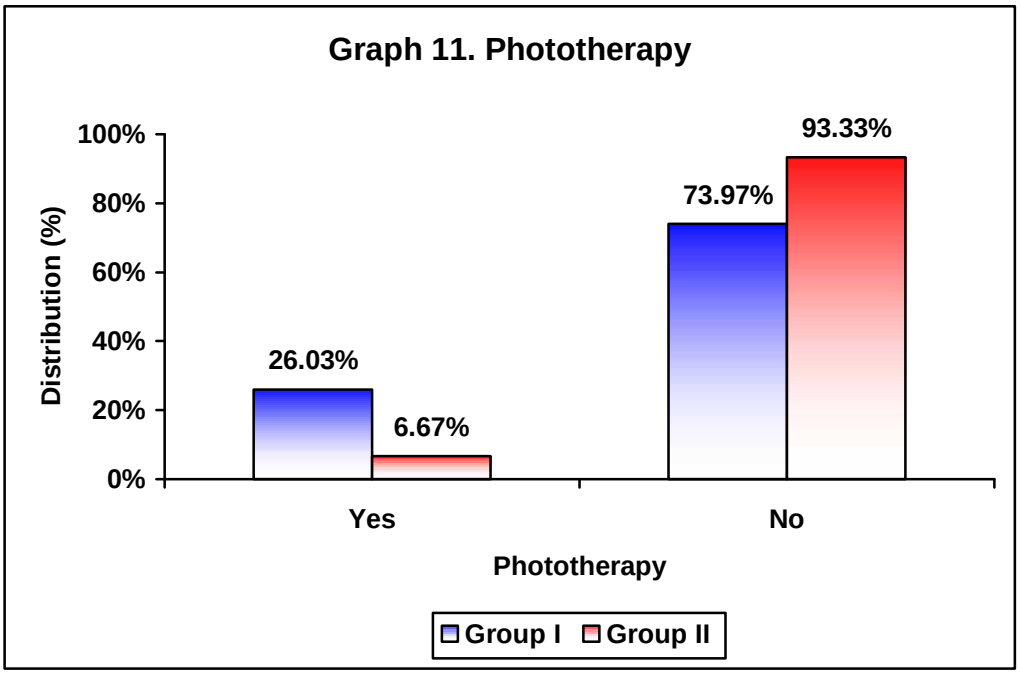


In the present study hyperbilirubinemia was seen in 32.88% of babies in group I compared to 10.67% babies in group II and this difference was statistically significant (p=0.001).

Table 17. Phototherapy

Phototherapy	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Yes	19	26.03	5	6.67
No	54	73.97	70	93.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.001



According to the hospital protocol, requirement of phototherapy was noted in 26.03% of babies in group I whereas 6.67% babies in group II required phototherapy. This difference was statistically significant (p=0.001).

Table 18. Mean bilirubin

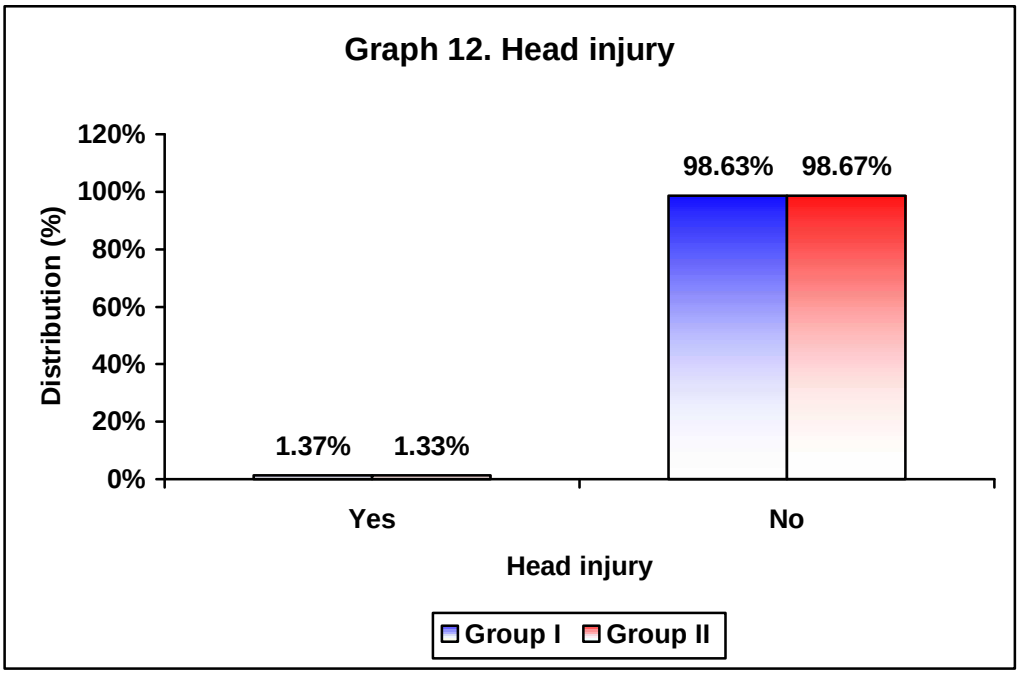
	Group I (n=73)		Group II (n=75)		p value
	Mean	**SD**	**Mean**	**SD**	
Mean Bilirubin	13.58	1.91	13.28	3.42	0.819

In the present study the mean bilirubin levels were comparable in group I and II (13.58 ± 1.91 vs 13.28 ± 3.42; p=0.819). The range of bilirubin was 9.4-18.2mg/dl and 9.8-18.6mg/dl in conventional and ventouse group, respectively.

Table 19. Head injury

Head injury	Group I (n=73)		Group II (n=75)	
	Number	Percentage	Number	Percentage
Yes	1	1.37	1	1.33
No	72	98.63	74	98.67
Total	**73**	**100.00**	**75**	**100.00**

p = 0.985

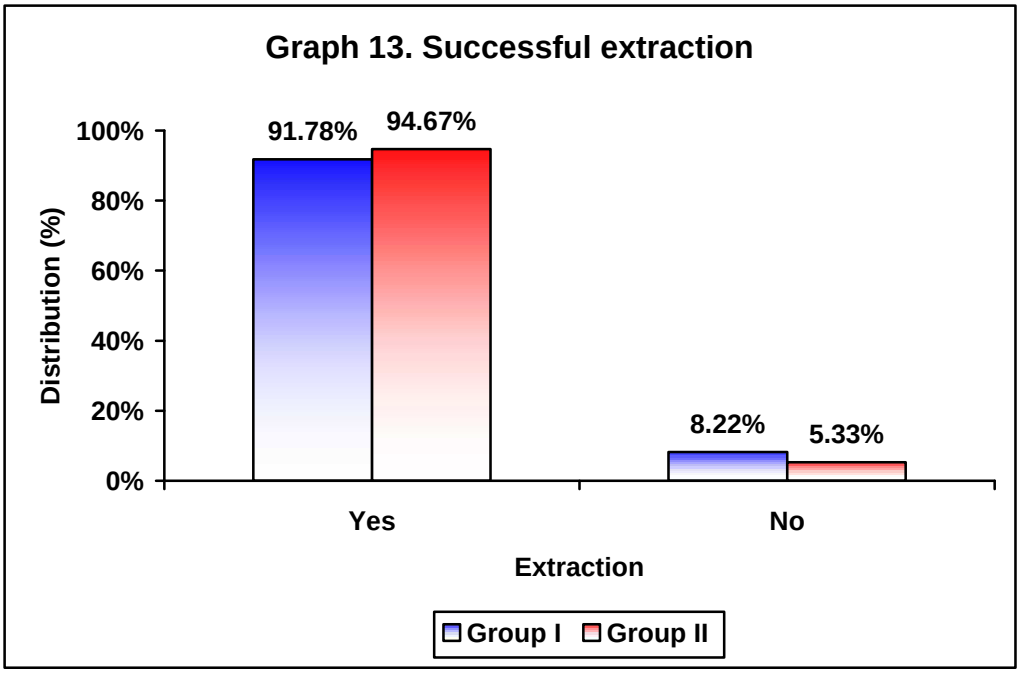


In this study head injury was noted in 1.37% each, in group I and II (p=0.985). Both injuries occurred while making uterine incision and hence were scalp injuries.

Table 20. Successful extraction

Extraction	Group I (n=73)		Group II (n=75)	
	Number	**Percentage**	**Number**	**Percentage**
Yes	67	91.78	71	94.67
No	6	8.22	4	5.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.484



In the present study successful extraction was done in 91.78% of babies in group I compared to 94.67% babies in group II. However this difference was statistically not significant (p=0.484). The failed extractions in manual group were assisted either by ventouse or forceps application, or in ventouse group head was delivered manually.

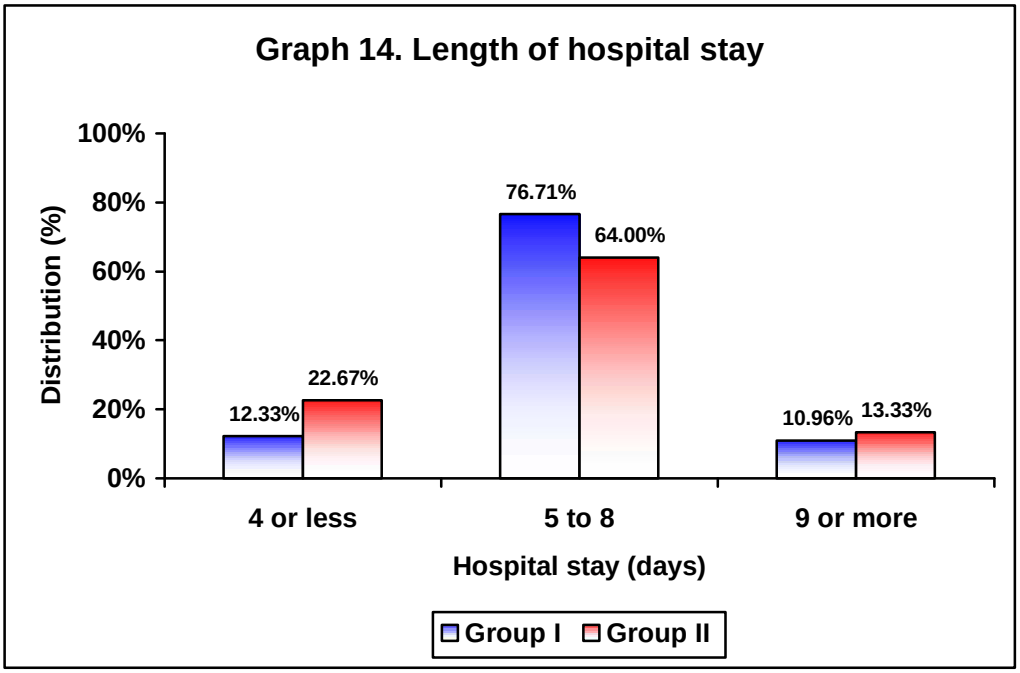
Table 21. Length of hospital stay

Hospital stay (days)	Group I (n=73)		Group II (n=75)	
	Number	Percentage	Number	Percentage
4 or less	9	12.33	17	22.67
5 to 8	56	76.71	48	64.00
9 or more	8	10.96	10	13.33
Total	**73**	**100.00**	**75**	**100.00**

p = 0.195

Table 22. Mean length of hospital stay

	Group I (n=73)		Group II (n=75)		p value
	Mean	SD	Mean	SD	
Hospital stay (Days)	6.45	2.03	6.03	2.03	0.206

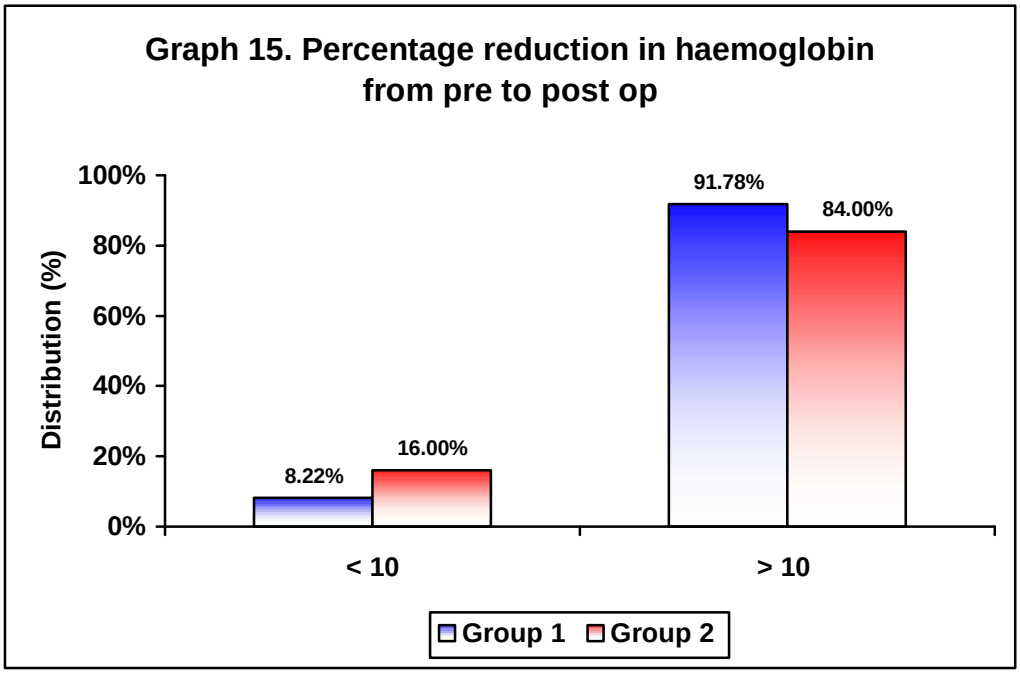


The duration of hospital stay and mean duration of hospital stay were comparable in group I and II (p>0.050) in the present study.

Table 23. Percentage reduction in haemoglobin from pre to post op

Change in haemoglobin (%)	Group 1 (n=73)		Group 2 (n=75)	
	Number	Percentage	Number	Percentage
> 10	67	91.78	63	84.00
< 10	6	8.22	12	16.00
Total	**73**	**100.00**	**75**	**100.00**

p=0.148



In the present study 91.78% of women had reduction in haemoglobin levels more than 10% and in group 2 it was noted among 84% of women. However this difference was statistically not significant (p=0.148).

Chapter 6

Discussion

DISCUSSION

This prospective randomized controlled trial evaluated the effectiveness and safety of ventouse delivery of fetal head at cesarean section vs. conventional manual delivery. Limited data is available on the ventouse delivery of fetal head at cesarean section and its effects on the neonate and the mother and any surgical benefits.

Earlier studies found no difference in the rate of uterine extensions or traumatic PPH; change in hemoglobin from pre- operative to post operative level; and no increased maternal or neonatal morbidity with the use of ventouse delivery of fetal head at cesarean section in comparison to conventional manual method.[17,18]

A review reported that the procedure was safe for term neonates, and is associated with less maternal morbidity (uterine extensions, blood loss etc) and post operative pain. They also reported certain contraindications to the use of ventouse like prematurity (<36 weeks), a known fetal blood or bone demineralization disorder or known maternal viral infection (HIV, Hepatitis etc).[21]

As per the CONSORT flow diagram, 201 women were consented to participate in the study of which eligible 150 were randomized into 2 groups by SNOSE method. The outcome for analysis was available for 73 women (1 on table refusal and another patient had precipitate labor) in conventional manual group and 75 women in ventouse delivery group. Both the groups were

comparable with respect to demographic data, age, parity, gestational age and clinical/physical examination.

Effectiveness of ventouse at delivering a fetal head.

Successful extraction was done in 91.78% of babies in conventional extraction group compared to 94.67% babies in ventouse extraction group (p=0.484). This is comparable to the extraction rate reported by another study.[18] The failure of ventouse delivery was attributed to failure to generate sufficient pressure. In the manual delivery group, either forceps or ventouse was used to deliver the fetal head. This suggests that ventouse is an effective measure to deliver a fetal head during cesarean section

Maternal outcome

In the present study, there was significant fall in mean hemoglobin levels in conventional group post operatively [12.02± 1.33 to 9.65± 1.56] in comparison to ventouse group [12.41± 1.37 to 10.39 ± 1.59] (p<0.001). This was comparable to another study where the estimated blood loss was less in cesarean section with ventouse delivery of the fetal head (680.9 cc vs. 810.0 cc; p <0.04).[18] Estimation of hemoglobin change is now the accepted as a measure of blood loss during surgical procedure. The inter-observer bias and inter-machine estimation difference was eliminated by the use of same Hemocue machine for all enrolled patients. By definition, post partum hemorrhage is defined as blood loss of more than 1000ml following cesarean birth i.e. more than 20% fall in hemoglobin percentage.[11,22] 16 out of 73 women in conventional group had fall in hemoglobin

of more than 20% compared to 7 out of 75 women. This difference is statistically significant ($p < 0.034$) which is comparable to earlier studies.[18]

The duration of hospital stay and mean duration of hospital stay were comparable in both the groups ($p > 0.05$) in accordance to the hospital protocol. This was similar to earlier reported studies.[17,18,19] No undue prolongation was noted due to infections in relation to cesarean section in either group.

The uterine incision extensions in present study, was significantly higher in conventional group, 12 of the 73 women (16.4%), whereas only 2 of the 75 women in ventouse group had uterine extensions which is comparable to a study which documented 4 of 25 women had uterine extensions in conventional group.[18] Although this is statistically significant ($p < 0.004$), the extensions in both the groups could have resulted from relative inexperience of the residents to deliver an unengaged/ floating head. The cases enrolled were either elective or first stage cesareans, where lower uterine segment are not well formed, thus increasing the chances of extension by making extraction difficult. However, since the extensions were fewer in the ventouse group, it only signifies that it is a relatively easier procedure to perform.

Although a total of 3 cases of post partum hemorrhage occurred including 1 in ventouse group, none could be contributed to traumatic PPH and were concluded to be atonic PPH. In the cases where extensions occurred, PPH was prevented by identifying the extension edges and were immediately clamped and hemostasis secured. The probability of occurrence of atonic PPH is same in both

the groups. Post operative intra venous fluids requirement were comparable in both the groups (p=0.866).

Neonatal outcome

In the present study, it was observed that, significantly higher number of babies had Apgar score of > 7 in ventouse group (82.67%) compared to conventional group (63.01%) at 1 minute. Transient apnea secondary to the stress caused by the delay/manipulation in extraction of fetal head may have lead to lower Apgar score at 1 minute in conventional group. However Apgar score was comparable in both the groups at 5 min which was similar to earlier studies.[14,16,17,18,19]

Contrary to the belief, the incidence of hyper bilirubinemia within first 48 hours of birth in neonates was observed to be less in ventouse group. Hyper bilirubinemia was seen in 10.67% babies in ventouse group compared to 32.88% of babies in conventional extraction group which was statistically significant (p=0.001). Term low birth weight predisposes the neonates to the risk of developing hyperbilirubinemia secondary to the polycythemia that occurs due to chronic hypoxia in utero.[23,24] There were significantly more number of low birth weight babies in conventional group (17/73; p<0.03). This could possibly explain the finding of the present study. However, this finding also suggests that the ventouse is a safe measure to deliver the fetal head without increasing cephalohematoma or intracranial hemorrhage incidence.

In the present study, 2 scalpel associated scalp injuries were noted (1 in each group). No cases of scalp abrasions, bruising or lacerations, were observed

with the use of ventouse for delivery of fetal head at cesarean section. This is in contrary to the case reported.[25]

Even larger babies can be effectively and safely delivered by use of ventouse at cesarean section (birth weight range 1915- 4200gms)

The mean duration of hospital stay in both the groups was 6± 2 days (p=0.206). This was suggestive that there was no increased maternal or neonatal morbidity which was found similar to the previous studies.

Although the previous publications reported that use of ventouse during cesarean section permits delivery through a smaller uterine incision. In the present study, the actual length of uterine incision was not measured post delivery of fetal head.

The findings of this study are consistent with another RCT reported by Mcquivery et al in 2005, which had concluded, with 25 cases in each arm; that ventouse delivery of fetal head is safe and effective.

The strengths of the present study are;

1. Randomization method by SNOSE eliminated the selection bias of the patient by the investigator;

2. Multiple operating surgeons including residents were involved in the study;

3. Blood loss estimation was done by estimating pre and post operative hemoglobin by single HemoCue machine.

The limitations of the present study are;

1. Sample size considered is small;

2. Uterine incision to delivery time was not recorded as compare to manual ventouse extraction is slow process even though the rapid generation of pressure was used.

The findings of the present study can to be confirmed by a larger sample size, multicentre, randomized controlled trial.

Chapter 7

Conclusion

CONCLUSION

From this study it is evident that ventouse delivery of fetal head during cesarean section is not only effective but also safe, without increasing maternal or neonatal morbidity. The added advantages are less blood loss and lesser extensions of uterine incision and avoidance of transient apnea of newborn as evident by the better Apgar score at 1 minute. The findings of the same can be confirmed by larger multicentre trial.

Chapter 8

Summary

SUMMARY

A randomized controlled trial (computer generated, randomized number sequence, block size of 2, blinding by SNOSE) was performed on 150 consenting women fulfilling eligibility criteria (singleton, ≥ 36 weeks of gestation, cephalic presentation, elective or latent labor cesarean section) at teaching hospital attached to KLES University's J.N. Medical College , Belgaum.

In this study, of the 232 women screened, 201were consented to participate in the trial of which 150 were eligible enrolled. These 150 women were assigned to either conventional (75) or ventouse group (75) by SNOSE technique. The outcome was available for 148 women. 2 women were excluded (1had precipitate labor and 1 on table refusal).

Successful extraction was done in 91.78% (67 out of 73) of babies in conventional extraction group compared to 94.67% (71 out of 75) babies in ventouse extraction group (p=0.484). This suggests that ventouse is an effective measure to deliver a fetal head at cesarean section.

There was a significant blood loss (more than 20% change in hemoglobin percentage) was noted in conventional group when compared to ventouse group (p<0.034). Also the uterine incision extensions were fewer in ventouse group when compared to manual group (p < 0.004). There was no undue prolonged hospitalization in the ventouse group.

Apgar score at 1 minute of neonates in conventional group was significantly lower than ventouse group (p<0.007). No difference was noted in

both the groups in Apgar score at 5 minute. No increased incidence of NICU admissions were noted in either group. Hyperbilirubinemia, contrary to the belief, was found more in conventional group in comparison to ventouse.

From this study it is evident that ventouse delivery of fetal head during cesarean section is not only effective but also safe.

Chapter 9

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Annexures

Annexure I

ANNEXURE I – ETHICAL CLEARANCE

K.L.E.SOCIETY'S
JAWAHARLAL NEHRU MEDICAL COLLEGE,
NEHRU NAGAR, BELGAUM-590010 (KARNATAKA-INDIA)
(Affiliated to KLE University, Belgaum)

Website: http\www.jnmc.edu
E-Mail : deanejnmc@sancharnet.in
jnmc@sancharnet.in

Phone: (0 91-0)831 Office : 2471150
Principal: 2471701
Fax No. +91- (0)831 – 2470739

Ref: MDC/PG/ 1892 **Date: 29/10/2011**

To,
Dr. Neha Gupta
Postgraduate Student,
Department of OBG,
J.N.Medical College,
BELGAUM.

Sub: Institutional Ethical Clearance for the study.

Dear Dr. Neha Gupta,

With reference to the above, I wish to inform you that the research project "SAFETY AND EFFECTIVENESS OF VENTOUSE EXTRACTION VERSUS MANUAL EXTRACTION OF FETAL HEAD AT CESAREAN SECTION – A RANDOMIZED CONTROLLED TRIAL", is Ethical and justifiable and has been cleared by the departmental Ethical Committee and College Dissertation and Research Committee.

(Dr. P.V. Patil),
Chairman
College Ethical Dissertation
And Research Committee,
J.N.Medical College, Belgaum.

Annexures

Annexure II

ANNEXURE II

INFORMED CONSENT DOCUMENT

Id.No:- | | | | | |

Title: A randomized controlled trial - Effectiveness and safety of ventouse extraction versus manual extraction of fetal head at cesarean section.

You are requested to participate in a study that is an attempt to find out the safety and effectiveness of ventouse extraction of fetal head at cesarean section compared to manual extraction of fetal head. About 150 pregnant women with singleton pregnancy with cephalic presentation admitted for elective cesarean section at KLE'S Dr. Prabhakar Kore Hospital and Medical Research Centre, will be enrolled in the study. The overall incidence of elective cesarean section is around 7% of all cesarean section. Floating/unengaged head is common in elective section which poses a challenge to obstetricians. Effective method to deliver unengaged heads can definitely result in decreased maternal and neonatal morbidity.

Advantages of ventouse extraction will be – smaller incision, less blood loss. There are no additional risks involved in the procedure.

This study is done by Dr. **** ***** postgraduate in Obstetrics and Gynecology Under direct supervision and guidance of Dr. **** ***** (Principal investigator), Professor, Department of OBG, J.N. Medical College and Research Centre, Belgaum.

You should be willing to provide personal identification information and obstetric history relevant to the study. Your participation in the study is purely voluntary. Your decision will not affect your relationship with the institute or in the standard of care provided to you. You are free to withdraw at any time during the study.

If you agree to participate in this study, we would ask you to undergo a test for estimating hemoglobin level prior to cesarean section and 72 hours post section. Parameters of neonate like APGAR score, serum bilirubin will be recorded. You will be randomized to receive either manual extraction or ventouse extraction.

Every effort will be made to protect the confidentiality of the information you provide. This means the researchers will be careful not to let anyone who is not working on the study see the information you provide. Only Dr. **** ***** post graduate (OBG) and Dr. **** ******, Professor (OBG) J.N.M.C., Belgaum will have access to the information collected. Results of this study may be published for scientific purposes, but your name will not be revealed.

If you have any queries about the study you may contact Dr. **** *****, Professor, Department of Obstetrics and Gynecology, J. N. Medical College, Belgaum. In case you need any further information regarding your rights as a study participant, you may please contact Dr. **** ******, Head of Department of Pathology and Chairman of J. N. Medical College, Institutional Ethics Committee.

Statement of consent: I, volunteer and consent to participate in this study. I have read the consent or it has been read to me. The study has been fully explained to me in my own vernacular language and I was given an opportunity to ask questions and receive answers.

Signature/thumb impression: Participant - Name:

Signature/thumb impression: Witness - Name:

Signature of the investigator –

Date:

INFORMED CONSENT DOCUMENT - KANNADA

INFORMED CONSENT DOCUMENT - MARATHI

संम्मती पत्रक

ओळख नंबर | | | | | | |

नांव- एक मर्यादित केलेला संशोधन प्रयोग

"सुरक्षित व परिणामकारक केलेला इवा बाहेर काढण्याचा मार्ग इतरांच्या विरुध्द पोटावरुन दाब देऊन विच्छेद करताना बाळाचे डोके अलगदपणाचा प्रयोग".

हया अभ्यासक्रमात भाग घेण्यासाठी तुम्हांला आशी विनंती करण्यात येत आहे की, तुम्ल जन्मताना बाहेर यायच्यावेळी इतरांचा दाब न्याहून मार्ग मोकळा करुन डोके ओढून काढणे किंवा विच्छेद(कट) करुन दाब देऊन बाळाला सुखरुप बाहेर काढणे. डॉ. प्रभाकर कोरे, के.एल.ई. हॉस्पीटल संशोधन केंद्रामध्ये जवळ जवळ १५० बारोदर महिला एक मुल पोटात असताना त्याचे डोके मोठे आहे म्हणून पोट विच्छेद करून (सिझेरियन) सुरक्षित बाळ बाहेर काढणे असा अभ्यास केला आहे. सर्वसाधारण सर्व सिझेरियन पध्दतीमध्ये अकस्मात शस्त्रक्रियेस करण्यात आलेली ७% प्रमाण आहे. डोके वर तरंगत असणे व खाली पूर्ण न उतरुन येणे, हे अगदी बरोबर घडणारे स्त्रीरोग तज्ञांसाठी एक परिक्षाच आहे व अशा बाळांची सुटका करुन घेऊन, व्यवस्थितरित्या मुलाला बाहेर काढणे हया मुळे आपण माता मृत्यू व नवजात शिशू मृत्यू प्रमाण नक्कीच कमी करत आहे.

हयाचा एक मुख्यत्वे करुन फायदा म्हणजे रक्तस्राव कमी होणे व दुसऱ्या कोणत्याही प्रकारचा धोका हयामध्ये संभव नाही.

हा अभ्यासक्रम डॉ. नेहा गुप्ता ही विद्यार्थिनी स्त्रीरोगतज्ञामध्ये उच्चशिक्षण घेत असलेली, संशोधनाचे मुख्य अधिकारि व स्त्रीरोग प्रसुतीशास्त्र तज्ञ डॉ. एम.वी.बेल्लद, पाध्यापक, जवाहरलाल नेहरु वैद्यकिय महाविद्यालय के.एल.ई. बेळगाव हयाच्यावरोबर करत आहे.

तुमची वैयक्तीक ओळख व तुमच्या प्रसुती इतिहासाची माहिती देण्या करिता तुम्ही आम्हाला स्वइच्छेनी सहकार्य दिले पाहिजे. तुमचे काय मत आहेत त्याचा हया अभ्यासक्रम व तुम्ची चिकित्सा हयामध्ये कोणतीही अडचण येणार नाही तसेच हया अभ्यासक्रमात तुम्ही केव्हाहपा तुमचे नांव काढून घेऊ शकता.

जर का तुम्ही हया अभ्यासात भाग घेतलात तर तुमची शस्त्रक्रिया होण्याच्या अगोदर तुमचे(HB) रक्ततपासणीची गरज आहे तसेच ४२ तासानंतर परत एकदा तपासणी जरुरी आहे, तसेच बाळाचे डोके, उंची, वजन हया सगळ्याची नोंदणी केली जाईल व रक्तातील वेलुरुबीन घटक तपासला जाईल. तसेच तुमच्यावर मर्यादीत प्रमाणात डोके व्यवस्थितपणे बाहेर काढून सुरक्षित प्रसुती करण्यात येईल.

सर्व प्रकारची कागदी तुम्हाला अगदी विश्वासात घेऊन व पूर्णपणे माहिती देऊनच घेतले जाईल. संशोधन कार्यात एवढी गुप्तता पाळण्यात येते की, संशोधकांशिवाय इतर कोणालाही ही माहिती पुरवली जाणार नाही. फक्त उच्चशिक्षण विद्यार्थिनी व डॉ.

स्त्रीरोग तज्ञ, ह्यांना दोघांनाच माहित असेल, जरर चुकली तर संशोधन पत्रकात देण्यात येईल परंतु कोठेही तुमच्या नावाचा उल्लेख केला जाणार नाही.

जर का तुम्हांला कांही शंका असल्यास तुम्ही तुमचे मुख्य संशोधन अधिकारि डॉ. स्त्रीरोगतज्ञ, ह्यांच्याशी संपर्क साधु शकता किंवा डॉ. पॅथॉलॉजिस्ट, व मुख्य अधिकारि जवाहरलाल नेहरू वैद्यकिय नैतिक समिती सदस्य ह्यांना विचारू शकता.

समंतीचे पत्रक- मी स्वत:हून माझ्या पूर्ण स्वइच्छेनी हया अभ्यासक्रमात भाग घेत आहे. हे सर्व वरचे मी पूर्ण वाचले आहे व समजून घेतले आहे. माझ्या स्वत:च्या शंकेमध्ये तसेच इकडे माझ्या शंकाचे पूर्ण निरसन झाले असून त्याची समाधानकारक उत्तरे पण मला मिळाली आहेत.

सही/अंगठा/सहभागी- नांव:

सही/अंगठा/साक्षीदार- नांव

कार्यदर्शिकाची सही-

तारीख

Annexures

Annexure III

ANNEXURE III

DATA COLLECTION INSTRUMENT

Title: A randomized controlled trial - Effectiveness and safety of ventouse extraction versus manual extraction of fetal head at cesarean section.

Screening ID.No : ☐☐☐☐☐

Id.No: ☐☐☐☐☐

OPD No: ☐☐☐☐☐☐☐☐

IPD No: ☐☐☐☐☐☐☐☐

Date: ☐☐ ☐☐ ☐☐☐☐

Date of admission ☐☐ ☐☐ ☐☐☐☐

Date of Discharge ☐☐ ☐☐ ☐☐☐☐

Unit: ☐

SNOSE No.: ☐☐☐☐

Group assigned? ☐

1) Manual 2) Ventouse

Patient's Name:

F _____M_____S_____

Age: ☐☐

Address: H.No._____ Street _____

Place _____

Taluka _____ District_____

Tel No: _____

Mobile: _____

I. SCREENING:

1) Is the pregnant woman of ≥ 36 weeks gestation? ☐

   a) Yes b) No

2) Is it singleton pregnancy? ☐

   a) Yes b) No

3) Is it cephalic presentation? ☐

   a) Yes b) No

4) Is woman for elective section? ☐

   a) Yes b) No

5) If answer for Q.4 is NO, then indication for emergency section ☐

   a) Previous LSCS in labour, not willing for VBAC

   b) Fetal distress

   c) Non progress of labour/ arrest of labour

   d) Cephalopelvic disproportion

   e) Others _____

6) Are there any maternal medical complications present? ☐

   a) No b) Yes

7) If answer is yes to Q.6 then specify? ☐

   _____

8) What is the station of head? ☐

   a) Floating

   b) Engaged

   c) -2

d) -1

e) 0

9) Is the woman willing to give consent? ☐

a) Yes b) No

10) Was consent obtained? ☐

a) Yes b) No

11) Final result: ☐

a) Eligible participating

b) Eligible refusal

c) Ineligible

If the answer for the above questions is A the woman is eligible.

II. Demographic & obstetric history

12) Occupation: ☐

a) HW

b) Working

c) Labourer

d) Professional

13) Education: ☐

a) Illiterate

b) Read

c) Write

d) Primary

e) Secondary

f) Graduate

g) Post graduate

14) What type of socio-economic card she has? ☐

a) White

b) Green

c) Yellow

d) Red

e) Pan(income tax)

15) Were her previous cycles regular? ☐

a) Yes b) No

16) Gravida ☐☐

17) Para ☐☐

18) Living ☐☐

19) Abortions ☐☐

20) LMP ☐☐ ☐☐ ☐☐☐☐

21) EDD ☐☐ ☐☐ ☐☐☐☐

22) Estimated period of gestation (completed weeks) ☐☐

23) Is her period of gestation (POG) according to dates corresponding to scan POG? ☐

a) Yes b) No

According to USG EDD is? ☐☐ ☐☐ ☐☐☐☐

III. Examination:

24) Height (in cm): ☐☐☐

25) Weight (in kg): ☐☐☐

26) BMI (kg/m^2): ☐☐☐☐

27) PR: ☐☐☐

28) Blood pressure

Systolic (mm of Hg) ☐☐☐

Diastolic (mm of Hg) ☐☐☐

Systemic examination

29) Is cardiovascular system normal? ☐

a) Yes b) No

30) Is respiratory system normal? ☐

a) Yes b) No

31) What is Symphysio-fundal height in cm? ☐☐

32) Estimated fetal weight in grams according to SFH? ☐☐☐☐

33) After examination is she eligible? ☐

a) Yes b) No

If no why (specify) _____

34) Is she randomized? ☐

a) Yes b) No

35) Pre- operative Hb%(in gm) ☐☐

Post operative details

36) Post- operative Hb%(in gm) ☐☐

37) Is there any uterine angle extension (subjective observation)?

a) Yes b) No ☐

38) Was there any post partum hemorrhage following cesarean section (subjective

Observation)? ☐

a) Yes b) No

39) Post operative IV fluids infused in ml? ☐

40) Post operative complication if any specify - ☐☐☐

_____

_____

_____

IV. Neonatal proforma

41) Sex of baby ☐

a) Male b) Female

42) Weight of baby in grams? ☐

43) APGAR Score

1 minute (for 10) ☐☐☐

5 minute (for 10) ☐

44) Is there any hyperbilirubeniemia? ☐

a) Yes b) No

If answer for Q.44 is yes then specify T. Bilirubin _____

45) Any neonatal head injuries? ☐

a) Yes b) No

If answer for Q.45 is yes then specify_____

46) Surgeons comments -

_____

_____

_____

_____

_____

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			Ma
												Response	Indication	Other	Response
2	00002	458552	09-02-	18-02-	14-02-2012	1002	1	24	1	1	1	1	1		1
7	00007	472145	10-05-	15-05-	10-05-2012	1007	1	28	1	1	1	1	1		1
9	00009	471410	05-05-	18-05-	12-05-2012	1009	1	24	1	1	1	1	5	Pregnancy induced Hypertension with increased resistance on doppler	2
10	00010	474450	22-05-	29-05-	23-05-2012	1010	1	25	1	1	1	2	3		1
11	00011	474602	23-05-	31-05-	23-05-2012	1011	1	20	1	1	1	1	5	Oligohydramnios with IUGR with PROM	1
13	00013	474826	25-05-	29-05-	25-05-2012	1013	1	24	1	1	1	1	5	Maternal request	1
14	00014	474755	24-05-	30-05-	25-05-2012	1014	1	23	1	1	1	2	5	Oligohydramnios with fetal ditress	2
15	00015	474963	25-05-	30-05-	25-05-2012	1015	1	22	1	1	1	1	5	Previous LSCS with contracted pelvis	1
17	00017	474964	25-05-	02-06-	28-05-2012	17	1	27	1	1	1	1	1		1
19	00019	475801	30-05-	08-06-	02-06-2012	1019	1	24	1	1	1	1	1		2
21	00021	476715	05-06-	12-06-	06-06-2012	1021	1	35	1	1	1	1	5	Elderly primigravida with precious pregnancy	1
23	00023	477085	07-06-	16-06-	08-06-2012	1023	1	20	1	1	1	2	5	Uncontrolled PIH with imminent eclampsia	2
24	00024	477338	09-06-	14-06-	09-06-2012	1024	1	20	1	1	1	2	2		1
25	00025	476729	05-06-	15-06-	09-06-2012	1025	1	20	1	1	1	2	2		2
26	00026	477516	10-06-	18-06-	12-06-2012	1026	1	22	1	1	1	2	2		1
27	00027	477725	12-06-	16-06-	12-06-2012	1027	1	27	1	1	1	1	1		1
29	00029	477548	11-06-	18-06-	13-06-2012	1029	1	26	1	1	1	1	1		1
32	00032	478538	17-06-	22-06-	17-06-2012	1032	1	24	1	1	1	1	1		1
33	00033	478916	19-06-	25-06-	20-06-2012	1033	1	27	-	-	-	-	-	-	-
35	00035	479114	20-06-	25-06-	21-06-2012	1035	1	22	1	1	1	1	1		1
37	00037	479666	23-06-	02-07-	25-06-2012	1037	1	23	1	1	1	1	4		1
41	00041	480483	28-06-	02-07-	29-06-2012	1041	1	25	1	1	1	1	5	asymmetrical IUGR with increased resistance doppler	1
45	00045	476531	04-06-	18-07-	13-07-2012	1042	1	27	1	1	1	1	5	macrosomia with polyhydramnios	1
46	00046	483874	19-07-	24-07-	20-07-2012	1044	1	21	1	1	1	1	1		1
47	00047	483920	20-07-	26-07-	21-07-2012	1045	1	20	1	1	1	2	5	PROM with fetal distress	1

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications	Demographic and obstetric history																Examination							
	Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
2		1	1	1	1	1	6	5	1	2	1	1	0	18-05-	25-02-	38	1	23-02-	156	54	22.2	84	110	70	1	1
7		1	1	1	1	3	4	2	1	2	1	1	0	11-08-	18-05-	39	1	20-05-	147	50	23.1	84	130	90	1	1
9	hypertension	1	1	1	1	2	6	5	1	1	0	0	0	03-09-	10-06-	36	1	11-06-	162	78	29.7	72	134	80	1	1
10		3	1	1	1	2	6	5	1	2	0	0	1	04-09-	11-06-	38	1	10-06-	148	61	27.8	84	120	70	1	1
11		1	1	1	1	1	4	3	1	1	0	0	0	30-08-	05-06-	38	2	6/25/2012	152	44	19.4	86	130	70	1	1
13		1	1	1	1	1	7	5	1	1	0	0	0	15-08-	22-05-	40	1	27-05-	153	72	30.7	78	110	76	1	1
14	hypothyroidism	2	1	1	1	2	6	5	1	2	0	0	1	26-08-	01-06-	39	1	02-06-	158	56	22.4	76	132	74	1	1
15		1	1	1	1	3	4	4	1	2	1	1	0	05-08-	12-05-	42	1	17-05-	140	58	29.5	84	124	80	1	1
17		1	1	1	1	1	5	3	1	3	1	1	1	22-08-	29-05-	40	1	02-06-	154	58	24.4	76	124	76	1	1
19	Hypertension	1	1	1	1	1	5	5	1	2	1	1	0	07-09-	14-06-	38	1	11-06-	155	90	37.4	82	130	90	1	1
21		1	1	1	1	1	5	4	1	1	0	0	0	09-09-	16-06-	39	1	17-06-	160	84	32.8	80	136	90	1	1
23	hypertension	1	1	1	1	1	5	4	1	1	0	0	0	12-09-	19-06-	38	1	21-06-	147	46	21.2	80	160	98	1	1
24		2	1	1	1	1	5	5	1	1	0	0	0	26-08-	02-06-	41	1	02-06-	162	70	26.6	84	126	80	1	1
25	cystitis	1	1	1	1	1	5	3	1	1	0	0	0	05-09-	12-06-	38	1	21-06-	154	49	20.6	88	120	64	1	1
26		3	1	1	1	1	6	5	1	1	0	0	0	04-09-	11-06-	40	1	27-06-	154	50	21.8	84	120	70	1	1
27		1	1	1	1	1	5	5	1	2	1	1	0	28-08-	04-06-	41	1	16-06-	142	71	35.7	84	120	74	1	1
29		1	1	1	1	1	5	5	1	3	1	1	1	15-09-	22-06-	39	1	24-06-	164	58	21.5	92	116	84	1	1
32		1	1	1	1	1	5	3	1	2	1	1	0	15-09-	22-06-	39	1	21-06-	156	59	24.2	84	110	70	1	1
33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35		1	1	1	1	1	5	5	1	2	1	10	0	25-09-	02-07-	38	1	28-06-	153	54	23	86	124	80	1	1
37		1	1	1	1	1	5	3	1	1	0	0	0	19-09-	26-06-	39	1	02-07-	138	41	21.5	84	130	84	1	1
41		1	1	1	1	1	6	5	1	2	1	1	0	10-10-	17-07-	37	1	24-07-	156	61	25	84	120	80	1	1
45		1	1	1	1	1	5	2	1	2	1	1	0	07-11-	14-08-	36	1	10-08-	152	64	27.7	84	136	84	1	1
46		1	1	1	1	1	5	5	1	2	1	1	0	06-10-	13-07-	41	1	26-06-	156	48	19.7	86	122	80	1	1
47		3	1	1	1	1	4	3	1	1	0	0	0	05-10-	12-07-	40	1	18-07-	160	60	23.4	80	104	64	1	1

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
2	34	3565	1	1	13.3	10.7	2	2	2000		5	1	3300	7
7	34	3565	1	1	11.6	8.4	2	2	2000		6	2	2900	7
9	28	2635	1	1	11.8	11.4	2	2	2000		7	1	2250	7
10	31	2945	1	1	13.1	9	1	2	2200		7	1	2600	8
11	27	2480	1	1	8.6	7.3	1	2	2500		9	1	2850	6
13	30	2945	1	1	12.3	10.6	2	2	2000		5	2	3300	6
14	27	2325	1	1	12.2	10	2	2	1800		6	1	3000	6
15	34	3565	1	1	9.8	8.3	2	2	2400		6	1	2600	7
17	34	3565	1	1	10.6	8.8	2	2	2500		6	2	3200	6
19	30	2945	1	1	11.6	10	2	2	2000		7	1	3000	6
21	30	2945	1	1	11.6	9.8	2	2	2500		7	2	2000	7
23	33	3410	1	1	12	10.6	2	2	2500		9	2	2600	8
24	28	2480	1	1	10.6	6.8	2	2	2000		6	2	2500	8
25	25	2170	1	1	9.6	9	2	2	2500		7	1	2250	8
26	28	2480	1	1	10.3	8.6	2	2	1500		7	2	1900	7
27	35	3720	1	1	12.5	9.8	2	2	2000		5	1	3400	7
29	31	3100	1	1	11.5	9.8	1	2	1800		6	2	3160	7
32	30	2945	1	1	12.6	11.8	2	2	2000		6	1	2800	7
33	-	-	-	-	-	-	-	-	-		-	-	-	-
35	32	3255	1	1	11.2	9.3	2	2	2500		5	2	2600	7
37	24	2015	1	1	12.4	11.1	2	2	3000		8	1	2110	7
41	28	2635	1	1	11	7.2	2	2	2500		4	2	2600	6
45	34	3200	1	1	10.3	7.4	1	2	2500		6	2	2900	6
46	31	3000	1	1	12.9	10.6	2	2	2800		5	1	3650	8
47	31	2975	1	1	13.2	11.6	2	2	2500		6	2	2600	8

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information									
	gar re	Hyperbilirubinemia			Head injury		Successful extraction			
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury				
2	8	2			2					1
7	8	2			2					2
9	9	1	15.4	+	2					3
10	9	2			2					4
11	8	1	13.8	+	2					5
13	8	1	16	+	2					6
14	8	2			2					7
15	9	2			2					8
17	8	1	14.6		2					9
19	7	2			2					10
21	8	1	13.8	+	2					11
23	9	1	13.2	+	2					12
24	9	1	13.2		2					13
25	9	2			2					14
26	8	1	9.4		2					15
27	8	2			2					16
29	8	2			2					17
32	8	2			2					18
33	-	-	-	-	-	-		Excluded	-	
35	8	2			2		N			20
37	8	2			2		N			21
41	7	2			2					22
45	7	1	12.2	+	2					23
46	9	2			2					24
47	9	2			2					25

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						Ma
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			
												Response	Indication	Other	Response
50	00050	484732	25-07-	02-08-	26-07-2012	1048	1	28	1	1	1	1	5	previous LSCS with CPD	1
54	00054	484868	26-07-	07-08-	01-08-2012	1052	1	26	1	1	1	1	5	bad obstetric history with previous LSCS with short stature	1
58	00058	486238	03-08-	09-08-	04-08-2012	1056	1	21	1	1	1	1	1		1
60	00060	486665	06-08-	10-08-	07-08-2012	1058	1	30	1	1	1	1	5	Previous 2 LSCS with IUGR with oligohydramnios	1
61	00061	486679	06-08-	12-08-	07-08-2012	1064	1	21	1	1	1	1	1		1
63	00063	485972	01-08-	20-08-	11-08-2012	1066	1	22	1	1	1	1	5	previous LSCS with gestational hypertension and GDM	1
64	00064	485328	29-07-	17-08-	13-08-2012	1067	1	27	1	1	1	1	5	polyhydramnios with fetal macrosomia	1
66	00066	488314	16-08-	21-08-	16-08-2012	1062	1	27	1	1	1	2	2		1
67	00067	488374	16-08-	22-08-	17-08-2012	1068	1	20	1	1	1	1	4		1
71	00071	489132	21-08-	28-08-	22-08-2012	1063	1	27	1	1	1	1	5	IUGR with single umbilical artery	1
73	00073	491115	02-09-	06-09-	02-09-2012	1073	1	23	1	1	1	2	1		1
74	00074	491153	03-09-	06-09-	03-09-2012	1074	1	24	1	1	1	2	4		1
78	00076	491706	05-09-	11-09-	05-09-2012	1100	1	24	1	1	1	2	1		1
80	00078	491540	04-09-	12-09-	06-09-2012	1082	1	25	1	1	1	1	1		1
81	00079	491309	03-09-	13-09-	07-09-2012	1083	1	26	1	1	1	1	5	previous LSCS with asymmetrical IUGR	1
82	00080	491948	06-09-	26-09-	10-09-2012	1084	1	28	1	1	1	2	5	failed induction	2
84	00082	492555	10-09-	15-09-	11-09-2012	1085	1	22	1	1	1	1	5	previous 2 LSCS	1
85	00083	492533	10-09-	19-09-	11-09-2012	1086	1	23	1	1	1	1	5	previous LSCS with asymmetrical IUGR	1
86	00084	492480	10-09-	18-09-	11-09-2012	1099	1	24	1	1	1	2	2		1
89	00086	493965	19-09-	29-09-	20-09-2012	1087	1	20	1	1	1	2	5	uncontrolled PIH with non-reassuring NST	2
92	00089	494946	25-09-	30-09-	26-09-2012	1088	1	27	1	1	1	1	1		1
96	00092	496047	02-10-	06-10-	03-10-2012	1101	1	32	1	1	1	1	1		1
98	00094	496359	04-10-	10-10-	04-10-2012	1090	1	20	1	1	1	1	1		1
99	00095	496687	06-10-	10-10-	06-10-2012	1091	1	28	1	1	1	2	5	previous 2 LSCS in labour	1
101	00097	497742	12-10-	19-10-	13-10-2012	1103	1	28	1	1	1	1	5	previous LSCS with precious pregnancy	1

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications					Demographic and obstetric history													Examination							
	Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
50		1	1	1	1	2	5	3	1	2	1	1	0	23-10-	30-07-	39	1	29-07-	151	46	20.1	88	110	64	1	1
54		1	1	1	1	1	5	2	1	4	2	1	1	22-11-	29-08-	36	1	22-08-	136	47	25.4	82	124	72	1	1
58		1	1	1	1	1	5	2	1	3	2	1	0	09-11-	16-08-	38	1	16-08-	149	59	26.5	72	108	66	1	1
60		1	1	1	1	1	4	5	1	3	2	2	0	20-11-	27-08-	37	1	24-08-	154	53	22.3	84	110	76	1	1
61		1	1	1	1	1	5	3	1	2	1	1	0	24-11-	01-08-	41	1	01-08-	156	56	23	84	124	62	1	1
63		1	1	1	1	1	5	4	1	2	1	1	0	24-11-	31-08-	37	1	02-09-	157	53	21.5	76	134	96	1	1
64		1	1	1	1	1	5	2	1	1	0	0	0	20-11-	27-08-	38	1	30-08-	152	61	26.4	88	116	72	1	1
66		1	1	1	1	4	7	5	1	1	0	0	0	09-11-	16-08-	40	1	19-08-	153	78	33.3	84	120	76	1	1
67		1	1	1	1	1	1	2	1	2	1	1	0	18-11-	24-08-	39	1	18-08-	146	43	20.1	84	106	64	1	1
71		1	1	1	1	4	6	5	1	1	0	0	0	22-11-	29-08-	39	1	31-08-	159	64	25.3	72	126	84	1	1
73		1	1	1	1	1	5	4	1	3	2	2	0	24-11-	01-09-	40	1	02-09-	150	49	21.7	88	110	68	1	1
74		1	1	1	1	1	5	3	1	2	1	1	0	26-11-	02-09-	40	1	02-09-	143	42	20.5	84	124	80	1	1
78		1	1	1	1	2	6	2	1	2	1	1	0	07-12-	12-09-	39	1	11-09-	148	64	29.2	84	110	68	1	1
80		1	1	1	1	1	5	3	1	2	1	1	0	30-11-	05-09-	40	1	08-09-	147	54	24.9	84	128	70	1	1
81		1	1	1	1	1	5	2	1	2	1	2	0	11-12-	16-09-	39	2	24-10-	143	46	22.4	84	124	70	1	1
82	severe PIH	1	1	1	1	1	5	2	1	1	0	0	0	28-12-	04-10-	36	1	04-10-	148	72	32.8	76	160	100	1	1
84		1	1	1	1	1	5	3	1	3	2	2	0	05-12-	12-09-	40	1	16-09-	162	67	25.5	76	130	76	1	1
85		1	1	1	1	1	5	2	1	3	1	1	1	10-12-	19-09-	39	1	24-09-	154	56	23.6	84	110	60	1	1
86		3	1	1	1	1	4	2	1	2	1	1	0	24-12-	01-10-	37	1	01-10-	141	47	23.6	86	118	74	1	1
89	PIH	1	1	1	1	1	4	3	1	1	0	0	0	10-12-	17-09-	40	2	17-10-	146	59	27.6	92	160	110	1	1
92		1	1	1	1	1	5	2	1	2	1	1	0	25-11-	30-09-	39	1	29-09-	149	56	25.2	92	110	76	1	1
96		1	1	1	1	4	6	5	1	2	1	1	0	08-01-	15-10-	38	1	12-10-	154	68	28.6	96	128	84	1	1
98		1	1	1	1	1	4	4	1	2	1	1	0	02-01-	09-10-	39	1	09-10-	157	60	24.3	88	124	84	1	1
99		1	1	1	1	1	4	2	1	3	2	2	0	05-01-	12-10-	39	1	16-10-	160	64	25	96	110	88	1	1
101		1	1	1	1	4	6	5	1	2	1	0	0	01-02-	07-11-	37	1	07-11-	153	52	22.2	96	114	84	1	1

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
50	35	3350	1	1	12.2	10.1	2	2	3100		8	2	3200	7
54	26	2400	1	1	13.6	10.3	2	2	2800		7	1	2300	6
58	28	2700	1	1	13.2	11.1	2	2	2800		6	1	2600	7
60	29	2600	1	1	12.3	11.7	2	2	2800		4	2	2680	6
61	37	3600	1	1	12.3	9.1	2	2	2000		6	2	3300	6
63	33	3255	1	1	9.3	7	2	2	2600		10	2	3250	6
64	33	3255	1	1	12.6	10.1	2	2	2700		5	2	3000	7
66	34	3565	1	1	14.6	12.2	2	2	2100		6	2	2890	6
67	29	2800	1	1	13.6	12.2	1	2	2400		5	2	2700	6
71	28	2700	1	1	13.4	11.2	2	2	2700		7	1	2400	7
73	30	2780	1	1	10.8	6.2	2	2	2700		5	1	3250	7
74	31	3000	1	1	14.1	10.2	1	2	2000		4	1	2900	7
78	36	3500	1	1	11.2	9.6	2	2	2000		7	1	3400	7
80	28	2700	1	1	12.8	10.1	2	2	2500		7	2	2380	6
81	24	2300	1	1	13.8	11	2	2	2000		7	2	1600	6
82	34	3300	1	1	9.6	6.3	2	1	2100	atonic PPH occurred.	17	1	3100	7
84	38	4030	1	1	12.8	10.6	2	2	2100		5	2	3500	7
85	29	2790	1	1	13.3	10.8	2	2	2400		9	2	2300	6
86	27	2480	1	1	11.3	6.8	2	2	2500		7	1	2800	6
89	26	2455	1	1	12.6	10	2	2	2900		10	2	2100	6
92	32	3155	1	1	11.3	7	1	2	2500		5	2	2800	6
96	38	4185	1	1	11.7	9	2	1	2800	atonic PPH.	4	1	3660	7
98	34	3200	1	1	11.3	8	2	2	2400		7	2	3100	7
99	36	3875	1	1	9.5	6.3	2	2	2000		5	2	3200	8
101	27	2480	1	1	12.5	10.6	2	2	2000		7	2	2350	6

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information							
	gar re	Hyperbilirubinemia			Head injury			
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury	Successful extraction	
50	8	2			2			26
54	8	1	13.2	+	2			27
58	8	2			2			28
60	8	2			2			29
61	7	1	13	+	2			30
63	8	2			2			31
64	8	1	13.2	+	2			32
66	7	1	14.6	+	2			33
67	8	2			2			34
71	8	1	11.2	+	2			35
73	8	2			2			36
74	8	2			2			37
78	8	2			2			38
80	7	1	11	+	2			39
81	7	1	14.5	+	2			40
82	8	2			2			41
84	8	2			2			42
85	7	2			2			43
86	8	2			2			44
89	9	1	13		2			45
92	8	2			2			46
96	8	2			2		N	47
98	8	2			2			48
99	9	2			2			49
101	7	2			2		N	50

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			Ma
												Response	Indication	Other	Response
103	00099	499017	22-10-	29-10-	22-10-2012	1093	1	20	1	1	1	2	2		1
105	00101	49146	23-10-	30-10-	25-10-2012	1095	1	23	1	1	1	1	1		1
115	00103	502330	19-11-	23-11-	20-11-2012	1104	1	30	1	1	1	1	5	previous LSCS with gestational hypertension	2
118	00104	502460	20-11-	28-11-	22-11-2012	1110	1	24	1	1	1	1	5	previous 2 LSCS	1
119	00105	502634	21-11-	28-11-	22-11-2012	1111	1	22	1	1	1	2	5	bad obstetric history with gestational hypertension	2
123	00106	53462	27-11-	01-12-	28-11-2012	1105	1	31	1	1	1	1	5	chronic hypertension with superimposed pre-eclampsia	2
125	00108	503540	28-11-	02-12-	28-11-2012	1112	1	29	1	1	1	2	1		1
129	00111	503902	30-11-	08-12-	01-12-2012	1115	1	26	1	1	1	1	1		1
130	00112	504147	02-12-	05-12-	03-12-2012	1106	1	21	1	1	1	1	5	pre eclampsia	2
133	00114	504447	04-12-	12-12-	04-12-2012	1117	1	24	1	1	1	1	1		1
134	00115	504428	04-12-	11-12-	04-12-2012	1116	1	27	1	1	1	2	1		1
136	00116	505000	08-12-	14-12-	08-12-2012	1122	1	32	1	1	1	2	2		1
141	00119	506052	15-12-	20-12-	15-12-2012	1123	1	36	1	1	1	2	5	thick meconium stained liqour	1
147	00122	507339	24-12-	30-12-	24-12-2012	1108	1	32	1	1	1	1	5	previous LSCS with GDM	1
151	00123	510595	12-01-	17-01-	14-01-2013	1137	1	23	1	1	1	1	5	assisted conception	1
171	00128	512888	27-01-	26-02-	18-02-2013	1126	1	26	1	1	1	1	5	previous LSCS with GDM	2
174	00130	516878	19-02-	23-02-	20-02-2013	1135	1	26	1	1	1	1	5	ASD closure	2
199	00136	523602	01-04-	08-04-	03-04-2013	1080	1	23	1	1	1	1	1		1
209	00138	526696	18-04-	29-04-	19-04-2013	1133	1	28	1	1	1	1	1		2
210	00139	526688	18-04-	23-04-	19-04-2013	1131	1	29	1	1	1	1	1		2
219	00143	528698	23-04-	06-05-	30-04-2013	1143	1	21	1	1	1	1	5	previous LSCS with PIH	2
222	00146	529107	05-05-	13-05-	05-05-2013	1146	1	23	1	1	1	2	3		2
225	00148	529704	05-05-	14-05-	09-05-2013	1148	1	28	1	1	1	1	1		1
228	00149	530581	14-05-	19-05-	14-05-2013	1149	1	25	1	1	1	2	1		1
232	00150	534027	03-06-	13-06-	05-06-2013	1150	1	25	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications					Demographic and obstetric history													Examination							
	Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
103		4	1	1	1	1	5	4	1	1	0	0	0	12-01-	19-10-	41	1	18-10-	156	60	24.6	86	122	74	1	1
105		1	1	1	1	1	4	2	1	3	1	1	1	15-01-	22-10-	40	NA		153	52	22.2	76	124	82	1	1
115	hypertension	1	1	1	1	1	6	5	1	3	1	1	1	03-03-	10-12-	37	1	10-12-	152	58	25.1	76	134	88	1	1
118		1	1	1	1	1	4	3	1	3	1	1	0	03-03-	10-12-	37	1	10-12-	158	75	30	88	134	76	1	1
119	gestational hypertension	1	1	1	1	3	3	2	1	3	2	0	0	17-02-	24-11-	40	1	24-11-	153	65	27.7	72	144	92	1	1
123	chronic hypertension.	1	1	1	1	1	5	5	1	2	1	1	0	11-03-	18-12-	37	1	20-12-	164	78	29	78	160	100	1	1
125		1	1	1	1	1	5	3	1	2	1	1	0	17-03-	24-12-	36	1	24-12-	153	56	23.9	84	136	84	1	1
129		1	1	1	1	1	5	3	1	2	1	1	0	20-02-	27-11-	41	NA		144	48	23.1	92	110	62	1	1
130	hypertension	1	1	1	1	1	6	5	1	1	0	0	0	18-03-	23-12-	37	1	23-12-	154	62	26.1	72	148	96	1	1
133		1	1	1	1	1	5	3	1	2	1	1	0	04-03-	11-12-	39	1	11-12-	145	56	26.6	86	124	82	1	1
134		1	1	1	1	1	5	3	1	2	1	1	0	05-03-	12-12-	39	NA		154	60	25.2	84	120	82	1	1
136		1	1	1	1	1	5	3	1	1	0	0	0	23-02-	01-12-	41	1	30-11-	148	56	25.5	92	116	84	1	1
141		1	1	1	1	1	5	3	1	3	2	1	0	05-03-	12-12-	40	1	15-12-	156	68	27.9	84	140	92	1	1
147	GDM	1	1	11	1	1	5	5	1	2	1	1	0	02-04-	09-01-	38	NA		156	70	28.7	76	124	92	1	1
151		1	1	1	1	1	5	5	1	1	0	0	0	29-04-	03-02-	37	NA		160	68	26.5	64	130	80	1	1
171	GDM	1	1	1	1	2	5	3	1	3	1	1	1	04-06-	11-03-	36	2	02-03-203	157	70	28.3	84	124	68	1	1
174	ASD	1	1	1	1	1	6	5	1	1	0	0	0	17-05-	24-02-	39	1	24-02-	160	58	22.6	90	104	68	1	1
199		1	1	1	1	1	5	3	1	2	1	1	0	03-07-	10-04-	39	1	10-04-	158	64	25.6	84	110	74	1	1
209	PIH	1	1	1	1	2	5	5	1	2	1	1	0	27-07-	03-05-	38	1	04-05-	157	71	28.8	84	150	100	1	1
210	bronchial asthma	1	1	1	1	1	5	3	1	2	1	1	0	26-07-	02-05-	38	1	30-04-	156	62	25.4	84	110	80	1	1
219	PIH	1	1	1	1	1	5	3	1	2	1	1	0	09-08-	16-05-	38	NA		146	52	24.3	84	160	94	1	1
222	PIH	3	1	1	1	1	5	2	1	1	0	0	0	30-07-	05-05-	40	1	03-05-	156	70	28.7	84	124	86	1	1
225		1	1	1	1	1	5	2	1	2	1	1	0	31-07-	06-05-	40	NA		148	56	25.5	84	124	80	1	1
228		1	1	1	1	1	6	3	1	2	1	1	0	05-08-	12-05-	42	NA		154	62	26.1	88	110	90	1	1
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
103	28	2600	1	1	10.9	8.3	2	2	2400		8	2	2000	8
105	31	3000	1	1	11.3	9.2	2	2	2200		6	2	2600	7
115	34	3200	1	1	11.6	9.4	2	2	2000		4	2	3000	7
118	29	2800	1	1	11.6	9.3	2	2	2000		6	2	3000	7
119	31	3000	1	1	12	9.3	2	2	2500		7	1	2900	6
123	29	2700	1	1	13.8	10.6	2	2	2000		4	2	2300	7
125	31	2900	1	1	11.3	9.4	2	2	2000		5	1	3000	7
129	31	3000	1	1	11.4	9.8	2	2	2000		8	2	2600	7
130	33	3410	1	1	11.6	9.3	2	2	1500		3	2	2900	8
133	29	2790	1	1	12.4	10.6	1	2	2000		9	1	2540	7
134	32	3100	1	1	12.8	10.6	1	2	2000		8	1	2500	6
136	37	3500	1	1	14	11.3	2	2	2000		5	1	3200	6
141	34	3200	1	1	13.2	10.1	1	2	2500		6	2	3200	6
147	39	4340	1	1	8.8	8.1	2	2	2500	one whole blood transfused intraoperative in view of low preoperative hemoglobin	7	2	4500	7
151	32	3250	1	1	13.6	12.1	2	2	2500		4	1	2040	8
171	32	3255	1	1	12.3	9.8	2	2	2000		7	1	2500	6
174	31	3155	1	1	14.2	13.5	2	2	2000		4	1	3000	7
199	31	2900	1	1	13.2	10.2	2	2	2500		6	1	2700	7
209	38	3675	1	1	10.7	7.3	2	2	2000		11	2	3200	6
210	30	2895	1	1	13.2	10.6	1	2	3500	patient developed statis pneumonia	6	1	2600	6
219	29	2790	1	1	12.8	10.1	2	2	2500		7	1	2300	7
222	36	3875	1	1	13.1	9.4	1	2	2000		8	1	2900	7
225	34	3565	1	1	12.4	10	2	2	2000		5	1	3000	8
228	27	2480	1	1	12.1	9.6	2	2	2500		6	2	2300	7
232	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information								
	gar re	Hyperbilirubinemia			Head injury				
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury	Successful extraction		
103	9	1	13.6	+	2				51
105	8	2			2				52
115	8	2			2		N		53
118	8	2			2				54
119	9	2			2				55
123	8	1	14.2	+	2				56
125	9	2			2				57
129	8	2			2				58
130	9	2			2				59
133	8	1	16.4	+	2				60
134	7	2			2				61
136	8	1	13.6	+	2				62
141	7	1	13.9	+	2				63
147	9	1	10.6		2		N		64
151	9	2			2				65
171	8	1	18.2	+	2				66
174	9	2			2				67
199	8	2			2				68
209	8	2			2				69
210	8	2			2				70
219	8	2			2				71
222	8	2			2				72
225	9	2			2				73
228	8	2			1	scalpel injury			74
232	-	-	-	-	-	-		Excluded as	75

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			Ma
												Response	Indication	Other	Response
1	1	457839	05-02-	09-02-	06-02-2012	1001	2	26	1	1	1	1	5	Precious pregnancy	1
3	00003	470080	27-04-	02-05-	28-04-2012	1003	2	38	1	1	1	1	1		2
4	00004	471059	03-05-	08-05-	04-05-2012	1004	2	19	1	1	1	1	4		1
5	00005	471473	06-05-	10-05-	07-05-2012	1005	2	31	1	1	1	1	1		1
6	00006	471485	06-05-	09-05-	07-05-2012	1006	2	24	1	1	1	1	1		1
8	00008	472129	09-05-	12-05-	10-05-2012	1008	2	35	1	1	1	1	1		1
12	00012	474199	21-05-	28-05-	24-05-2012	1012	2	23	1	1	1	1	4		1
16	00016	471462	06-05-	01-06-	26-05-2012	1016	2	25	1	1	1	1	5	Previous LSCS with no living issue	2
18	00018	476163	02-06-	08-06-	02-06-2012	1018	2	26	1	1	1	2	1		1
20	00020	476390	04-06-	07-06-	04-06-2012	1020	2	24	1	1	1	2	1		1
22	00022	476907	06-06-	14-06-	07-06-2012	1022	2	20	1	1	1	2	3		1
28	00028	477829	12-06-	21-06-	12-06-2012	1028	2	28	1	1	1	2	5	Previous LSCS with scar dehiscence	1
30	00030	477686	11-06-	18-06-	13-06-2012	1030	2	30	1	1	1	2	3		1
31	00031	477949	13-06-	17-06-	14-06-2012	1031	2	23	1	1	1	1	5	PROM	1
34	00034	478201	14-06-	28-06-	20-06-2012	1034	2	26	1	1	1	1	5	Previous 2 LSCS	1
36	00036	474732	24-06-	02-07-	24-06-2012	1036	2	33	1	1	1	1	1		1
38	00038	479685	23-06-	28-06-	25-06-2012	1038	2	29	1	1	1	1	5	Precious pregnancy	1
39	00039	479332	21-06-	02-07-	25-06-2012	1039	2	21	1	1	1	1	1		1
40	00040	480321	27-06-	02-06-	28-06-2012	1040	2	32	1	1	1	1	5	Bad obstetric history	1
42	00042	479909	25-06-	05-07-	29-06-2012	1060	2	24	1	1	1	1	5	previous 2 LSCS	1
43	00043	490144	26-06-	04-07-	29-06-2012	1059	2	25	1	1	1	1	1		1
44	00044	480938	02-07-	09-07-	02-07-2012	1043	2	21	1	1	1	1	1		1
48	00048	484049	20-07-	28-07-	22-07-2012	1046	2	34	1	1	1	2	5	macrosomia /GDM	2
49	00049	484375	23-07-	28-07-	24-07-2012	1047	2	26	1	1	1	1	5	bad obstetric history	1
51	00051	485264	28-07-	04-08-	29-07-2012	1049	2	20	1	1	1	2	3		1

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications / Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
		Demographic and obstetric history																	Examination							
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
1		1	1	1	1	1	1	5	1	3	0	0	2	09-05-	16-02-	38	1	13-02-	158	68	27.2	76	130	84	1	1
3	umbilical hernia	1	1	1	1	1	5	5	1	5	3	3	1	17-08-	24-05-	36	1	21-05-	155	62	25.8	76	126	84	1	1
4		1	1	1	1	1	4	4	1	1	0	0	0	24-07-	01-05-	41	1	03-05-	149	56	25.2	84	126	72	1	1
5		1	1	1	1	2	6	5	1	2	1	1	0	11-08-	18-05-	38	1	11-05-	163	75	28.2	88	116	80	1	1
6		1	1	1	1	1	6	5	1	2	1	0	0	16-08-	23-05-	38	1	18-05-	156	57	23.4	88	110	70	1	1
8		1	1	1	1	1	6	5	1	2	1	1	0	17-08-	26-05-	38	1	26-05-	156	66	27.1	74	120	88	1	1
12		1	1	1	1	1	5	4	1	1	0	0	0	17-08-	24-05-	40	1	23-05-	148	56	25.6	80	130	86	1	1
16	bronchial asthma	1	1	1	1	1	5	3	1	2	1	0	0	03-09-	10-06-	38	1	13-06-	145	58	27.5	86	114	68	1	1
18		1	1	1	1	1	5	3	1	3	2	2	0	27-08-	04-06-	40	1	07-06-	149	53	23.8	80	120	70	1	1
20		2	1	1	1	1	5	5	1	2	1	1	0	26-08-	03-06-	40	1	06-06-	154	58	24.4	84	136	86	1	1
22		1	1	1	1	1	5	3	1	1	0	0	0	30-08-	06-06-	40	1	05-06-	153	57	24.3	84	116	70	1	1
28		1	1	1	1	3	1	2	1	4	3	2	0	22-08-	29-05-	42	NA	-	164	58	21.5	76	110	76	1	1
30		2	1	1	1	1	5	5	1	2	0	0	1	08-09-	15-06-	40	1	22-06-	158	62	24.8	84	126	84	1	1
31		1	1	1	1	1	6	5	1	1	0	0	0	19-09-	26-06-	38	1	25-06-	153	57	24.3	84	124	68	1	1
34		1	1	1	1	1	5	3	1	3	2	2	0	25-09-	01-07-	38	1	06-07-	145	43	20.4	80	110	70	1	1
36		1	1	1	1	1	5	3	1	2	1	1	0	25-09-	02-07-	39	1	03-07-	149	54	24.3	84	110	70	1	1
38		1	1	1	1	1	4	5	1	3	2	1	0	03-10-	10-07-	38	1	08-07-	158	71	28.4	80	110	70	1	1
39		1	1	1	1	1	5	3	1	2	1	1	0	28-09-	05-07-	38	1	05-07-	152	62	26.8	84	146	94	1	1
40		1	1	1	1	1	5	5	1	2	1	0	0	11-10-	18-07-	37	1	16-07-	163	59	22.2	84	110	70	1	1
42		1	1	1	1	1	4	4	1	3	2	2	0	15-11-	21-08-	36	2	19-07-	156	72	29.5	84	128	90	1	1
43		1	1	1	1	1	5	3	1	2	1	1	0	29-09-	06-07-	40	1	07-07-	154	53	22.3	84	110	74	1	1
44		1	1	1	1	1	5	3	1	3	1	1	1	07-10-	14-07-	38	1	07-07-	147	65	30	84	120	70	1	1
48	Gestational Diabetes Mellitus	1	1	1	1	2	6	5	1	1	0	0	0	18-10-	25-07-	39	1	19-07-	163	67	25.2	84	110	72	1	1
49		1	1	1	1	1	6	5	1	4	0	0	3	01-11-	08-08-	38	1	08-08-	163	74	27.8	92	106	70	1	1
51		3	1	1	1	1	5	2	1	1	0	0	0	17-11-	24-08-	36	1	15-08-	156	63	25.8	80	122	74	1	1

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
1	32	3255	1	1	11.6	10.2	2	2	2000		4	2	2800	8
3	28	2635	1	1	11.3	8.6	2	2	2500		5	1	2500	8
4	34	3565	1	1	9.6	6.2	2	2	2000		5	2	3100	8
5	33	3255	1	1	10.9	9	2	2	1800		4	1	2700	7
6	28	2635	1	1	10.4	9.8	2	2	2500		3	1	3000	8
8	34	3565	1	1	10.6	10.4	2	2	2000		3	2	2800	8
12	35	3720	1	1	11.8	11	2	2	2000		5	2	3400	7
16	28	2635	1	1	13.3	11.8	2	2	2000		7	1	2700	7
18	28	2635	1	1	11.6	10.1	2	2	2000		7	1	2500	7
20	37	4030	1	1	10.3	10.1	2	2	2000		4	1	3100	7
22	29	2790	1	1	10.3	8.8	2	2	2000		8	1	3500	7
28	33	3410	1	1	12.6	9.3	2	2	5750	atonic PPH 2 hours post section - peripartum hysterectomy done - 3 pint of whole blood transfused	10	1	3400	8
30	28	2636	1	1	13.8	11	2	2	2000		6	2	2400	7
31	30	2945	1	1	13.6	10.8	2	2	2400		4	1	3200	8
34	33	3410	1	1	11.6	10.3	2	2	2200		9	2	2650	7
36	33	3410	1	1	10.6	9.1	2	2	2500		9	2	3500	8
38	38	4185	1	1	13.4	11	2	2	2000		4	1	2600	7
39	32	3255	1	1	11.6	9.2	2	2	2500		8	1	3200	7
40	29	2790	1	1	13.8	12	2	2	3000		5	1	2800	7
42	26	2355	1	1	12.8	10.6	2	2	2500		6	1	2300	7
43	30	2945	1	1	13.8	11	2	2	2500		6	2	2800	8
44	36	3875	1	1	14.5	12	2	2	2800		8	1	2800	8
48	34	3200	1	1	15.2	13	1	2	2200		7	2	4200	8
49	32	3015	1	1	10.7	8.1	2	2	2000		5	2	3460	8
51	28	2650	1	1	13.6	11.2	2	2	2600		7	1	2600	6

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information							Successful extraction
	gar re	Hyperbilirubinemia			Head injury			
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury		
1	9	2			2			
3	9	2			2			
4	9	2			2			
5	9	2			2			
6	9	2			2			
8	9	1	18.6	+	2			
12	9	2			2			
16	9	2			2			
18	8	1	13.3		2			
20	8	2			2			
22	8	1	14.9	+	2			
28	9	2			2			
30	8	2			2			
31	9	2			2			
34	8	2			2			
36	9	2			2			
38	8	2			2			
39	8	2			2			
40	8	2			2			
42	8	2			2			
43	9	2			2			
44	9	2			2			
48	9	2			2			N
49	9	2			2			
51	8	2			2			

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			Ma
												Response	Indication	Other	Response
52	00052	484728	25-07-	04-08-	30-07-2012	1050	2	29	1	1	1	1	1		1
53	00053	485614	30-07-	04-08-	31-07-2012	1051	2	35	1	1	1	1	5	severe PIH and GDM with elderly primi	2
55	00055	485838	01-08-	06-08-	01-08-2012	1053	2	24	1	1	1	1	5	previous LSCS with macrosomia	2
56	00056	486172	03-08-	07-08-	03-08-2012	1054	2	27	1	1	1	1	5	previous 2 LSCS	1
57	00057	486296	03-08-	09-08-	04-08-2012	1055	2	24	1	1	1	1	1		1
59	00059	486446	04-08-	10-08-	05-08-2012	1057	2	26	1	1	1	2	4	1	1
62	00062	487241	09-08-	12-08-	09-08-2012	1065	2	27	1	1	1	2	2		1
65	00065	487712	13-08-	18-08-	14-08-2012	1061	2	30	1	1	1	1	5	previous 2 LSCS	1
68	00068	488280	16-08-	22-08-	17-08-2012	1069	2	19	1	1	1	1	5	deformed pelvis	2
69	00069	488443	17-08-	22-08-	18-08-2012	1070	2	25	1	1	1	2	1		1
70	00070	488364	16-08-	22-08-	18-08-2012	1071	2	23	1	1	1	2	3		1
72	00072	490056	27-08-	03-09-	30-08-2012	1072	2	29	1	1	1	1	5	previous 2 LSCS	1
75	00075	441372	03-09-	07-09-	03-09-2012	1075	2	26	1	1	1	2	5	maternal request	1
79	00077	491531	04-09-	12-09-	06-09-2012	1081	2	19	1	1	1	2			1
83	00081	492588	10-09-	15-09-	10-09-2012	1098	2	23	1	1	1	2	1		1
88	00085	493472	15-09-	21-09-	18-09-2012	1077	2	31	1	1	1	1	5	fibroid uterus with gestational hypertension	2
90	00087	494294	22-09-	01-10-	22-09-2012	1076	2	19	1	1	1	2	5	PPROM	1
91	00088	494778	24-09-	29-09-	25-09-2012	1078	2	28	1	1	1	1	5	precious pregnancy	2
94	00090	495026	26-09-	03-10-	28-09-2012	1089	2	22	1	1	1	1	1		1
95	00091	495061	26-09-	04-10-	28-09-2012	1097	2	28	1	1	1	2	3		2
97	00093	496087	03-10-	06-10-	03-10-2012	1102	2	30	1	1	1	1	1		1
100	00096	496426	04-10-	12-10-	06-10-2012	1092	2	27	1	1	1	1	1		1
102	00098	498484	18-10-	23-10-	18-10-2012	1109	2	29	1	1	1	1	4		1
104	00100	498411	17-10-	31-10-	25-10-2012	1094	2	21	1	1	1	1	1		1
114	00102	501408	12-11-	27-11-	20-11-2012	1096	2	19	1	1	1	1	5	previous LSCS with asymmetrical IUGR.	1

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications					Demographic and obstetric history													Examination							
	Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
52		1	1	1	1	1	5	2	1	3	2	2	0	06-11-	13-08-	38	1	13-08-	150	64	26.9	76	132	76	1	1
53	severe PIH /GDM	1	1	1	1	1	5	5	1	1	0	0	0	11-11-	18-08-	37	1	12-08-	156	72	29.5	74	146	98	1	1
55	GDM	1	1	1	1	1	5	5	1	2	1	1	0	18-11-	25-08-	37	1	24-08-	154	60	25.2	84	136	84	1	1
56		1	1	1	1	1	6	5	1	3	2	1	0	04-11-	11-08-	39	1	08-08-	159	63	39.6	84	126	84	1	1
57		1	1	1	1	2	6	5	1	2	1	1	0	27-10-	02-08-	40	1	31-07-	152	61	26.4	88	126	88	1	1
59		1	1	1	1	1	5	3	1	1	0	0	0	20-10-	27-07-	41	NA		144	56	27	84	110	70	1	1
62		3	1	1	1	1	6	5	1	1	0	0	0	03-11-	10-08-	40	1	10-08-	156	58	23.8	84	130	68	1	1
65		1	1	1	1	1	6	5	1	3	2	2	0	14-12-	21-09-	36	1	16-09-	156	63	25.8	84	134	76	1	1
68	scoliosis	1	1	1	1	1	5	3	1	1	0	0	0	07-11-	14-08-	41	NA		151	60	26.3	84	116	78	1	1
69		1	1	1	1	1	5	3	1	2	1	1	0	04-11-	11-08-	41	1	12-08-	150	54	24	84	124	80	1	1
70		1	1	1	1	1	6	5	1	2	0	0	1	13-11-	20-08-	39	1	22-08-	152	49	21.2	84	112	64	1	1
72		1	1	1	1	1	5	4	1	3	2	2	0	08-12-	13-09-	38	1	19-09-	164	72	26.7	78	126	84	1	1
75		1	1	1	1	4	6	5	1	1	0	0	0	23-11-	30-08-	41	1	27-08-	156	64	26.2	88	110	84	1	1
79		1	1	1	1	1	5	2	1	1	0	0	0	18-11-	25-08-	40	2	02-09-	153	65	27.6	88	110	64	1	1
83		1	1	1	1	1	4	4	1	2	1	1	0	16-12-	21-09-	39	1	24-09-	152	58	25.1	84	124	80	1	1
88	fibroid uterus	1	1	1	1	1	6	5	1	1	0	0	0	23-12-	28-09-	39	1	28-09-	156	58	23.8	96	144	92	1	1
90		1	1	1	1	1	6	5	1	1	0	0	0	09-01-	16-10-	37	1	18-10-	156	54	22.1	84	110	64	1	1
91	hypertension	1	1	1	1	1	6	5	1	1	0	0	0	11-01-	18-10-	37	1	21-10-	157	60	24.3	96	148	94	1	1
94		1	1	1	1	1	6	2	1	2	1	1	0	27-12-	04-10-	40	1	30-09-	150	49	21.7	86	104	68	1	1
95	hypertension	1	1	1	1	1	5	2	1	5	3	3	1	10-01-	17-10-	37	2	28-09-	150	72	32	80	140	88	1	1
97		1	1	1	1	1	5	5	1	2	1	1	0	04-01-	11-10-	39	1	10-10-	149	58	26.1	86	120	68	1	1
100		1	1	1	1	1	4	2	1	3	1	1	0	07-01-	14-10-	39	NA		148	52	23.7	76	124	72	1	1
102		1	1	1	1	4	6	5	1	1	0	0	0	11-01-	18-10-	40	NA		160	65	23.8	86	110	74	1	1
104		1	1	1	1	1	5	2	1	2	1	1	0	17-01-	24-10-	40	NA		153	56	23.9	72	124	84	1	1
114		1	1	1	1	1	5	2	1	2	1	1	0	04-03-	11-12-	37	1	11-12-	144	38	18.3	88	144	92	1	1

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
52	28	2650	1	1	12.6	10	2	2	2500		6	2	2500	7
53	36	3430	1	1	15	12.3	2	2	2100		5	2	3700	7
55	41	3900	1	1	13	10.6	2	2	2500		6	2	3800	6
56	31	2900	1	1	12.6	11.3	2	2	2400		5	1	2800	7
57	34	3250	1	1	12.2	9.8	2	2	2400		6	1	3100	6
59	40	3980	1	1	12.2	9.8	2	2	2000		6	1	3800	6
62	34	3500	1	1	12.3	9.8	2	2	2800		4	1	2800	6
65	32	2985	1	1	12.6	10	2	2	2800		5	2	2900	7
68	30	2900	1	1	12.2	10.6	2	2	2800		6	2	2000	7
69	36	3500	1	1	12.8	11.2	2	2	2800		5	1	3400	6
70	31	2800	1	1	9.8	7.4	2	2	3100		5	1	2420	7
72	34	3300	1	1	10.4	7.2	1	2	2500		5	1	3350	7
75	29	2800	1	1	13.2	10	2	2	2000		5	2	2550	6
79	37	3600	1	1	12.8	9.2	2	2	2400		7	2	3650	7
83	28	2700	1	1	10.6	7.8	2	2	1800		6	1	2500	7
88	35	3720	1	1	11.6	7.2	2	2	2700	excess blood loss secondary to myomectomy	4	2	3230	6
90	24	2015	1	1	10.3	7.6	2	2	2200		10	1	2140	6
91	31	2950	1	1	13.2	11.1	2	2	2000		5	2	2970	6
94	32	3000	1	1	13.4	11.6	2	2	2400		6	1	3000	7
95	31	3100	1	1	12.2	9.6	2	2	2100		7	1	3025	7
97	36	3875	1	1	11.1	7.8	2	2	2500		4	1	3220	7
100	34	3200	1	1	13.7	9.4	2	2	2500		7	2	3000	6
102	30	2955	1	1	13.1	11.4	2	2	2300		6	1	3200	7
104	36	3400	1	1	13.3	11.1	2	2	2500		6	1	3460	7
114	24	2200	1	1	12.3	11.5	2	2	1500		8	1	1915	7

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information							
	gar re	Hyperbilirubinemia			Head injury			
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury	Successful extraction	
52	9	2			2			
53	9	1	17.5	+	2			
55	7	2			2			
56	8	2			2			
57	9	1	9.8	+	2			
59	8	2			2			
62	9	2			2			
65	8	1	11	+	2		N	
68	9	2			2			
69	8	2			2		N	
70	9	2			2			
72	8	2			2		N	
75	8	2			2			
79	8	2			2			
83	8	2			2			
88	8	2			2			
90	8	1	11.3		2			
91	8	2			2			
94	9	2			1	incisional cut on scalp 1 cm		
95	9	2			2			
97	8	2			2			
100	7	2			2			
102	9	2			2			
104	8	2			2			
114	8	2			2			

ANNEXURE IV - MASTER CHART

Serial Number	Screening identification number	Enrolment number	In patient number	Date of admission	Date of operation	SNOSE No	Group	Age (Years)	Screening						
									Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Elective section			Ma
												Response	Indication	Other	Response
124	00107	503018	24-11-	03-12-	28-11-2012	1120	2	27	1	1	1	1	5	previous 2 LSCS	1
126	00109	503652	29-11-	05-12-	29-11-2012	1113	2	23	1	1	1	2	1		1
128	00110	503936	30-11-	05-12-	01-12-2012	1114	2	24	1	1	1	1	5	precious pregnancy	1
132	00113	504336	04-12-	13-12-	04-12-2012	1118	2	22	1	1	1	2	5	previous 2 LSCS with scar dehiscence	1
139	00117	505776	13-12-	20-12-	15-12-2012	1121	2	24	1	1	1	1	5	previous 2 LSCS	1
140	00118	506019	15-12-	17-12-	15-12-2012	1107	2	26	1	1	1	2	1		1
144	00120	506203	16-12-	19-12-	17-12-2012	1140	2	40	1	1	1	1	5	elderly primipara with chronic hypertension	2
145	00121	506182	16-12-	19-12-	17-12-2012	1139	2	27	1	1	1	1	5	PIH with IUGR	2
152	00124	510704	13-01-	17-01-	14-01-2013	1138	2	29	1	1	1	1	5	previous 2 LSCS	1
154	00125	511361	17-01-	28-01-	21-01-2013	1119	2	25	1	1	1	1	1		2
155	00126	512175	22-01-	28-01-	23-01-2013	1124	2	21	1	1	1	2	4		1
170	00127	515887	13-02-	01-03-	18-02-2013	1125	2	26	1	1	1	1	1		1
173	00129	516913	20-02-	23-02-	20-02-2013	1136	2	26	1	1	1	1	4		2
179	00131	518599	02-03-	08-03-	02-03-2013	1128	2	23	1	1	1	2	1		1
184	00132	520574	14-03-	25-03-	15-03-2013	1129	2	21	1	1	1	2	1		1
188	00133	521205	18-03-	25-03-	19-03-2013	1127	2	29	1	1	1	1	5	previous 2 LSCS with type 2 DM & PIH	1
192	00134	522596	26-03-	05-04-	28-03-2013	1130	2	25	1	1	1	1	1		1
195	00135	523111	29-03-	02-04-	30-03-2013	1079	2	26	1	1	1	1	5	previous LSCS with IUGR	1
206	00137	524566	05-04-	10-04-	06-04-2013	1134	2	33	1	1	1	1	5	oligohydramnios with precious pregnancy	2
211	00140	526817	19-04-	25-04-	20-04-2013	1141	2	25	1	1	1	1	5	previous 2 LSCS	1
212	00141	525516	12-04-	27-04-	22-04-2013	1132	2	22	1	1	1	1	1		1
216	00142	527725	25-04-	06-05-	30-04-2013	1142	2	30	1	1	1	1	1		2
217	00143	527379	02-05-	11-05-	02-05-2013	1144	2	36	1	1	1	1	1		1
221	00145	528951	03-05-	13-05-	04-05-2013	1145	2	22	1	1	1	1	1		1
223	00147	529362	06-05-	12-05-	07-05-2013	1147	2	24	1	1	1	1	5	previous LSCS with asymmetrical IUGR	1

ANNEXURE IV - MASTER CHART

Serial Number	aternal medical complications					Demographic and obstetric history													Examination							
	Complications	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Blood pressure		Systemic	
																							Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory
124		1	1	1	1	1	5	3	1	4	2	1	1	10-03-	17-12-	37	1	15-12-	148	58	26.4	72	124	76	1	1
126		1	1	1	1	1	5	3	1	2	1	1	0	16-03-	23-12-	36	2	05-12-	153	58	24.7	82	130	70	1	1
128		1	1	1	1	1	6	5	1	2	1	0	0	12-03-	19-12-	37	1	19-12-	154	56	23.6	72	120	84	1	1
132		1	1	1	1	1	5	3	1	3	2	2	0	-	-	40		03-12-	136	45	24.3	84	124	76	1	1
139		1	1	1	1	1	5	3	1	3	2	1	0	21-03-	28-12-	38	1	31-12-	152	62	26.8	84	124	68	1	1
140		1	1	1	1	1	6	5	1	2	1	1	0	23-03-	30-12-	36	1	30-12-	154	62	26.1	84	126	84	1	1
144	chronic hypertension	1	1	1	1	4	6	5	1	2	0	0	1	06-04-	11-01-	36	1	08-01-	158	68	27.2	82	140	96	1	1
145	PIH	1	1	1	1	2	6	5	1	1	0	0	0	28-03-	05-01-	37	1	05-01-	156	54	22.1	84	150	110	1	1
152		1	1	1	1	1	5	3	1	4	2	2	1	16-04-	21-01-	39	NA		157	71	28.8	84	110	76	1	1
154	GDM	1	1	1	1	1	5	2	1	3	1	1	1	21-04-	28-01-	39	1	28-01-	156	72	29.5	84	124	68	1	1
155		1	1	1	1	1	5	4	1	1	0	0	0	19-01-		40	1	16-01-	161	56	21.6	84	68	1	1	31
170		1	1	1	1	1	4	3	1	2	1	1	0	15-05-	22-02-	40	1	19-02-	150	63	28	84	124	80	1	1
173	GDM	1	1	1	1	4	7	5	1	2	0	0	1	05-06-	12-03-	37	1	10-03-	164	68	25.2	68	136	94	1	1
179		1	1	1	1	1	4	3	1	2	1	1	0	25-05-	01-03-	40	1	04-03-	154	62	26.1	84	110	84	1	1
184		1	1	1	1	1	4	2	1	2	1	0	0	16-06-	23-03-	39	1	20-03-	161	64	24.6	72	124	70	1	1
188	PIH /GDM	1	1	1	1	1	5	5	1	4	2	2	1	23-06-	30-03-	38	NA		160	76	29.6	84	140	90	1	1
192		1	1	1	1	1	6	5	1	3	1	1	1	15-06-	22-03-	41	na		159	64	25.3	80	110	64	1	1
195		1	1	1	1	2	6	5	1	2	1	1	0	20-07-	27-04-	36	1	27-04-	152	70	30.2	84	110	76	1	1
206	thrombocytopenia	1	1	1	1	1	6	5	1	1	0	0	0	04-07-	11-04-	39	1	11-04-	156	58	23.8	84	110	80	1	1
211		1	1	1	1	1	5	3	1	4	3	2	0	13-07-	20-04-	40	1	20-04-	154	58	24.4	84	110	64	1	1
212		1	1	1	1	2	5	3	1	2	1	1	0	17-07-	24-04-	39	1	30-04-	160	81	31.6	68	124	68	1	1
216	hypertension	1	1	1	1	1	6	5	1	2	1	1	0	20-08-	27-05-	36	1	27-05-	153	67	28.6	84	140	94	1	1
217		1	1	1	1	2	6	5	1	4	1	1	2	19-07-	26-04-	41	1	06-05-	149	68	30.6	80	124	68	1	1
221		1	1	1	1	1	5	3	1	2	1	1	0	20-07-	27-04-	41	NA		156	48	19.7	86	124	72	1	1
223		3	1	1	1	1	4	4	1	3	1	1	1	09-08-	15-05-	39	1	14-05-	156	49	20.1	70	124	60	1	1

ANNEXURE IV - MASTER CHART

Serial Number	Symphysio fundal height (Cms)	Estimated fetal weight (gms)	Eligibility	Randomization	Hb (gm%)		Uterine angle extension	PPH	Post operative IV fluids	Complications	Hospital stay (Days)	Sex	Weight (gms)	Ap sc
					Preoperative	Post operative								1 Min
124	30	2900	1	1	10.8	9.6	2	2	2500		6	2	2400	7
126	32	3100	1	1	10.3	9	2	2	2000		7	2	2900	8
128	30	2900	1	1	12.8	11.5	2	2	2500		4	2	2700	7
132	34	3565	1	1	9.3	6.4	2	2	2000		10	2	3020	6
139	27	2565	1	1	14.3	13	2	2	2000		6	1	2400	6
140	28	2790	1	1	13.6	12.3	2	2	2000		3	1	2600	7
144	34	3565	1	1	13.6	12.4	2	2	1500		3	2	3260	7
145	27	2480	1	1	11.4	10.8	2	2	1500		3	2	2280	7
152	34	3565	1	1	12.8	11.2	2	2	2000		3	2	3200	8
154	42	4805	1	1	12.2	11.1	2	2	2000		8	2	3800	7
155	31	3155	1	1	14.6	12.9	2	2	2000		6	1	3500	8
170	34	3565	1	1	14	13.2	2	2	2000		12	2	3100	7
173	32	3260	1	1	13	11.6	2	2	2000		3	2	3500	7
179	27	2480	1	1	12.9	11.3	2	2	2500		6	2	2500	7
184	28	2635	1	1	13.6	12	2	2	2500		11	2	2600	7
188	37	4000	1	1	12.5	11.2	2	2	2000		6	1	3300	7
192	36	3800	1	1	12.1	11	2	2	2000		9	1	3000	7
195	34	3500	1	1	12.9	11.3	2	2	2500		4	2	3000	7
206	25	2200	1	1	13.8	11.6	2	2	2000		5	2	2600	7
211	34	3500	1	1	10.9	8.4	2	2	2000		6	2	2900	7
212	40	3895	1	1	12.8	10.6	2	2	2000		6	1	3600	7
216	29	2800	1	1	12.8	11	2	2	2000		7	2	2900	7
217	33	3400	1	1	14.1	12.2	2	2	2000		9	2	3000	7
221	33	3410	1	1	13.2	11.1	2	2	2000		9	2	2700	7
223	29	2800	1	1	14.4	12.6	2	2	2500		6	1	2500	7

ANNEXURE IV - MASTER CHART

Serial Number	Neonatal information						Successful extraction
	gar re	Hyperbilirubinemia			Head injury		
	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury	
124	8	2			2		
126	9	2			2		
128	8	2			2		
132	8	2			2		
139	7	2			2		
140	9	2			2		
144	8	2			2		
145	8	1	9.8		2		
152	9	2			2		
154	8	2			2		
155	9	2			2		
170	8	2			2		
173	8	2			2		
179	8	2			2		
184	9	2			2		
188	9	2			2		
192	9	2			2		
195	8	2			2		
206	8	2			2		
211	9	2			2		
212	9	2			2		
216	9	2			2		
217	9	2			2		
221	8	2			2		
223	8	2			2		

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
1	00001	457839	05-02-2012	09-02-2012	06-02-2012	1001	2	26	1	1	1	1	5	1	1	1	1	1	1	1	5	1	3	0	0	2	09-05-2011	16-02-2012	38	1	13-02-2012
2	00002	458552	09-02-2012	18-02-2012	14-02-2012	1002	1	24	1	1	1	1	1	1	1	1	1	1	1	6	5	1	2	1	1	0	18-05-2011	25-02-2012	38	1	23-02-2012
3	00003	470080	27-04-2012	02-05-2012	28-04-2012	1003	2	38	1	1	1	1	1	2	1	1	1	1	1	5	5	1	5	3	3	1	17-08-2011	24-05-2012	36	1	21-05-2012
4	00004	471059	03-05-2012	08-05-2012	04-05-2012	1004	2	19	1	1	1	1	4	1	1	1	1	1	1	4	4	1	1	0	0	0	24-07-2011	01-05-2012	41	1	03-05-2012
5	00005	471473	06-05-2012	10-05-2012	07-05-2012	1005	2	31	1	1	1	1	1	1	1	1	1	1	2	6	5	1	2	1	1	0	11-08-2011	18-05-2012	38	1	11-05-2012
6	00006	471485	06-05-2012	09-05-2012	07-05-2012	1006	2	24	1	1	1	1	1	1	1	1	1	1	1	6	5	1	2	1	0	0	16-08-2011	23-05-2012	38	1	18-05-2012
7	00007	472145	10-05-2012	15-05-2012	10-05-2012	1007	1	28	1	1	1	1	1	1	1	1	1	1	3	4	2	1	2	1	1	0	11-08-2011	18-05-2012	39	1	20-05-2012
8	00008	472129	09-05-2012	12-05-2012	10-05-2012	1008	2	35	1	1	1	1	1	1	1	1	1	1	1	6	5	1	2	1	1	0	17-08-2011	26-05-2012	38	1	26-05-2012
9	00009	471410	05-05-2012	18-05-2012	12-05-2012	1009	1	24	1	1	1	1	5	2	1	1	1	1	2	6	5	1	1	0	0	0	03-09-2011	10-06-2012	36	1	11-06-2012
10	00010	474450	22-05-2012	29-05-2012	23-05-2012	1010	1	25	1	1	1	2	3	1	3	1	1	1	2	6	5	1	2	0	0	1	04-09-2011	11-06-2012	38	1	10-06-2012
11	00011	474602	23-05-2012	31-05-2012	23-05-2012	1011	1	20	1	1	1	1	5	1	1	1	1	1	1	4	3	1	1	0	0	0	30-08-2011	05-06-2012	38	2	6/25/2012
12	00012	474199	21-05-2012	28-05-2012	24-05-2012	1012	2	23	1	1	1	1	4	1	1	1	1	1	1	5	4	1	1	0	0	0	17-08-2011	24-05-2012	40	1	23-05-2012
13	00013	474826	25-05-2012	29-05-2012	25-05-2012	1013	1	24	1	1	1	1	5	1	1	1	1	1	1	7	5	1	1	0	0	0	15-08-2011	22-05-2012	40	1	27-05-2012
14	00014	474755	24-05-2012	30-05-2012	25-05-2012	1014	1	23	1	1	1	2	5	2	2	1	1	1	2	6	5	1	2	0	0	1	26-08-2011	01-06-2012	39	1	02-06-2012
15	00015	474963	25-05-2012	30-05-2012	25-05-2012	1015	1	22	1	1	1	1	5	1	1	1	1	1	3	4	4	1	2	1	1	0	05-08-2011	12-05-2012	42	1	17-05-2012
16	00016	471462	06-05-2012	01-06-2012	26-05-2012	1016	2	25	1	1	1	1	5	2	1	1	1	1	1	5	3	1	2	1	0	0	03-09-2011	10-06-2012	38	1	13-06-2012
17	00017	474964	25-05-2012	02-06-2012	28-05-2012	17	1	27	1	1	1	1	1	1	1	1	1	1	1	5	3	1	3	1	1	1	22-08-2011	29-05-2012	40	1	02-06-2012
18	00018	476163	02-06-2012	08-06-2012	02-06-2012	1018	2	26	1	1	1	2	1	1	1	1	1	1	1	5	3	1	3	2	2	0	27-08-2011	04-06-2012	40	1	07-06-2012
19	00019	475801	30-05-2012	08-06-2012	02-06-2012	1019	1	24	1	1	1	1	1	2	1	1	1	1	1	5	5	1	2	1	1	0	07-09-2011	14-06-2012	38	1	11-06-2012
20	00020	476390	04-06-2012	07-06-2012	04-06-2012	1020	2	24	1	1	1	2	1	1	2	1	1	1	1	5	5	1	2	1	1	0	26-08-2011	03-06-2012	40	1	06-06-2012
21	00021	476715	05-06-2012	12-06-2012	06-06-2012	1021	1	35	1	1	1	1	5	1	1	1	1	1	1	5	4	1	1	0	0	0	09-09-2011	16-06-2012	39	1	17-06-2012
22	00022	476907	06-06-2012	14-06-2012	07-06-2012	1022	2	20	1	1	1	2	3	1	1	1	1	1	1	5	3	1	1	0	0	0	30-08-2011	06-06-2012	40	1	05-06-2012
23	00023	477085	07-06-2012	16-06-2012	08-06-2012	1023	1	20	1	1	1	2	5	2	1	1	1	1	1	5	4	1	1	0	0	0	12-09-2011	19-06-2012	38	1	21-06-2012
24	00024	477338	09-06-2012	14-06-2012	09-06-2012	1024	1	20	1	1	1	2	2	1	2	1	1	1	1	5	5	1	1	0	0	0	26-08-2011	02-06-2012	41	1	02-06-2012
25	00025	476729	05-06-2012	15-06-2012	09-06-2012	1025	1	20	1	1	1	2	2	2	1	1	1	1	1	5	3	1	1	0	0	0	05-09-2011	12-06-2012	38	1	21-06-2012

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury		
1	158	68	27.2	76	130	84	1	1	32	3255	1	1	11.6	10.2	2	2	2000	4	2	2800	8	9	2	-	-	2	-		
2	156	54	22.2	84	110	70	1	1	34	3565	1	1	13.3	10.7	2	2	2000	5	1	3300	7	8	2	-	-	2	-		
3	155	62	25.8	76	126	84	1	1	28	2635	1	1	11.3	8.6	2	2	2500	5	1	2500	8	9	2	-	-	2	-		
4	149	56	25.2	84	126	72	1	1	34	3565	1	1	9.6	6.2	2	2	2000	5	2	3100	8	9	2	-	-	2	-		
5	163	75	28.2	88	116	80	1	1	33	3255	1	1	10.9	9	2	2	1800	4	1	2700	7	9	2	-	-	2	-		
6	156	57	23.4	88	110	70	1	1	28	2635	1	1	10.4	9.8	2	2	2500	3	1	3000	8	9	2	-	-	2	-		
7	147	50	23.1	84	130	90	1	1	34	3565	1	1	11.6	8.4	2	2	2000	6	2	2900	7	8	2	-	-	2	-		
8	156	66	27.1	74	120	88	1	1	34	3565	1	1	10.6	10.4	2	2	2000	3	2	2800	8	9	1	19	+	2	-		
9	162	78	29.7	72	134	80	1	1	28	2635	1	1	11.8	11.4	2	2	2000	7	1	2250	7	9	1	15	+	2	-		
10	148	61	27.8	84	120	70	1	1	31	2945	1	1	13.1	9	1	2	2200	7	1	2600	8	9	2	-	-	2	-		
11	152	44	19.4	86	130	70	1	1	27	2480	1	1	8.6	7.3	1	2	2500	9	1	2850	6	8	1	14	+	2	-		
12	148	56	25.6	80	130	86	1	1	35	3720	1	1	11.8	11	2	2	2000	5	2	3400	7	9	2	-	-	2	-		
13	153	72	30.7	78	110	76	1	1	30	2945	1	1	12.3	10.6	2	2	2000	5	2	3300	6	8	1	16	+	2	-		
14	158	56	22.4	76	132	74	1	1	27	2325	1	1	12.2	10	2	2	1800	6	1	3000	6	8	2	-	-	2	-		
15	140	58	29.5	84	124	80	1	1	34	3565	1	1	9.8	8.3	2	2	2400	6	1	2600	7	9	2	-	-	2	-		
16	145	58	27.5	86	114	68	1	1	28	2635	1	1	13.3	11.8	2	2	2000	7	1	2700	7	9	2	-	-	2	-		
17	154	58	24.4	76	124	76	1	1	34	3565	1	1	10.6	8.8	2	2	2500	6	2	3200	6	8	1	15	-	2	-		
18	149	53	23.8	80	120	70	1	1	28	2635	1	1	11.6	10.1	2	2	2000	7	1	2500	7	8	1	13	-	2	-		
19	155	90	37.4	82	130	90	1	1	30	2945	1	1	11.6	10	2	2	2000	7	1	3000	6	7	2	-	-	2	-		
20	154	58	24.4	84	136	86	1	1	37	4030	1	1	10.3	10.1	2	2	2000	4	1	3100	7	8	2	-	-	2	-		
21	160	84	32.8	80	136	90	1	1	30	2945	1	1	11.6	9.8	2	2	2500	7	2	2000	7	8	1	14	+	2	-		
22	153	57	24.3	84	116	70	1	1	29	2790	1	1	10.3	8.8	2	2	2000	8	1	3500	7	8	1	15	+	2	-		
23	147	46	21.2	80	160	98	1	1	33	3410	1	1	12	10.6	2	2	2500	9	2	2600	8	9	1	13	+	2	-		
24	162	70	26.6	84	126	80	1	1	28	2480	1	1	10.6	6.8	2	2	2000	6	2	2500	8	9	1	13	-	2	-		
25	154	49	20.6	88	120	64	1	1	25	2170	1	1	9.6	9	2	2	2500	7	1	2250	8	9	2	-	-	2	-		

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
26	00026	477516	10-06-2012	18-06-2012	12-06-2012	1026	1	22	1	1	1	2	2	1	3	1	1	1	1	6	5	1	1	0	0	0	04-09-2011	11-06-2012	40	1	27-06-2012
27	00027	477725	12-06-2012	16-06-2012	12-06-2012	1027	1	27	1	1	1	1	1	1	1	1	1	1	1	5	5	1	2	1	1	0	28-08-2011	04-06-2012	41	1	16-06-2012
28	00028	477829	12-06-2012	21-06-2012	12-06-2012	1028	2	28	1	1	1	2	5	1	1	1	1	1	3	1	2	1	4	3	2	0	22-08-2011	29-05-2012	42	NA	-
29	00029	477548	11-06-2012	18-06-2012	13-06-2012	1029	1	26	1	1	1	1	1	1	1	1	1	1	1	5	5	1	3	1	1	1	15-09-2011	22-06-2012	39	1	24-06-2012
30	00030	477686	11-06-2012	18-06-2012	13-06-2012	1030	2	30	1	1	1	2	3	1	2	1	1	1	1	5	5	1	2	0	0	1	08-09-2011	15-06-2012	40	1	22-06-2012
31	00031	477949	13-06-2012	17-06-2012	14-06-2012	1031	2	23	1	1	1	1	5	1	1	1	1	1	1	6	5	1	1	0	0	0	19-09-2011	26-06-2012	38	1	25-06-2012
32	00032	478538	17-06-2012	22-06-2012	17-06-2012	1032	1	24	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	15-09-2011	22-06-2012	39	1	21-06-2012
33	00033	478916	19-06-2012	25-06-2012	20-06-2012	1033	1	27	1	1	1	1	5	1	2	1	1	1	1	5	3	1	3	2	2	0	08-08-2011	15-02-2012	41	2	24-05-2012
34	00034	478201	14-06-2012	28-06-2012	20-06-2012	1034	2	26	1	1	1	1	5	1	1	1	1	1	1	5	3	1	3	2	2	0	25-09-2011	01-07-2012	38	1	06-07-2012
35	00035	479114	20-06-2012	25-06-2012	21-06-2012	1035	1	22	1	1	1	1	1	1	1	1	1	1	1	5	5	1	2	1	10	0	25-09-2011	02-07-2012	38	1	28-06-2012
36	00036	474732	24-06-2012	02-07-2012	24-06-2012	1036	2	33	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	25-09-2011	02-07-2012	39	1	03-07-2012
37	00037	479666	23-06-2012	02-07-2012	25-06-2012	1037	1	23	1	1	1	1	4	1	1	1	1	1	1	5	3	1	1	0	0	0	19-09-2011	26-06-2012	39	1	02-07-2012
38	00038	479685	23-06-2012	28-06-2012	25-06-2012	1038	2	29	1	1	1	1	5	1	1	1	1	1	1	4	5	1	3	2	1	0	03-10-2011	10-07-2012	38	1	08-07-2012
39	00039	479332	21-06-2012	02-07-2012	25-06-2012	1039	2	21	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	28-09-2011	05-07-2012	38	1	05-07-2012
40	00040	480321	27-06-2012	02-06-2012	28-06-2012	1040	2	32	1	1	1	1	5	1	1	1	1	1	1	5	5	1	2	1	0	0	11-10-2011	18-07-2012	37	1	16-07-2012
41	00041	480483	28-06-2012	02-07-2012	29-06-2012	1041	1	25	1	1	1	1	5	1	1	1	1	1	11	6	5	1	2	1	1	0	10-10-2011	17-07-2012	37	1	24-07-2012
42	00042	479909	25-06-2012	05-07-2012	29-06-2012	1060	2	24	1	1	1	1	5	1	1	1	1	1	1	4	4	1	3	2	2	0	15-11-2011	21-08-2012	36	2	19-07-2012
43	00043	490144	26-06-2012	04-07-2012	29-06-2012	1059	2	25	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	29-09-2011	06-07-2012	40	1	07-07-2012
44	00044	480938	02-07-2012	09-07-2012	02-07-2012	1042	2	21	1	1	1	1	1	1	1	1	1	1	1	5	3	1	3	1	1	1	07-10-2011	14-07-2012	38	1	07-07-2012
45	00045	476531	04-06-2012	18-07-2012	13-07-2012	1043	1	27	1	1	1	1	5	1	1	1	1	1	1	5	2	1	2	1	1	0	07-11-2011	14-08-2012	36	1	10-08-2012
46	00046	483874	19-07-2012	24-07-2012	20-07-2012	1044	1	21	1	1	1	1	1	1	1	1	1	1	1	5	5	1	2	1	1	0	06-10-2011	13-07-2012	41	1	26-06-2012
47	00047	483920	20-07-2012	26-07-2012	21-07-2012	1045	1	20	1	1	1	2	5	1	3	1	1	1	1	4	3	1	1	0	0	0	05-10-2011	12-07-2012	40	1	18-07-2012
48	00048	484049	20-07-2012	28-07-2012	22-07-2012	1046	2	34	1	1	1	2	5	2	1	1	1	1	2	6	5	1	1	0	0	0	18-10-2011	25-07-2012	39	1	19-07-2012
49	00049	484375	23-07-2012	28-07-2012	24-07-2012	1047	2	26	1	1	1	1	5	1	1	1	1	1	1	6	5	1	4	0	0	3	01-11-2011	08-08-2012	38	1	08-08-2012
50	00050	484732	25-07-2012	02-08-2012	26-07-2012	1048	1	28	1	1	1	1	5	1	1	1	1	1	2	5	3	1	2	1	1	0	23-10-2011	30-07-2012	39	1	29-07-2012

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury		
26	154	50	21.8	84	120	70	1	1	28	2480	1	1	10.3	8.6	2	2	1500	7	2	1900	7	8	1	9.4	-	2	-		
27	142	71	35.7	84	120	74	1	1	35	3720	1	1	12.5	9.8	2	2	2000	5	1	3400	7	8	2	-	-	2	-		
28	164	58	21.5	76	110	76	1	1	33	3410	1	1	12.6	9.3	2	2	5750	10	1	3400	8	9	2	-	-	2	-		
29	164	58	21.5	92	116	84	1	1	31	3100	1	1	11.5	9.8	1	2	1800	6	2	3160	7	8	2	-	-	2	-		
30	158	62	24.8	84	126	84	1	1	28	2636	1	1	13.8	11	2	2	2000	6	2	2400	7	8	2	-	-	2	-		
31	153	57	24.3	84	124	68	1	1	30	2945	1	1	13.6	10.8	2	2	2400	4	1	3200	8	9	2	-	-	2	-		
32	156	59	24.2	84	110	70	1	1	30	2945	1	1	12.6	11.8	2	2	2000	6	1	2800	7	8	2	-	-	2	-		
33	158	61	24.4	80	110	70	1	1	28	2480	1	1	8.7	7	NA	NA	-	6	1	2250	8	9	2	-	-	2	-		
34	145	43	20.4	80	110	70	1	1	33	3410	1	1	11.6	10.3	2	2	2200	9	2	2650	7	8	2	-	-	2	-		
35	153	54	23	86	124	80	1	1	32	3255	1	1	11.2	9.3	2	2	2500	5	2	2600	7	8	2	-	-	2	-		
36	149	54	24.3	84	110	70	1	1	33	3410	1	1	10.6	9.1	2	2	2500	9	2	3500	8	9	2	-	-	2	-		
37	138	41	21.5	84	130	84	1	1	24	2015	1	1	12.4	11.1	2	2	3000	8	1	2110	7	8	2	-	-	2	-		
38	158	71	28.4	80	110	70	1	1	38	4185	1	1	13.4	11	2	2	2000	4	1	2600	7	8	2	-	-	2	-		
39	152	62	26.8	84	146	94	1	1	32	3255	1	1	11.6	9.2	2	2	2500	8	1	3200	7	8	2	-	-	2	-		
40	163	59	22.2	84	110	70	1	1	29	2790	1	1	13.8	12	2	2	3000	5	1	2800	7	8	2	-	-	2	-		
41	156	61	25	84	120	80	1	1	28	2635	1	1	11	7.2	2	2	2500	4	2	2600	6	7	2	-	-	2	-		
42	156	72	29.5	84	128	90	1	1	26	2355	1	1	12.8	10.6	2	2	2500	6	1	2300	7	8	2	-	-	2	-		
43	154	53	22.3	84	110	74	1	1	30	2945	1	1	13.8	11	2	2	2500	6	2	2800	8	9	2	-	-	2	-		
44	147	65	30	84	120	70	1	1	36	3875	1	1	14.5	12	2	2	2800	8	1	2800	8	9	2	-	-	2	-		
45	152	64	27.7	84	136	84	1	1	34	3200	1	1	10.3	7.4	1	2	2500	6	2	2900	6	7	1	12	+	2	-		
46	156	48	19.7	86	122	80	1	1	31	3000	1	1	12.9	10.6	2	2	2800	5	1	3650	8	9	2	-	-	2	-		
47	160	60	23.4	80	104	64	1	1	31	2975	1	1	13.2	11.6	2	2	2500	6	2	2600	8	9	2	-	-	2	-		
48	163	67	25.2	84	110	72	1	1	34	3200	1	1	15.2	13	1	2	2200	7	2	4200	8	9	2	-	-	2	-		
49	163	74	27.8	92	106	70	1	1	32	3015	1	1	10.7	8.1	2	2	2000	5	2	3460	8	9	2	-	-	2	-		
50	151	46	20.1	88	110	64	1	1	35	3350	1	1	12.2	10.1	2	2	3100	8	2	3200	7	8	2	-	-	2	-		

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
51	00051	485264	28-07-2012	04-08-2012	29-07-2012	1049	2	20	1	1	1	2	3	1	3	1	1	1	1	5	2	1	1	0	0	0	17-11-2011	24-08-2012	36	1	15-08-2012
52	00052	484728	25-07-2012	04-08-2012	30-07-2012	1050	2	29	1	1	1	1	1	1	1	1	1	1	1	5	2	1	3	2	2	0	06-11-2011	13-08-2012	38	1	13-08-2012
53	00053	485614	30-07-2012	04-08-2012	31-07-2012	1051	2	35	1	1	1	1	5	2	1	1	1	1	1	5	5	1	1	0	0	0	11-11-2011	18-08-2012	37	1	12-08-2012
54	00054	484868	26-07-2012	07-08-2012	01-08-2012	1052	1	26	1	1	1	1	5	1	1	1	1	1	1	5	2	1	4	2	1	1	22-11-2011	29-08-2012	36	1	22-08-2012
55	00055	485838	01-08-2012	06-08-2012	01-08-2012	1053	2	24	1	1	1	1	5	2	1	1	1	1	1	5	5	1	2	1	1	0	18-11-2011	25-08-2012	37	1	24-08-2012
56	00056	486172	03-08-2012	07-08-2012	03-08-2012	1054	2	27	1	1	1	1	5	1	1	1	1	1	1	6	5	1	3	2	1	0	04-11-2011	11-08-2012	39	1	08-08-2012
57	00057	486296	03-08-2012	09-08-2012	04-08-2012	1055	2	24	1	1	1	1	1	1	1	1	1	1	2	6	5	1	2	1	1	0	27-10-2011	02-08-2012	40	1	31-07-2012
58	00058	486238	03-08-2012	09-08-2012	04-08-2012	1056	1	21	1	1	1	1	1	1	1	1	1	1	1	5	2	1	3	2	1	0	09-11-2011	16-08-2012	38	1	16-08-2012
59	00059	486446	04-08-2012	10-08-2012	05-08-2012	1057	2	26	1	1	1	2	4	1	1	1	1	1	1	5	3	1	1	0	0	0	20-10-2011	27-07-2012	41	NA	-
60	00060	486665	06-08-2012	10-08-2012	07-08-2012	1058	1	30	1	1	1	1	5	1	1	1	1	1	1	4	5	1	3	2	2	0	20-11-2011	27-08-2012	37	1	24-08-2012
61	00061	486679	06-08-2012	12-08-2012	07-08-2012	1064	1	21	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	24-11-2011	01-08-2012	41	1	01-08-2012
62	00062	487241	09-08-2012	12-08-2012	09-08-2012	1065	2	27	1	1	1	2	2	1	3	1	1	1	1	6	5	1	1	0	0	0	03-11-2011	10-08-2012	40	1	10-08-2012
63	00063	485972	01-08-2012	20-08-2012	11-08-2012	1066	1	22	1	1	1	1	5	1	1	1	1	1	1	5	4	1	2	1	1	0	24-11-2011	31-08-2012	37	1	02-09-2012
64	00064	485328	29-07-2012	17-08-2012	13-08-2012	1067	1	27	1	1	1	1	5	1	1	1	1	1	1	5	2	1	1	0	0	0	20-11-2011	27-08-2012	38	1	30-08-2012
65	00065	487712	13-08-2012	18-08-2012	14-08-2012	1061	2	30	1	1	1	1	5	1	1	1	1	1	1	6	5	1	3	2	2	0	14-12-2011	21-09-2012	36	1	16-09-2012
66	00066	488314	16-08-2012	21-08-2012	16-08-2012	1062	1	27	1	1	1	2	2	1	1	1	1	1	4	7	5	1	1	0	0	0	09-11-2011	16-08-2012	40	1	19-08-2012
67	00067	488374	16-08-2012	22-08-2012	17-08-2012	1068	1	20	1	1	1	1	4	1	1	1	1	1	1	1	2	1	2	1	1	0	18-11-2011	24-08-2012	39	1	18-08-2012
68	00068	488280	16-08-2012	22-08-2012	17-08-2012	1069	2	19	1	1	1	1	5	2	1	1	1	1	1	5	3	1	1	0	0	0	07-11-2011	14-08-2012	41	NA	-
69	00069	488443	17-08-2012	22-08-2012	18-08-2012	1070	2	25	1	1	1	2	1	1	1	1	1	1	1	5	3	1	2	1	1	0	04-11-2011	11-08-2012	41	1	12-08-2012
70	00070	488364	16-08-2012	22-08-2012	18-08-2012	1071	2	23	1	1	1	2	3	1	1	1	1	1	1	6	5	1	2	0	0	1	13-11-2011	20-08-2012	39	1	22-08-2012
71	00071	489132	21-08-2012	28-08-2012	22-08-2012	1063	1	27	1	1	1	1	5	1	1	1	1	1	4	6	5	1	1	0	0	0	22-11-2011	29-08-2012	39	1	31-08-2012
72	00072	490056	27-08-2012	03-09-2012	30-08-2012	1072	2	29	1	1	1	1	5	1	1	1	1	1	1	5	4	1	3	2	2	0	08-12-2011	13-09-2012	38	1	19-09-2012
73	00073	491115	02-09-2012	06-09-2012	02-09-2012	1073	1	23	1	1	1	2	1	1	1	1	1	1	1	5	4	1	3	2	2	0	24-11-2011	01-09-2012	40	1	02-09-2012
74	00074	491153	03-09-2012	06-09-2012	03-09-2012	1074	1	24	1	1	1	2	4	1	1	1	1	1	1	5	3	1	2	1	1	0	26-11-2011	02-09-2012	40	1	02-09-2012
75	00075	441372	03-09-2012	07-09-2012	03-09-2012	1075	2	26	1	1	1	2	5	1	1	1	1	1	4	6	5	1	1	0	0	0	23-11-2011	30-08-2012	41	1	27-08-2012

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury		
51	156	63	25.8	80	122	74	1	1	28	2650	1	1	13.6	11.2	2	2	2600	7	1	2600	6	8	2	-	-	2	-		
52	150	64	26.9	76	132	76	1	1	28	2650	1	1	12.6	10	2	2	2500	6	2	2500	7	9	2	-	-	2	-		
53	156	72	29.5	74	146	98	1	1	36	3430	1	1	15	12.3	2	2	2100	5	2	3700	7	9	1	18	+	2	-		
54	136	47	25.4	82	124	72	1	1	26	2400	1	1	13.6	10.3	2	2	2800	7	1	2300	6	8	1	13	+	2	-		
55	154	60	25.2	84	136	84	1	1	41	3900	1	1	13	10.6	2	2	2500	6	2	3800	6	7	2	-	-	2	-		
56	159	63	39.6	84	126	84	1	1	31	2900	1	1	12.6	11.3	2	2	2400	5	1	2800	7	8	2	-	-	2	-		
57	152	61	26.4	88	126	88	1	1	34	3250	1	1	12.2	9.8	2	2	2400	6	1	3100	6	9	1	9.8	+	2	-		
58	149	59	26.5	72	108	66	1	1	28	2700	1	1	13.2	11.1	2	2	2800	6	1	2600	7	8	2	-	-	2	-		
59	144	56	27	84	110	70	1	1	40	3980	1	1	12.2	9.8	2	2	2000	6	1	3800	6	8	2	-	-	2	-		
60	154	53	22.3	84	110	76	1	1	29	2600	1	1	12.3	11.7	2	2	2800	4	2	2680	6	8	2	-	-	2	-		
61	156	56	23	84	124	62	1	1	37	3600	1	1	12.3	9.1	2	2	2000	6	2	3300	6	7	1	13	+	2	-		
62	156	58	23.8	84	130	68	1	1	34	3500	1	1	12.3	9.8	2	2	2800	4	1	2800	6	9	2	-	-	2	-		
63	157	53	21.5	76	134	96	1	1	33	3255	1	1	9.3	7	2	2	2600	10	2	3250	6	8	2	-	-	2	-		
64	152	61	26.4	88	116	72	1	1	33	3255	1	1	12.6	10.1	2	2	2700	5	2	3000	7	8	1	13	+	2	-		
65	156	63	25.8	84	134	76	1	1	32	2985	1	1	12.6	10	2	2	2800	5	2	2900	7	8	1	11	+	2	-		
66	153	78	33.3	84	120	76	1	1	34	3565	1	1	14.6	12.2	2	2	2100	6	2	2890	6	7	1	15	+	2	-		
67	146	43	20.1	84	106	64	1	1	29	2800	1	1	13.6	12.2	1	2	2400	5	2	2700	6	8	2	-	-	2	-		
68	151	60	26.3	84	116	78	1	1	30	2900	1	1	12.2	10.6	2	2	2800	6	2	2000	7	9	2	-	-	2	-		
69	150	54	24	84	124	80	1	1	36	3500	1	1	12.8	11.2	2	2	2800	5	1	3400	6	8	2	-	-	2	-		
70	152	49	21.2	84	112	64	1	1	31	2800	1	1	9.8	7.4	2	2	3100	5	1	2420	7	9	2	-	-	2	-		
71	159	64	25.3	72	126	84	1	1	28	2700	1	1	13.4	11.2	2	2	2700	7	1	2400	7	8	1	11	+	2	-		
72	164	72	26.7	78	126	84	1	1	34	3300	1	1	10.4	7.2	1	2	2500	5	1	3350	7	8	2	-	-	2	-		
73	150	49	21.7	88	110	68	1	1	30	2780	1	1	10.8	6.2	2	2	2700	5	1	3250	7	8	2	-	-	2	-		
74	143	42	20.5	84	124	80	1	1	31	3000	1	1	14.1	10.2	1	2	2000	4	1	2900	7	8	2	-	-	2	-		
75	156	64	26.2	88	110	84	1	1	29	2800	1	1	13.2	10	2	2	2000	5	2	2550	6	8	2	-	-	2	-		

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
76	-	491117	02-09-2012	11-09-2012	03-09-2012	-	-	22	1	1	1	2	5	1	5	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
77	-	491424	04-09-2012	11-09-2012	04-09-2012	-	-	29	2	1	1	2	5	1	5	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
78	00076	491706	05-09-2012	11-09-2012	05-09-2012	1100	1	24	1	1	1	2	1	1	1	1	1	1	2	6	2	1	2	1	1	0	07-12-2011	12-09-2012	39	1	11-09-2012
79	00077	491531	04-09-2012	12-09-2012	06-09-2012	1081	2	19	1	1	1	2	no	1	1	1	1	1	1	5	2	1	1	0	0	0	18-11-2011	25-08-2012	40	2	02-09-2012
80	00078	491540	04-09-2012	12-09-2012	06-09-2012	1082	1	25	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	30-11-2011	05-09-2012	40	1	08-09-2012
81	00079	491309	03-09-2012	13-09-2012	07-09-2012	1083	1	26	1	1	1	1	5	1	1	1	1	1	1	5	2	1	2	1	2	0	11-12-2011	16-09-2012	39	2	24-10-2012
82	00080	491948	06-09-2012	26-09-2012	10-09-2012	1084	1	28	1	1	1	2	5	2	1	1	1	1	1	5	2	1	1	0	0	0	28-12-2011	04-10-2012	36	1	04-10-2012
83	00081	492588	10-09-2012	15-09-2012	10-09-2012	1098	2	23	1	1	1	2	1	1	1	1	1	1	1	4	4	1	2	1	1	0	16-12-2011	21-09-2012	39	1	24-09-2012
84	00082	492555	10-09-2012	15-09-2012	11-09-2012	1085	1	22	1	1	1	1	5	1	1	1	1	1	1	5	3	1	3	2	2	0	05-12-2011	12-09-2012	40	1	16-09-2012
85	00083	492533	10-09-2012	19-09-2012	11-09-2012	1086	1	23	1	1	1	1	5	1	1	1	1	1	1	5	2	1	3	1	1	1	10-12-2011	19-09-2012	39	1	24-09-2012
86	00084	492480	10-09-2012	18-09-2012	11-09-2012	1099	1	24	1	1	1	2	2	1	3	1	1	1	1	4	2	1	2	1	1	0	24-12-2011	01-10-2012	37	1	01-10-2012
87	-	493483	15-09-2012	22-09-2012	17-09-2012	-	-	26	1	1	1	2	1	1	2	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
88	00085	493472	15-09-2012	21-09-2012	18-09-2012	1077	2	31	1	1	1	1	5	2	1	1	1	1	1	6	5	1	1	0	0	0	23-12-2011	28-09-2012	39	1	28-09-2012
89	00086	493965	19-09-2012	29-09-2012	20-09-2012	1087	1	20	1	1	1	2	5	2	1	1	1	1	1	4	3	1	1	0	0	0	10-12-2011	17-09-2012	40	2	17-10-2012
90	00087	494294	22-09-2012	01-10-2012	22-09-2012	1076	2	19	1	1	1	2	5	1	1	1	1	1	1	6	5	1	1	0	0	0	09-01-2012	16-10-2012	37	1	18-10-2012
91	00088	494778	24-09-2012	29-09-2012	25-09-2012	1078	2	28	1	1	1	1	5	2	1	1	1	1	1	6	5	1	1	0	0	0	11-01-2012	18-10-2012	37	1	21-10-2012
92	00089	494946	25-09-2012	30-09-2012	26-09-2012	1088	1	27	1	1	1	1	1	1	1	1	1	1	1	5	2	1	2	1	1	0	25-11-2011	30-09-2012	39	1	29-09-2012
93	-	494383	27-09-2012	03-10-2012	28-09-2012	-	-	23	2	1	1	1	5	1	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
94	00090	495026	26-09-2012	03-10-2012	28-09-2012	1089	2	22	1	1	1	1	1	1	1	1	1	1	1	6	2	1	2	1	1	0	27-12-2011	04-10-2012	40	1	30-09-2012
95	00091	495061	26-09-2012	04-10-2012	28-09-2012	1097	2	28	1	1	1	2	3	2	1	1	1	1	1	5	2	1	5	3	3	1	10-01-2012	17-10-2012	37	2	28-09-2012
96	00092	496047	02-10-2012	06-10-2012	03-10-2012	1101	1	32	1	1	1	1	1	1	1	1	1	1	4	6	5	1	2	1	1	0	08-01-2012	15-10-2012	38	1	12-10-2012
97	00093	496087	03-10-2012	06-10-2012	03-10-2012	1102	2	30	1	1	1	1	1	1	1	1	1	1	1	5	5	1	2	1	1	0	04-01-2012	11-10-2012	39	1	10-10-2012
98	00094	496359	04-10-2012	10-10-2012	04-10-2012	1090	1	20	1	1	1	1	1	1	1	1	1	1	1	4	4	1	2	1	1	0	02-01-2012	09-10-2012	39	1	09-10-2012
99	00095	496687	06-10-2012	10-10-2012	06-10-2012	1091	1	28	1	1	1	2	5	1	1	1	1	1	1	4	2	1	3	2	2	0	05-01-2012	12-10-2012	39	1	16-10-2012
100	00096	496426	04-10-2012	12-10-2012	06-10-2012	1092	2	27	1	1	1	1	1	1	1	1	1	1	1	4	2	1	3	1	1	0	07-01-2012	14-10-2012	39	NA	-

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury		
76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
78	148	64	29.2	84	110	68	1	1	36	3500	1	1	11.2	9.6	2	2	2000	7	1	3400	7	8	2	-	-	2	-		
79	153	65	27.6	88	110	64	1	1	37	3600	1	1	12.8	9.2	2	2	2400	7	2	3650	7	8	2	-	-	2	-		
80	147	54	24.9	84	128	70	1	1	28	2700	1	1	12.8	10.1	2	2	2500	7	2	2380	6	7	1	11	+	2	-		
81	143	46	22.4	84	124	70	1	1	24	2300	1	1	13.8	11	2	2	2000	7	2	1600	6	7	1	15	+	2	-		
82	148	72	32.8	76	160	100	1	1	34	3300	1	1	9.6	6.3	2	1	2100	17	1	3100	7	8	2	-	-	2	-		
83	152	58	25.1	84	124	80	1	1	28	2700	1	1	10.6	7.8	2	2	1800	6	1	2500	7	8	2	-	-	2	-		
84	162	67	25.5	76	130	76	1	1	38	4030	1	1	12.8	10.6	2	2	2100	5	2	3500	7	8	2	-	-	2	-		
85	154	56	23.6	84	110	60	1	1	29	2790	1	1	13.3	10.8	2	2	2400	9	2	2300	6	7	2	-	-	2	-		
86	141	47	23.6	86	118	74	1	1	27	2480	1	1	11.3	6.8	2	2	2500	7	1	2800	6	8	2	-	-	2	-		
87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
88	156	58	23.8	96	144	92	1	1	35	3720	1	1	11.6	7.2	2	2	2700	4	2	3230	6	8	2	-	-	2	-		
89	146	59	27.6	92	160	110	1	1	26	2455	1	1	12.6	10	2	2	2900	10	2	2100	6	9	1	13	-	2	-		
90	156	54	22.1	84	110	64	1	1	24	2015	1	1	10.3	7.6	2	2	2200	10	1	2140	6	8	1	11	-	2	-		
91	157	60	24.3	96	148	94	1	1	31	2950	1	1	13.2	11.1	2	2	2000	5	2	2970	6	8	2	-	-	2	-		
92	149	56	25.2	92	110	76	1	1	32	3155	1	1	11.3	7	1	2	2500	5	2	2800	6	8	2	-	-	2	-		
93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
94	150	49	21.7	86	104	68	1	1	32	3000	1	1	13.4	11.6	2	2	2400	6	1	3000	7	9	2	-	-	1	incisional cut on scalp 1 cm		
95	150	72	32	80	140	88	1	1	31	3100	1	1	12.2	9.6	2	2	2100	7	1	3025	7	9	2	-	-	2	-		
96	154	68	28.6	96	128	84	1	1	38	4185	1	1	11.7	9	2	1	2800	4	1	3660	7	8	2	-	-	2	-		
97	149	58	26.1	86	120	68	1	1	36	3875	1	1	11.1	7.8	2	2	2500	4	1	3220	7	8	2	-	-	2	-		
98	157	60	24.3	88	124	84	1	1	34	3200	1	1	11.3	8	2	2	2400	7	2	3100	7	8	2	-	-	2	-		
99	160	64	25	96	110	88	1	1	36	3875	1	1	9.5	6.3	2	2	2000	5	2	3200	8	9	2	-	-	2	-		
100	148	52	23.7	76	124	72	1	1	34	3200	1	1	13.7	9.4	2	2	2500	7	2	3000	6	7	2	-	-	2	-		

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
101	00097	497742	12-10-2012	19-10-2012	13-10-2012	1103	1	28	1	1	1	1	5	1	1	1	1	1	4	6	5	1	2	1	0	0	01-02-2012	07-11-2012	37	1	07-11-2012
102	00098	498484	18-10-2012	23-10-2012	18-10-2012	1109	2	29	1	1	1	1	4	1	1	1	1	1	4	6	5	1	1	0	0	0	11-01-2012	18-10-2012	40	NA	-
103	00099	499017	22-10-2012	29-10-2012	22-10-2012	1093	1	20	1	1	1	2	2	1	4	1	1	1	1	5	4	1	1	0	0	0	12-01-2012	19-10-2012	41	1	18-10-2012
104	00100	498411	17-10-2012	31-10-2012	25-10-2012	1094	2	21	1	1	1	1	1	1	1	1	1	1	1	5	2	1	2	1	1	0	17-01-2012	24-10-2012	40	NA	-
105	00101	49146	23-10-2012	30-10-2012	25-10-2012	1095	2	23	1	1	1	1	1	1	1	1	1	1	1	4	2	1	3	1	1	1	15-01-2012	22-10-2012	40	NA	-
106	-	500135	30-10-2012	05-11-2012	01-11-2012	-	-	27	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
107	-	500061	30-10-2012	05-11-2012	01-11-2012	-	-	27	1	1	2	1	5	1	na	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
108	-	499725	27-10-2012	05-11-2012	01-11-2012	-	-	28	1	2	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
109	-	500151	30-10-2012	05-11-2012	02-11-2012	-	-	37	1	1	1	1	5	1	3	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
110	-	500609	06-11-2012	12-11-2012	08-11-2012	-	-	31	1	1	1	1	1	1	3	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
111	-	500633	06-11-2012	12-11-2012	08-11-2012	-	-	33	1	1	1	1	5	1	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	501499	13-11-2012	19-11-2012	14-11-2012	-	-	32	1	1	1	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
113	-	501402	12-11-2012	21-11-2012	15-11-2012	-	-	23	1	1	1	1	5	1	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
114	00102	501408	12-11-2012	27-11-2012	20-11-2012	1096	2	19	1	1	1	1	5	1	1	1	1	1	1	5	2	1	2	1	1	0	04-03-2012	11-12-2012	37	1	11-12-2012
115	00103	502330	19-11-2012	23-11-2012	20-11-2012	1104	1	30	1	1	1	1	5	2	1	1	1	1	1	6	5	1	3	1	1	1	03-03-2012	10-12-2012	37	1	10-12-2012
116	-	502496	20-11-2012	03-12-2012	21-11-2012	-	-	25	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
117	-	500664	18-11-2012	26-11-2012	21-11-2012	-	-	24	1	1	1	1	1	2	3	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
118	00104	502460	20-11-2012	28-11-2012	22-11-2012	1110	1	24	1	1	1	1	5	1	1	1	1	1	1	4	3	1	3	1	1	0	03-03-2012	10-12-2012	37	1	10-12-2012
119	00105	502634	21-11-2012	28-11-2012	22-11-2012	1111	1	22	1	1	1	2	5	2	1	1	1	1	3	3	2	1	3	2	0	0	17-02-2012	24-11-2012	40	1	24-11-2012
120	-	502301	19-11-2012	27-11-2012	22-11-2012	-	-	25	1	1	1	1	5	1	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
121	-	502764	22-11-2012	29-11-2012	24-11-2012	-	-	25	1	1	1	1	5	1	3	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
122	-	502305	19-11-2012	30-11-2012	26-11-2012	-	-	29	1	2	N	1	5	2	N	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
123	00106	53462	27-11-2012	01-12-2012	28-11-2012	1105	1	31	1	1	1	1	5	2	1	1	1	1	1	5	5	1	2	1	1	0	11-03-2012	18-12-2012	37	1	20-12-2012
124	00107	503018	24-11-2012	03-12-2012	28-11-2012	1120	2	27	1	1	1	1	5	1	1	1	1	1	1	5	3	1	4	2	1	1	10-03-2012	17-12-2012	37	1	15-12-2012
125	00108	503540	28-11-2012	02-12-2012	28-11-2012	1112	1	29	1	1	1	2	1	1	1	1	1	1	1	5	3	1	2	1	1	0	17-03-2012	24-12-2012	36	1	24-12-2012

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		System ic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
101	153	52	22.2	96	114	84	1	1	27	2480	1	1	12.5	10.6	2	2	2000	7	2	2350	6	7	2	-	-	2	-
102	160	65	23.8	86	110	74	1	1	30	2955	1	1	13.1	11.4	2	2	2300	6	1	3200	7	9	2	-	-	2	-
103	156	60	24.6	86	122	74	1	1	28	2600	1	1	10.9	8.3	2	2	2400	8	2	2000	8	9	1	14	+	2	-
104	153	56	23.9	72	124	84	1	1	36	3400	1	1	13.3	11.1	2	2	2500	6	1	3460	7	8	2	-	-	2	-
105	153	52	22.2	76	124	82	1	1	31	3000	1	1	11.3	9.2	2	2	2200	6	2	2600	7	8	2	-	-	2	-
106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114	144	38	18.3	88	144	92	1	1	24	2200	1	1	12.3	11.5	2	2	1500	8	1	1915	7	8	2	-	-	2	-
115	152	58	25.1	76	134	88	1	1	34	3200	1	1	11.6	9.4	2	2	2000	4	2	3000	7	8	2	-	-	2	-
116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
118	158	75	30	88	134	76	1	1	29	2800	1	1	11.6	9.3	2	2	2000	6	2	3000	7	8	2	-	-	2	-
119	153	65	27.7	72	144	92	1	1	31	3000	1	1	12	9.3	2	2	2500	7	1	2900	6	9	2	-	-	2	-
120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
123	164	78	29	78	160	100	1	1	29	2700	1	1	13.8	10.6	2	2	2000	4	2	2300	7	8	1	14	+	2	-
124	148	58	26.4	72	124	76	1	1	30	2900	1	1	10.8	9.6	2	2	2500	6	2	2400	7	8	2	-	-	2	-
125	153	56	23.9	84	136	84	1	1	31	2900	1	1	11.3	9.4	2	2	2000	5	1	3000	7	9	2	-	-	2	-

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
126	00109	503652	29-11-2012	05-12-2012	29-11-2012	1113	2	23	1	1	1	2	1	1	1	1	1	1	1	5	3	1	2	1	1	0	16-03-2012	23-12-2012	36	2	05-12-2012
127	-	503759	29-11-2012	08-12-2012	01-12-2012	-	-	25	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
128	00110	503936	30-11-2012	05-12-2012	01-12-2012	1114	2	24	1	1	1	1	5	1	1	1	1	1	1	6	5	1	2	1	0	0	12-03-2012	19-12-2012	37	1	19-12-2012
129	00111	503902	30-11-2012	08-12-2012	01-12-2012	1115	1	26	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	20-02-2012	27-11-2012	41	NA	-
130	00112	504147	02-12-2012	05-12-2012	03-12-2012	1106	1	21	1	1	1	1	5	2	1	1	1	1	1	6	5	1	1	0	0	0	18-03-2012	23-12-2012	37	1	23-12-2012
131	-	503041	24-11-2012	30-11-2012	03-12-2012	-	-	30	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
132	00113	504336	04-12-2012	13-12-2013	04-12-2012	1118	2	22	1	1	1	2	5	1	1	1	1	1	1	5	3	1	3	2	2	0	-	-	40	-	03-12-2012
133	00114	504447	04-12-2012	12-12-2012	04-12-2012	1117	1	24	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	04-03-2012	11-12-2012	39	1	11-12-2012
134	00115	504428	04-12-2012	11-12-2012	04-12-2012	1116	1	27	1	1	1	2	1	1	1	1	1	1	1	5	3	1	2	1	1	0	05-03-2012	12-12-2012	39	NA	-
135	-	504275	03-12-2012	14-12-2012	06-12-2012	-	-	29	1	2	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
136	00116	505000	08-12-2012	14-12-2012	08-12-2012	1122	1	32	1	1	1	2	2	1	1	1	1	1	1	5	3	1	1	0	0	0	23-02-2012	01-12-2012	41	1	30-11-2012
137	-	504872	07-12-2012	15-12-2012	10-12-2012	-	-	27	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
138	-	504730	06-12-2012	19-12-2012	12-12-2012	-	-	19	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
139	00117	505776	13-12-2012	20-12-2012	15-12-2012	1121	2	24	1	1	1	1	5	1	1	1	1	1	1	5	3	1	3	2	1	0	21-03-2012	28-12-2012	38	1	31-12-2012
140	00118	506019	15-12-2012	17-12-2012	15-12-2012	1107	2	26	1	1	1	2	1	1	1	1	1	1	1	6	5	1	2	1	1	0	23-03-2012	30-12-2012	1	1	30-12-2012
141	00119	506052	15-12-2012	20-12-2012	15-12-2012	1123	1	36	1	1	1	2	5	1	1	1	1	1	1	5	3	1	3	2	1	0	05-03-2012	12-12-2012	40	1	15-12-2012
142	-	505662	12-12-2012	21-12-2012	15-12-2012	-	-	20	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
143	-	505804	13-12-2012	21-12-2012	16-12-2012	-	-	24	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
144	00120	506203	16-12-2012	19-12-2012	17-12-2012	1140	2	40	1	1	1	1	5	2	1	1	1	1	4	6	5	1	2	0	0	1	06-04-2012	11-01-2013	36	1	08-01-2013
145	00121	506182	16-12-2012	19-12-2012	17-12-2012	1139	2	27	1	1	1	1	5	2	1	1	1	1	2	6	5	1	1	0	0	0	28-03-2012	05-01-2013	37	1	05-01-2013
146	-	506333	17-12-2012	25-12-2012	19-12-2012	-	-	35	1	2	N	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
147	00122	507339	24-12-2012	30-12-2012	24-12-2012	1108	1	32	1	1	1	1	5	1	1	1	11	1	1	5	5	1	2	1	1	0	02-04-2012	09-01-2013	38	NA	-
148	-	505239	10-12-2012	02-01-2013	27-12-2012	-	-	22	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
149	-	508797	02-01-2013	12-01-2013	07-01-2013	-	-	22	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
150	-	510419	11-01-2013	19-01-2013	12-01-2013	-	-	20	1	1	1	1	5	2	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information									
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury		
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
126	153	58	24.7	82	130	70	1	1	32	3100	1	1	10.3	9	2	2	2000	7	2	2900	8	9	2	-	-	2	-
127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
128	154	56	23.6	72	120	84	1	1	30	2900	1	1	12.8	11.5	2	2	2500	4	2	2700	7	8	2	-	-	2	-
129	144	48	23.1	92	110	62	1	1	31	3000	1	1	11.4	9.8	2	2	2000	8	2	2600	7	8	2	-	-	2	-
130	154	62	26.1	72	148	96	1	1	33	3410	1	1	11.6	9.3	2	2	1500	3	2	2900	8	9	2	-	-	2	-
131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132	136	45	24.3	84	124	76	1	1	34	3565	1	1	9.3	6.4	2	2	2000	10	2	3020	6	8	2	-	-	2	-
133	145	56	26.6	86	124	82	1	1	29	2790	1	1	12.4	10.6	1	2	2000	9	1	2540	7	8	1	16	+	2	-
134	154	60	25.2	84	120	82	1	1	32	3100	1	1	12.8	10.6	1	2	2000	8	1	2500	6	7	2	-	-	2	-
135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
136	148	56	25.5	92	116	84	1	1	37	3500	1	1	14	11.3	2	2	2000	5	1	3200	6	8	1	14	+	2	-
137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
139	152	62	26.8	84	124	68	1	1	27	2565	1	1	14.3	13	2	2	2000	6	1	2400	6	7	2	-	-	2	-
140	154	62	26.1	84	126	84	1	1	28	2790	1	1	13.6	12.3	2	2	2000	3	1	2600	7	9	2	-	-	2	-
141	156	68	27.9	84	140	92	1	1	34	3200	1	1	13.2	10.1	1	2	2500	6	2	3200	6	7	1	14	+	2	-
142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144	158	68	27.2	82	140	96	1	1	34	3565	1	1	13.6	12.4	2	2	1500	3	2	3260	7	8	2	-	-	2	-
145	156	54	22.1	84	150	110	1	1	27	2480	1	1	11.4	10.8	2	2	1500	3	2	2280	7	8	1	9.8	-	2	-
146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147	156	70	28.7	76	124	92	1	1	39	4340	1	1	8.8	8.1	2	2	2500	7	2	4500	7	9	1	11	-	2	-
148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
151	00123	510595	12-01-2013	17-01-2013	14-01-2013	1137	1	23	1	1	1	1	5	1	1	1	1	1	1	5	5	1	1	0	0	0	29-04-2012	03-02-2013	37	NA	-
152	00124	510704	13-01-2013	17-01-2013	14-01-2013	1138	2	29	1	1	1	1	5	1	1	1	1	1	1	5	3	1	4	2	2	1	16-04-2012	21-01-2013	39	NA	-
153	-	511730	19-01-2013	24-01-2013	20-01-2013	-	-	20	1	1	1	1	5	1	2	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
154	00125	511361	17-01-2013	28-01-2013	21-01-2013	1119	2	25	1	1	1	1	1	2	1	1	1	1	1	5	2	1	3	1	1	1	21-04-2012	28-01-2013	39	1	28-01-2012
155	00126	512175	22-01-2013	28-01-2013	23-01-2013	1124	2	21	1	1	1	2	4	1	1	1	1	1	1	5	4	1	1	0	0	01	19-01-2013	40	1	1	16-01-2013
156	-	511390	17-01-2013	30-01-2013	23-01-2013	-	-	23	1	1	2	1	5	1	N	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
157	-	511683	19-01-2013	30-01-2013	24-01-2013	-	-	23	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
158	-	509058	04-01-2013	04-02-2013	27-01-2013	-	-	32	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
159	-	512459	23-01-2013	04-02-2013	29-01-2013	-	-	25	1	1	1	1	1	1	3	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	513166	28-01-2013	04-02-2013	29-01-2013	-	-	29	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
161	-	511670	19-01-2013	08-02-2013	30-01-2013	-	-	20	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
162	-	513472	30-01-2013	06-02-2013	31-01-2013	-	-	22	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
163	-	513238	29-01-2013	09-02-2013	02-02-2013	-	-	24	1	1	1	1	5	2	2	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
164	-	512904	27-01-2013	09-02-2013	04-02-2013	-	-	22	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
165	-	514249	04-02-2013	10-02-2013	05-02-2013	-	-	22	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
166	-	513950	02-02-2013	13-02-2013	08-02-2013	-	-	26	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
167	-	515219	09-02-2013	15-02-2013	10-02-2013	-	-	25	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	514193	04-02-2013	19-02-2013	12-02-2013	-	-	22	1	1	1	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
169	-	515831	13-02-2013	21-02-2013	16-02-2013	-	-	26	1	1	1	1	1	1	2	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
170	00127	515887	13-02-2013	01-03-2013	18-02-2013	1125	2	26	1	1	1	1	1	1	1	1	1	1	1	4	3	1	2	1	1	0	15-05-2012	22-02-2013	40	1	19-02-2013
171	00128	512888	27-01-2013	26-02-2013	18-02-2013	1126	1	26	1	1	1	1	5	2	1	1	1	1	2	5	3	1	3	1	1	1	04-06-2012	11-03-2013	36	2	02-03-203
172	-	516648	18-02-2013	25-02-2013	19-02-2013	-	-	27	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
173	00129	516913	20-02-2013	23-02-2013	20-02-2013	1136	2	26	1	1	1	1	4	2	1	1	1	1	4	7	5	1	2	0	0	1	05-06-2012	12-03-2013	37	1	10-03-2013
174	00130	516878	19-02-2013	23-02-2013	20-02-2013	1135	1	26	1	1	1	1	5	2	1	1	1	1	1	6	5	1	1	0	0	0	17-05-2012	24-02-2013	39	1	24-02-2013
175	-	517126	21-02-2013	27-02-2013	21-02-2013	-	-	20	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information									
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury		
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
151	160	68	26.5	64	130	80	1	1	32	3250	1	1	13.6	12.1	2	2	2500	4	1	2040	8	9	2	-	-	2	-
152	157	71	28.8	84	110	76	1	1	34	3565	1	1	12.8	11.2	2	2	2000	3	2	3200	8	9	2	-	-	2	-
153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154	156	72	29.5	84	124	68	1	1	42	4805	1	1	12.2	11.1	2	2	2000	8	2	3800	7	8	2	-	-	2	-
155	161	56	21.6	84	68	1	1	31	31	3155	1	1	14.6	12.9	2	2	2000	6	1	3500	8	9	2	-	-	2	-
156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170	150	63	28	84	124	80	1	1	34	3565	1	1	14	13.2	2	2	2000	12	2	3100	7	8	2	-	-	2	-
171	157	70	28.3	84	124	68	1	1	32	3255	1	1	12.3	9.8	2	2	2000	7	1	2500	6	8	1	18	+	2	-
172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
173	164	68	25.2	68	136	94	1	1	32	3260	1	1	13	11.6	2	2	2000	3	2	3500	7	8	2	-	-	2	-
174	160	58	22.6	90	104	68	1	1	31	3155	1	1	14.2	13.5	2	2	2000	4	1	3000	7	9	2	-	-	2	-
175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
176	-	516203	15-02-2013	28-02-2013	22-02-2013	-	-	25	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
177	-	517195	21-02-2013	28-02-2013	23-02-2013	-	-	30	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
178	-	517771	25-02-2013	08-03-2013	28-02-2013	-	-	28	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
179	00131	518599	02-03-2013	08-03-2013	02-03-2013	1128	2	23	1	1	1	2	1	1	1	1	1	1	1	4	3	1	2	1	1	0	25-05-2012	01-03-2013	40	1	04-03-2013
180	-	519908	02-03-2013	11-03-2013	05-03-2013	-	-	33	1	1	1	1	5	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-
181	-	520636	15-03-2013	30-03-2013	15-03-2013	-	-	24	1	1	1	2	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
182	-	520586	14-03-2013	22-03-2013	15-03-2013	-	-	22	1	1	1	2	4	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
183	-	519668	09-03-2013	22-03-2013	15-03-2013	-	-	22	1	2	N	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
184	00132	520574	14-03-2013	25-03-2013	15-03-2013	1129	2	21	1	1	1	2	1	1	1	1	1	1	1	4	2	1	2	1	0	0	16-06-2012	23-03-2013	39	1	20-03-2013
185	-	520678	15-03-2013	22-03-2013	16-03-2013	-	-	27	1	1	1	2	5	1	5	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
186	-	519096	05-03-2013	23-03-2013	16-03-2013	-	-	24	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
187	-	521668	16-03-2013	24-03-2013	18-03-2013	-	-	42	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
188	00133	521205	18-03-2013	25-03-2013	19-03-2013	1127	2	29	1	1	1	1	5	1	1	1	1	1	1	5	5	1	4	2	2	1	23-06-2012	30-03-2013	38	NA	-
189	-	521252	18-03-2013	30-03-2013	19-03-2013	-	-	22	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
190	-	521475	19-03-2013	29-03-2013	23-03-2013	-	-	23	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
191	-	522488	25-03-2013	04-04-2013	26-03-2013	-	-	23	1	1	1	2	1	1	5	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
192	00134	522596	26-03-2013	05-04-2013	28-03-2013	1130	2	25	1	1	1	1	1	1	1	1	1	1	1	6	5	1	3	1	1	1	15-06-2012	22-03-2013	41	na	-
193	-	523287	30-03-2013	04-04-2013	30-03-2013	-	-	23	1	1	1	2	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
194	-	521919	22-03-2013	06-04-2013	30-03-2013	-	-	21	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
195	00135	523111	29-03-2013	02-04-2013	30-03-2013	1079	2	26	1	1	1	1	5	1	1	1	1	1	2	6	5	1	2	1	1	0	20-07-2012	27-04-2013	36	1	27-04-2013
196	-	523073	29-03-2013	08-04-2013	01-04-2013	-	-	24	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
197	-	523550	01-04-2013	08-04-2013	01-04-2013	-	-	25	1	1	1	2	5	1	2	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
198	-	523848	02-04-2013	17-04-2013	02-04-2013	-	-	23	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
199	00136	523602	01-04-2013	08-04-2013	03-04-2013	1080	1	23	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	03-07-2012	10-04-2013	39	1	10-04-2013
200	-	523842	02-04-2013	08-04-2013	03-04-2013	-	-	24	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information									
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury		
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
179	154	62	26.1	84	110	84	1	1	27	2480	1	1	12.9	11.3	2	2	2500	6	2	2500	7	8	2	-	-	2	-
180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
184	161	64	24.6	72	124	70	1	1	28	2635	1	1	13.6	12	2	2	2500	11	2	2600	7	9	2	-	-	2	-
185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
188	160	76	29.6	84	140	90	1	1	37	4000	1	1	12.5	11.2	2	2	2000	6	1	3300	7	9	2	-	-	2	-
189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
192	159	64	25.3	80	110	64	1	1	36	3800	1	1	12.1	11	2	2	2000	9	1	3000	7	9	2	-	-	2	-
193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
195	152	70	30.2	84	110	76	1	1	34	3500	1	1	12.9	11.3	2	2	2500	4	2	3000	7	8	2	-	-	2	-
196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
199	158	64	25.6	84	110	74	1	1	31	2900	1	1	13.2	10.2	2	2	2500	6	1	2700	7	8	2	-	-	2	-
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
201	-	523652	01-04-2012	09-04-2013	04-04-2013	-	-	21	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
202	-	523521	01-04-2013	09-04-2013	04-04-2013	-	-	28	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
203	-	523626	01-04-2013	09-04-2013	04-04-2013	-	-	21	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
204	-	522700	27-03-2013	08-04-2013	04-04-2013	-	-	26	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
205	-	524168	03-04-2013	04-04-2013	12-04-2013	-	-	36	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
206	00137	524566	05-04-2013	10-04-2013	06-04-2013	1134	2	33	1	1	1	1	5	2	1	1	1	1	1	6	5	1	1	0	0	0	04-07-2012	11-04-2013	39	1	11-04-2013
207	-	523893	02-04-2013	16-04-2013	09-04-2013	-	-	23	1	2	1	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
208	-	523909	02-04-2013	17-04-2013	18-04-2013	-	-	24	1	2	N	1	5	2	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
209	00138	526696	18-04-2013	29-04-2013	19-04-2013	1133	1	28	1	1	1	1	1	2	1	1	1	1	2	5	5	1	2	1	1	0	27-07-2012	03-05-2013	38	1	04-05-2013
210	00139	526688	18-04-2013	23-04-2013	19-04-2013	1131	1	29	1	1	1	1	1	2	1	1	1	1	1	5	3	1	2	1	1	0	26-07-2012	02-05-2013	38	1	30-04-2013
211	00140	526817	19-04-2013	25-04-2013	20-04-2013	1141	2	25	1	1	1	1	5	1	1	1	1	1	1	5	3	1	4	3	2	0	13-07-2012	20-04-2013	40	1	20-04-2013
212	00141	525516	12-04-2013	27-04-2013	22-04-2013	1132	2	22	1	1	1	1	1	1	1	1	1	1	2	5	3	1	2	1	1	0	17-07-2012	24-04-2013	39	1	30-04-2013
213	-	527451	23-04-2013	02-05-2013	24-04-2013	-	-	23	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
214	-	527238	22-04-2013	02-05-2013	26-04-2013	-	-	25	1	1	1	1	5	2	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
215	-	524907	08-04-2013	04-05-2013	29-04-2013	-	-	25	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-
216	00142	527725	25-04-2013	06-05-2013	30-04-2013	1142	2	30	1	1	1	1	1	2	1	1	1	1	1	6	5	1	2	1	1	0	20-08-2012	27-05-2013	36	1	27-05-2013
217	00143	527379	02-05-2013	11-05-2013	02-05-2013	1144	2	36	1	1	1	1	1	1	1	1	1	1	2	6	5	1	4	1	1	2	19-07-2012	26-04-2013	41	1	06-05-2013
218	-	527447	23-04-2013	06-05-2013	30-04-2013	-	-	20	1	2	N	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
219	00143	528698	23-04-2013	06-05-2013	30-04-2013	1143	1	21	1	1	1	1	5	2	1	1	1	1	1	5	3	1	2	1	1	0	09-08-2012	16-05-2013	38	NA	-
220	-	528656	02-05-2013	10-05-2013	03-05-2013	-	-	28	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
221	00145	528951	03-05-2013	13-05-2013	04-05-2013	1145	2	22	1	1	1	1	1	1	1	1	1	1	1	5	3	1	2	1	1	0	20-07-2012	27-04-2013	41	NA	-
222	00146	529107	05-05-2013	13-05-2013	05-05-2013	1146	1	23	1	1	1	2	3	2	3	1	1	1	1	5	2	1	1	0	0	0	30-07-2012	05-05-2013	40	1	03-05-2013
223	00147	529362	06-05-2013	12-05-2013	07-05-2013	1147	2	24	1	1	1	1	5	1	3	1	1	1	1	4	4	1	3	1	1	1	09-08-2012	15-05-2013	39	1	14-05-2013
224	-	528429	30-04-2013	14-05-2013	07-05-2013	-	-	23	1	1	2	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-
225	00148	529704	05-05-2013	14-05-2013	09-05-2013	1148	1	28	1	1	1	1	1	1	1	1	1	1	1	5	2	1	2	1	1	0	31-07-2012	06-05-2013	40	NA	-

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information									
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury		
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
206	156	58	23.8	84	110	80	1	1	25	2200	1	1	13.8	11.6	2	2	2000	5	2	2600	7	8	2	-	-	2	-
207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
209	157	71	28.8	84	150	100	1	1	38	3675	1	1	10.7	7.3	2	2	2000	11	2	3200	6	8	2	-	-	2	-
210	156	62	25.4	84	110	80	1	1	30	2895	1	1	13.2	10.6	1	2	3500	6	1	2600	6	8	2	-	-	2	-
211	154	58	24.4	84	110	64	1	1	34	3500	1	1	10.9	8.4	2	2	2000	6	2	2900	7	9	2	-	-	2	-
212	160	81	31.6	68	124	68	1	1	40	3895	1	1	12.8	10.6	2	2	2000	6	1	3600	7	9	2	-	-	2	-
213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216	153	67	28.6	84	140	94	1	1	29	2800	1	1	12.8	11	2	2	2000	7	2	2900	7	9	2	-	-	2	-
217	149	68	30.6	80	124	68	1	1	33	3400	1	1	14.1	12.2	2	2	2000	9	2	3000	7	9	2	-	-	2	-
218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
219	146	52	24.3	84	160	94	1	1	29	2790	1	1	12.8	10.1	2	2	2500	7	1	2300	7	8	2	-	-	2	-
220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
221	156	48	19.7	86	124	72	1	1	33	3410	1	1	13.2	11.1	2	2	2000	9	2	2700	7	8	2	-	-	2	-
222	156	70	28.7	84	124	86	1	1	36	3875	1	1	13.1	9.4	1	2	2000	8	1	2900	7	8	2	-	-	2	-
223	156	49	20.1	70	124	60	1	1	29	2800	1	1	14.4	12.6	2	2	2500	6	1	2500	7	8	2	-	-	2	-
224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
225	148	56	25.5	84	124	80	1	1	34	3565	1	1	12.4	10	2	2	2000	5	1	3000	8	9	2	-	-	2	-

ANNEXURE IV - MASTER CHART

									Screening										Demographic and obstetric history												
												ES		MMC																		
Screening ID number	Enrolment number	In patient number	Date of admission	Date discharge	Date of operation	Snoose Number	Group	Age (Years)	Gestation ≥ 36 weeks	Singleton pregnancy	Cephalic presentation	Response	Indication	Response	Station of head	Willing to Consent	Consent obtained	Eligibility	Occupation	Education	Socio economic status	Previous cycles	Gravida	Para	Living	Abortion	LMP	EDD	Estimated POG (weeks)	Corresponding scan POG	USG EDD
226	-	528736	02-05-2013	20-05-2013	10-05-2013	-	-	21	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
227	-	530468	14-05-2013	25-05-2013	14-05-2013	-	-	35	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
228	00149	530581	14-05-2013	19-05-2013	14-05-2013	1149	1	25	1	1	1	2	1	1	1	1	1	1	1	6	3	1	2	1	1	0	05-08-2012	12-05-2013	42	NA	-
229	-	530842	15-05-2013	03-06-2013	16-05-2013	-	-	24	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
230	-	529917	10-05-2013	23-05-2013	16-05-2013	-	-	39	2	2	N	1	5	1	N	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
231	-	530876	16-05-2013	26-05-2013	16-05-2013	-	-	20	1	1	1	1	5	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
232	00150	534027	03-06-2013	13-06-2013	05-06-2013	1150	1	25	1	1	1	1	5	1	1	1	1	1	4	6	5	1	3	1	0	1	22-09-2012	29-06-2013	37	1	29-06-2013

ANNEXURE IV - MASTER CHART

Screening ID number	Examination										Eligibility	Randomization	Hb (gm%)		Uterine angle extension				Neonatal information										
					Blood pressure		Systemic														Apgar score		Hyperbilirubinemia			Head injury			
	Height (Cms)	Weight (Kgs)	BMI (Kg/m2)	Pulse rate (bpm)	Systolic (mm Hg)	Diastolic (mm Hg)	Cardiovascular	Respiratory	Symphysio fundal height (Cms)	Estimated fetal weight (gms)			Preoperative	Post operative		PPH	Post operative IV fluids	Hospital stay (Days)	Sex	Weight (gms)	1 Min	5 Min	Complication	T Bilirubin	Phototherapy	Response	Injury
226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
228	154	62	26.1	88	110	90	1	1	27	2480	1	1	12.1	9.6	2	2	2500	6	2	2300	7	8	2	-	-	1	scalpel injury
229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
232	158	60	24	80	98	64	1	1	32	3255	1	1	13.2	10.8	2	2	2000	9	2	2750	7	9	2	-	-	2	-

Annexures

Annexure IV

ANNEXURE IV – KEY TO MASTER CHART