Introduction:
A multiple birth occurs when more than one foetus is carried out to term in single pregnancy. Different names for multiple births are used, depending on the number of offspring. Common multiples are twins & triplets. Multiple birth siblings are either monozygotic or dizygotic. The former results from a single fertilized egg or zygote splitting into two or more embryos, each carrying the same genetic material. Siblings created from one egg are commonly called identical. Since identical multiples share the same genetic material, they are almost always same sex. In rare cases, however, a fertilized egg will have an extra gender typing chromosome. These fertilized eggs or zygotes can be XXX, XXY or XYY. When a zygote with XXY splits it will end with one XX and one XY twin who are genetically identical in every way but sex. Dizygotic instead result from multiple ova being ripened and released in same menstrual cycle by a woman’s ovaries, which are then fertilized to grow into multiples no more genetically alike than ordinary full siblings. Multiples called polyzygotic represent some combination of dizygotic & identical siblings. For example: A set of triplets may be composed of identical twin from one egg & a third sibling from second egg. According to Hellens law multiple births naturally at approximately the rate of twins: 1/89 (about 1.1%) of singleton birth. Triplets: 1/89² = 1/7921 (about 0.013%) of singleton birth. But a traditional approximation of the incidence of multiple pregnancies is as follows twin 1:80, triplets 1:6400. The incidence of triplet pregnancies has risen steadily primarily because of the development of assisted reproductive technology (ART). Although the number of spontaneously conceived triplets increased slightly in the past 30 years, this only account for about 10% of the increase in multiple birth. The rate of triplets increased from 29/1,00,000 live birth in 1971 to 174/1,00,000 live birth in 1997. The rise in multiple pregnancies has led to the concomitant increase in low birth weight infant born at younger gestational age. Some studies postulate that at least 5% of all triplets pregnancies are jeopardized by life threatening fetal complication in at least one of the foetuses.

Case report:
A 25 years old woman having para 1, 2nd gravida with previous Caesarean Section
operation and delivered a still born baby (due to APH) was admitted in DMCH with 33 weeks pregnancy with back pain for 5 days. She was not in a regular antenatal check up (ANC) but completed immunization against tetanus. She was a regularly menstruating woman. She noticed undue enlargement of abdomen in her last trimester. For thy last 5 days of her admission she developed low back pain radiating to both thighs. She also felt excessive fetal movement. That is why she was admitted into DMCH. She gave the history of triplets pregnancy in her family. On examination, her BP was 100/70 mmHg, and having moderate anaemia, bilateral leg oedema. Her SFH was 36 weeks size, foetal heart sound is heard at multiple sites. Excessive foetal parts were palpable, polyhydramnios was present. Patient was not in labour. Other systems revealed no abnormality. Ultrasonoram was done which shows triplet live pregnancy of about 33-34 weeks duration. According to biparietal diameter (BPD), 1st and 2nd baby correspond to 34 weeks size and 3rd baby 32 weeks 5 days size. For lung maturation of foetuses prophylactic steroid was given to the mother. The patient was follow uped carefully for next two weeks with complete bed rest. The period was uneventful. There was no scar tenderness. Elective Caesarean Section was done and 3 alive babies (two male & one female) were delivered with 10/10 Apgar score. Babies were in separate amniotic cavity but 3 placetas were fused in margin resembling single placenta with 3 centrally placed umbilical cords. The weight of the babies were 2.1 kg, 2kg, 1.9kg respectively. After proper haemostasis, uterus and abdomen were closed in layers. The post operative period of this patient was uneventful. Postnatally 2 of the babies were normal but 3rd one developed mild jaundice and was admitted into SCABU for better management. After 7 days of hospital stay, the patient was discharged with three healthy kids.

**Discussion:**
This is a case of triplet pregnancy, which is spontaneous, not due to ovulation induction at 33 weeks of pregnancy. High order of multiple births (3 or more offspring in one birth) may result in a combination of fraternal and identical siblings. Spontaneous triplets derive from one two or three ova In the simplest case each ovum in fertilized separately, giving rise to three zygotes the trichorionic triplet, one of the zygote should have undergone splitting which leads to either a dichorionic or a monochorionic set of twin. Dizygotic triplet thus may comprise either trichorionic triplet or a set of monochorionic twin plus a singleton. The monochorionic set, however may be either diamniotic or monoamniotic. Finally monozygotic triplet presumably result from splitting of a single zygote into two monozygotic cell masses of which one undergoes a subsequent secondary division. Also it might be that both monozygotic cell masses undergo a secondary division into monozygotic quadruplet and the monozygotic triplet set is a result of resorption of one of the quadruplet.

The figure shows —

Monozygotic triplet: (a) Secondary division of one of the cell mass which resulted from splitting of a single zygotic, (b) Secondary division of both cell masses but one of the resultant quadruplet undergo resorption.

Chorionicity & zygotic in a population based on series of 31 naturally conceived triplet set-

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<th>Monozygotic</th>
<th>Dizygotic</th>
<th>Trichorionic</th>
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**MZ = Monozygotic**
**DZ = Dizygotic**
**TZ = Trizygotic**
Our triplet pregnancy may be anyone of two categories. But question is sex differentiation. Chorionicity of this pregnancy was not determined. Depending on chorionicity growth discordance may occur. Here in this case placental fusion was there. A large placenta seems to be single one due to fusion of margins of 3 placentae with centrally placed 3 umbilical cords. But they were in 3 separate sacs. It would appear that total placental fusion may predispose one triplet to restriction. Growth discordance > 20% is important. In dichorionic triamniotic growth discordance is 31% but after birth of these babies no visible growth discordance was present. It is an unusual. Multiple gestation pregnancies with more than two foetuses are at a large risk of foetal and maternal complications that may threaten the survival of the mother or of one or more foetuses. Though our patient had a history of Caesarean Section operation, even with the triplets, she had no multiple pregnancy related complications and no scar tenderness. Multiple pregnancies in human are invariably born prior to 38 weeks of gestation. 36 weeks is average for a twin birth, and 32 weeks for triplets. But our case overrun the average weeks of born. Babies born from multiple birth pregnancies are more likely to result in premature birth than those from single pregnancies. 51% of twins and 91% of triplets are born preterm, compared to 9.5% in single tones our babies were premature also. Such preterm birth tends to have a lower birth weight and these babies were born with the birth weight that is of 2.1kg, 2kg, 1.9kg respectively. All the babies were referred to SCABU for their prematurity. Among them two were normal but third one was a little bit icteric and reluctant to feed.

**Conclusion:**

Triplet pregnancy demonstrates good survival rate with very low associated morbidity. Naturally conceived triplet sets contain significant number of monozygotic triplets. Evidence of tri and dizygotic triplets is rare. But still it is happening with successful live birth. Triplets will have been reduced to twins or a single foetus by medical intervention, referred to as multifetal pregnancy reduction, early in the pregnancy. The outcome of which will be comparatively better.

**References:**

2. Bush M, Pernoll ML. Multiple Pregnancy. 2006;
11. Triplet pregnancies and their consequence. Edited by Keith HG and Stein IB.