Case Report:

**‘Changes in the Placenta of a Hypertensive and Diabetic Mother’**

**1DR. SUDESHNA MAJUMDAR , 2DR. SHARMISTHA BISWAS , 3DR. SKEIKH ALI AMAM , 4DR. HASI DASGUPTA , 5DR. ABHIJIT BHAKTA , 6DR. CHIRANJIB BAPULI, 7DR. JAYEETA BURMAN**

**1**Professor, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

2 Associate Professor, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

3Associate Professor, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

4Professor and Head, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

5Associate Professor, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

6Demonstrator, Department of Anatomy,Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

7 Demonstrator, Department of Anatomy, Nilratan Sircar Medical College, Kolkata – 700014, West Bengal, India.

C**orresponding author: Dr. Sudeshna Majumdar** ; **E -mail :**sudeshnamajumdar.2007 @ rediffmail.com

**ABSTRACT:**

After delivery if the placenta is examined minutely, it provides much insight into the prenatal health of the baby and the mother. Placenta is the bridge between the mother and the foetus, formed from fetal membranes and endometrium. When Pregnancy is complicated by diabetes and or hypertension, both the maternal and foetal health is affected, along with structural and functional changes in the placenta of the mother.The placental changes of a hypertensive and diabetic mother have been described in this case report. The mother was a 31 years old primigravida. She came to the Gynaecology Out Patient department of NRS Medical College, Kolkata, in 39th week of her gestation. She had pregnancy induced hypertension and gestational diabetes. After admission she had undergone lower uterine segment Caesarean Section and gave birth to a male baby. Her placenta was collected from the operation theatre to observe the gross and histological features. The placental weight (455gm.) was less than normal and microscopic changes like calcification, fibrin deposition etc. were found.

**Key Words:** Placenta, pregnancy induced hypertension, gestational diabetes