**Original article:**

**Comparative histological studies on the non cellular component of normal and antepartum haemorrhagic human placenta**

**DR MAITRAYEE MONDAL1 , DR RANJIT GHOSH2, DR MALLIKA SENGUPTA3, DR SOUMEDHIK DEY4,**

**DR PALLAB KUMAR SAHA5.**

1ASSISTANT PROFESSOR, DEPARTMENT OF ANATOMY, R. G.KAR MEDICAL COLLEGE AND HOSPITAL,KOLKATA 700004

2PROFESSOR, DEPARTMENT OF ANATOMY, WEST BENGAL UNIVERSITY OF ANIMAL AND FISHERY SCIENCES,KOLKATA

3ASSITANT PROFESSOR, DEPARTMENT OF GYNAECOLOGY AND OBSTRATRICS,R. G. KAR MEDICAL COLLEGE HOSPITAL, KOLKATA 700004

4 DEMONSTRATOR, CALCUTTA NATIONAL MEDICAL COLLEGE AND HOSPITAL, KOLKATA 700014

5 3rd YEAR POST GRADUATE TRAINEE, R. G.KAR MEDICAL COLLEGE, KOLKATA 700004

**Corresponding author:** DR MAITRAYEE MONDAL

**Abstract:**

A qualitative histological observation of two main non cellular components of human placenta were made in normal as well as in the placenta with history of antepartum haemorrhage. Forty placentae of each group were studied. The histological studies were done after staining with H&E, Masson’s Trichrome and MSB to see the difference of these deposits in each group. Fibrin and Fibrinoid were found both in normal placenta and placenta with history of APH. These deposits were found to be more intensified in the APH group which probably hampered the growth of the foetus.

**Key-words :**  Fibrinoid, Nitabuch’s layer, Rohr’s striae, Langhans layer