

## Histomorphological Spectrum of Lesions in Endometrial Biopsy in Patients Presenting with Abnormal Uterine Bleeding - A Study of 202 Cases

Sarika, More; Pritam, Khairkar; Gopalkrishna, Sawake; Nileema, Sawake; Megha, Pandey; Aashish, Pandey;

Dr. Sarika More. Associate Professor, Department of Pathology, Chirayu Medical College and Hospital, Bhopal. Mob No.9977097943. Email: [dr.sarikamore@rediffmail.com](mailto:dr.sarikamore@rediffmail.com)

### Abstract

**Background:** Abnormal uterine bleeding is the most common presentation amongst the women of all age groups attending the gynecology out patient department. Abnormal uterine bleeding (AUB) refers to a symptom of excessive, scanty, prolonged, cyclic, unexpected or acyclic bleeding regardless of diagnosis or cause. **Material & Method:** The study was carried out in the Department of pathology, Chirayu Medical College & Hospital Bhopal, India, over a period of 1 year from May 2015 to May 2016. Detailed clinical history like age, menstrual status including dysmenorrhoea, menorrhagia, period & regularity of cycle were obtained from the case records. Endometrial samples were obtained from dilatation and curettage or endometrial biopsy. Specimens were received in 10% formalin. These were studied grossly and were processed in automated tissue processor. Four to five micron thick paraffin embedded serial sections were taken and stained by Haematoxylin and Eosin. Special stains like ZN stain were done as per the case requirement. **Results:** The most common age group presenting with AUB was 41-50 years (40.09%). The commonest pattern in these patients was proliferative endometrium (41.58%), and secretory endometrium (17.32%). The commonest pathology was endometrial hyperplasia (15.34%). Hormonal changes were seen in 6.43% cases and endometrial carcinoma in 1.98%. **Conclusion:** Patients with AUB show variable pathology on endometrial biopsy ranging from inflammatory cause to malignancy. Hence, we recommend the pathologist should be vigilant while reporting endometrial biopsy which can have impact on patient's life.