

THE EFFECT OF SOCIO-DEMOGRAPHIC WITH AUB IN PERIMENOPAUSE

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Article Info: Received 10 August 2021; Accepted 24 September 2021

DOI: <https://doi.org/10.32553/ijmbs.v5i10.2231>

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Conflict of interest: No conflict of interest.

Abstract

Background: The effect of socio-demographic on AUB in perimenopause.

Methods: Prospective interventional study conducted at Kamla Nehru Hospital for State Mother and Child, IGMC Shimla.

Results: In the present study according to the modified kuppaswamy socioeconomic scale AUB was found maximum in women belonging to lower middle class i.e 93 (40.6%) with confidence interval of 34.19-47.95% followed by upper lower class i.e 90 (39.3%) with confidence interval of 32.93-45.95% and least in upper class i.e 7 (3.05%) with confidence interval of 1.24-6.20%.

Conclusion: In summary, abnormal uterine bleeding in perimenopausal patients is a common and important part of clinical practice for health-care providers of women.

Keywords: AUB, SES, Bleeding

Introduction

Abnormal uterine bleeding (AUB) is the most common, perplexing and frequently presenting complaint in gynaecology outpatient department (OPD) in all age groups.^{1,2}

Abnormal uterine bleeding is a term used to describe any type of bleeding that does not fall within the normal range for amount, frequency, duration or cyclicity.³

Abnormal uterine bleeding includes both dysfunctional uterine bleeding (DUB) where no demonstrable organic cause is seen and bleeding from structural causes like fibroids, polyp, endometrial carcinoma and pregnancy related complications.⁴

Material and Methods

Study Design: Prospective interventional study.

Study Settings: After approval from Research and Ethics Committee this study was conducted at Kamla Nehru Hospital for State Mother and Child, IGMC Shimla.

Study Period: 1ST July 2018- 30th June 2019.

Sample Size: All patients coming in the study period fulfilling the inclusion criteria

Inclusion Criteria:

1. Perimenopausal women in age group 45 years and above with AUB.

Exclusion Criteria:

1. Patient refusal
2. Other age groups with abnormal uterine bleeding
3. Isolated cervical or vaginal pathology
4. Bleeding diathesis and tendencies
5. Pregnancy and its complications
6. Patients receiving cyclical hormones
7. Endocrine diseases like hypothyroidism, diabetes
8. Leiomyoma
9. Adenomyosis

Detailed history of the women with abnormal uterine bleeding coming to the opd was taken including the age, parity and menstrual patterns (amount, duration, and pattern of bleeding). General and systemic examination of these patients was done. The patients were subjected to routine investigations as per departmental protocol.

1. Hemoglobin
2. Urinary pregnancy test
3. Fasting blood sugar and post prandial blood sugar
4. Urine routine & microscopic examination
5. Thyroid profile
6. Coagulation profile
7. Ultrasonography of pelvic organs

Every patient was posted for endometrial curettage and the endometrial curetting's were taken as day care procedure.

Patients were asked to come next morning nil per orally. After taking the informed consent patients were asked to empty the bladder prior to procedure. The patients were given intravenous sedation. Patients were placed in lithotomy position. Local antiseptic cleaning and draping was done.

Then bimanual examination was performed. Posterior vaginal speculum was introduced. The anterior lip of cervix was grasped with an allis tissue forceps. A uterine sound was introduced to confirm the position and to note the length of the uterocervical canal. Cervical canal was dilated with graduated dilators. After the desired dilatation, the uterine cavity was curetted by a uterine curette directing starting from fundus down to internal os. Vulsellum and speculum was removed.

Endometrial samples were collected in 10% formalin and sent for histopathological analysis to the Deptt. Of Pathology IGMC Shimla.

Endometrial patterns reported were recorded and studied.

Statistical Analysis

The frequency, proportion and percentages were calculated.

Results were summarized in tables, graphs and figures in terms of proportions and percentages. Statistical analysis was done using SPSS version 20.

Observations

In the present study according to the modified kuppaswamy socioeconomic scale AUB was found maximum in women belonging to lower middle class i.e 93 (40.6%) with confidence interval of 34.19-47.95% followed by upper lower class i.e 90 (39.3%) with confidence interval of 32.93-45.95% and least in upper class i.e 7 (3.05%) with confidence interval of 1.24-6.20%.

Table 1: Relationship of AUB with socioeconomic status

Mod Socio-Economic Class	No Of Cases (229)	Percentage	Confidence Interval
Upper Class	7	3.05%	1.24-6.20%
Upper Middle	13	5.67%	3.06-9.51%
Lower Middle	93	40.60%	34.19-47.95%
Upper Lower	90	39.30%	32.93-45.95%
Lower	26	11.35%	7.55-16.19%

Table 2 Socioeconomic status and AUB

	Sreelakshmi U Et Al(2017)		Present Study	
Mod Socio-Economic Class	No Of Cases (135)	Percentage	No Of Cases (229)	Percentage
Upper Class	15	11.11%	7	3.05%
Upper Middle	28	20.74%	13	5.67%
Lower Middle	42	31.11%	93	40.60%
Upper Lower			90	39.30%
Lower	50	37.03%	26	11.35%

Discussion

The majority of study subjects belonged to low socio-economic status in the present study which was in concordance with the study done by Sreelakshmi U et al.³⁶ As in our study most of the people belong to the low socio-economic status and this may be the reason for this outcome.

Conclusion

In summary, abnormal uterine bleeding in perimenopausal patients is a common and important part of clinical practice for health-care providers of women.

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