

ORIGINAL ARTICLE

Prevalence of Hemorrhoids Signs and Symptoms among Pregnancies at Maternity Teaching Hospitals in Mosul City

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ABSTRACT

Objective: Estimate to the prevalence of hemorrhoids Signs and Symptoms among pregnancies in maternity teaching hospitals in Mosul city.

Material: Descriptive study was conducted in maternity teaching hospital 20to30 September 2022 . A purposive sample that consists of (64) patients , chosen according to the criteria . Their age ranges between (15-44) years. A questionnaire was developed for purposive of study & included 3 parts is consist of part one demographic data and part three is composed of (7) items . The overall questions included (28) items.

Results: The age groups is between(20-24) years and constituted Prevalence (29.7%), In addition the age groups is between (25-29) years and constituted (29.7%) Most of samples were females constitute of Prevalence (60%) of the total samples. In regard with residence city Prevalence (76.6%) .In regard with levels of education elementary Prevalence (20.3%) .In regard with occupation housewife Prevalence (65.6%) high percentage.

Conclusion: This study concluded that the Age, Residence, occupation a variables are the most socio- demographic variables that were associated prevalence of hemorrhoids Signs and Symptoms among pregnancies and the level of education variable.High percent from total sample were in residence city it constitute of Prevalence (76,6%). With regard to the occupation housewife were living urban areas and constitutes Prevalence (65,6%) and there are many high associations among some variables prevalence of hemorrhoids Signs and Symptoms among pregnancies and the age significant.

Keywords: Prevalence, Hemorrhoids, Pregnancies.

INTRODUCTION

Hemorrhoids are the proximal dislocation and venous oedema of the hemorrhoidal cushions, which harm 44% of persons ⁽¹⁾ . Hemorrhoids' typical symptom, which includes painless bleeding, rupture, dirtying, and itching, might get worse in these manners ⁽²⁾. In the U.s, hemorrhoids are a typical initially outpatient diagnosis, with 3.5 million outpatient medication clinic anticipated in 2019. Because of the frequency of gut issues during pregnancy, 0.2–1% of pregnant women require the assistance of a specialist doctor throughout their deliveries⁽³⁾ .Although it is unknown how frequently hemorrhoids occur during pregnancy, they are incredibly common ⁽⁴⁾ . Additionally frequent in the postpartum period are hemorrhoids. As per reports, anal fissures, findings also suggested external hemorrhoid, or both are evident in 33% of these participants at this time ⁽⁵⁾ . Although a number of risk factors have been identified, it is unclear how pregnancy-related perianal disorders are caused biologically or by what mechanism ⁽⁶⁾ . If hemorrhoids were previously present, pregnancy may be the first time they show symptoms. The 2nd and 3rd trimesters of pregnancy, as well as the postpartum period, are when hemorrhoidal symptoms are most prevalent ⁽⁷⁾ . Hemorrhoids are more common in women following giving birth vaginally due to hormonal changes and elevated intra-abdominal pressure. According to estimates, this illness affects 25% to 35% of pregnant women ⁽⁸⁾. Hemorrhoids can affect up to 85% of pregnancies in some populations during the third trimester ⁽⁹⁾ .The objective of the study to prevalence of hemorrhoids Signs and Symptoms among pregnancies in maternity teaching hospitals in Mosul city and to identify the relationship between demographic data and the hemorrhoids Signs and Symptoms among pregnancies .

METHOD AND MATERIALS

Quantitative design (a descriptive study) was carried out to the Prevalence of hemorrhoids Signs and Symptoms among pregnancies . An Manual questionnaire was designed and distributed to pregnant women in order to Prevalence of hemorrhoids Signs and Symptoms among pregnancies .A purposive sample that consists of (64) patients , (64) pregnant women chosen according to the criteria . Their age ranges between (15- 44) years.The Instrument of the Study, In order to collect the study information, a questionnaire was constructed depending on the criteria of (format adopted and modified by researcher) and related literature .It is composed of three parts :-

Part one : This part includes (6) items which focus on the patients socio-demographic characteristics such as (Age, Residence, levels of education , Occupation , Number of pregnancy, Type of delivery) .Part two : It consists of (4) item , it consist of history to hemorrhoidal disease .Part Three : It consist of (7) items , it demonstrate of The association between Prevalence of hemorrhoids Signs and Symptoms among pregnancies and the trimesters of pregnancy. Each patient need to spends approximately (20-30 min) to give the test result . A panel of experts was used to determine the content validity. They were all in agreement that the surveys were adequate, relevant, and straightforward. Based on the advice and recommendations of the specialists, some minor adjustments were made. The statistical package for social science (SPSS) was used for data analysis, and the significance level depends on descriptive statistical data analysis. The data were processed, organized, and coded into a computer file ⁽¹⁰⁻⁴²⁾.

RESULTS

Table 1: Demographic Characteristics of the Studied Samples.

No.	Variables	F.	(%)
1.	Age (year)		
	15 – 19	5	7.8
	20 – 24	19	29.7
	25 – 29	19	29.7
	30 – 34	8	12.5
	35 – 44	13	20.3
	Total	64	100.0
2.	Residence	F.	(%)
	City Urban	49	76.6
	Village rural	15	23.4
	Total	64	100.0
3.	Levels of Education	F.	(%)
	Illiterate	13	20.3
	Read and write	9	14.1
	Elementary	13	20.3
	Medium	9	14.1
	Prep	11	17.2
	Bachelor's degree and above	9	14.1
	Total	64	100.0
4.	Occupation	F.	(%)
	Employee	11	17.2
	Housewife	42	65.6
	Student	11	17.2
	Total	64	100.0



Figure 1:

Table 2: Describes the History of the Diseases of the Study Samples.

History of the Diseases	Yes		No	
	F.	%	F.	%
She suffers from hemorrhoids before marriage	16	25.0	48	75.0
Suffering from hemorrhoids before pregnancy	22	34.4	42	65.6
Suffer from intestinal problems	25	39.1	39	60.9
Hemorrhoids surgery	23	35.9	41	64.1
There is none of the above	16	25.0	48	75.0

Table 3: Describes the Signs and Symptoms of Hemorrhoids During (1-13) Weeks of Pregnancy of the Study Samples.

Signs and Symptoms	Yes		No	
	F.	%	F.	%
Feeling uncomfortable or difficult while defecation	34	53.1	30	46.9
Mucous secretions during defecation	21	32.8	43	67.2
Burning in the anal area	36	56.3	28	43.8
Pain during defecation	39	60.9	25	39.1
A bump in the anal area	30	46.9	34	53.1
Anal bleeding	25	39.1	39	60.9
Anal itching	40	62.5	24	37.5

Table 4: Describes the Signs and Symptoms of Hemorrhoids During (14-27) Weeks of Pregnancy of the Study Samples.

Signs and Symptoms	Yes		No	
	F.	%	F.	%
Feeling uncomfortable or difficult while defecation	36	56.3	28	43.8
Mucous secretions during defecation	20	31.3	44	68.8
Burning in the anal area	40	62.5	24	37.5
Pain during defecation	42	65.6	22	34.4
A bump in the anal area	30	46.9	34	53.1
Anal bleeding	23	35.9	41	64.1
Anal itching	44	68.8	20	31.3

Table 5: Describes the Signs and Symptoms of Hemorrhoids During (28-40) Weeks of Pregnancy of the Study Samples.

Signs and Symptoms	Yes		No	
	F.	%	F.	%
Feeling uncomfortable or difficult while defecate	41	64.1	23	35.9
Mucous secretions during defecation	27	42.2	37	57.8
Burning in the anal area	41	64.1	23	35.9
Pain during defecation	43	67.2	21	32.8
A bump in the anal area	33	51.6	31	48.4
Anal bleeding	28	43.8	36	56.3
Anal itching	45	70.3	19	29.7

Table 6: Describes the Diet Habits and Treatment Measures for Hemorrhoids During Pregnancy of the Study Samples.

Diet habits and Treatment Measures for Hemorrhoids	Yes		No	
	F.	%	F.	%
The nature of the food is completely vegetarian	30	46.9	34	53.1
The nature of food is mostly meat and starches	49	76.6	15	23.4
Do you drink a lot of water during the day	34	53.1	30	46.9
Have herbs been used to treat hemorrhoids without a prescription	20	31.3	44	68.8
Were some laxatives or some emollients used with a prescription	52	81.3	12	18.8
Sitting in a basin of warm water to reduce pain	19	29.7	45	70.3
Have you seen a doctor to treat hemorrhoids during pregnancy	46	71.9	18	28.1

DISCUSSION

Table (1): This table shows that (29.7%) of patients were within (20 - 24) and (29.7%) of patients were within (25–29) age groups, and (7.8%) of patients were within (15–19) age groups. As for Residence, (76.6%) of the samples live in the City. According to the level of education, this table shows that (20.3%) of them were Illiterate and (20.3%) of them were Elementary. With regard to the Occupation, (65.6%) of the samples were Housewife. Figure (1): This figure showed that (30%) of the patients were first pregnancy, (31%) of the patients were second pregnancy and (39%) of the patients were third pregnancy. Table (2): This table shows that the She suffers from hemorrhoids before marriage was found in (16) of patients, Suffering from hemorrhoids before pregnancy was found in (22) of patients, Suffer from intestinal problems was found in (25) of patients, Hemorrhoids surgery was found in (23) of patients, There is none of the above was found in (16) of patients. Table (3): This table demonstrates that 34 patients reported finding it painful or challenging to urinate. (21) of the patients had mucous secretions during feces. Thirty-six patients (36) had anal burning. In (39) of the patients, there experienced pain when urinating, Thirty patients had a lump in the anal region. There was anal bleeding in (25) of the individuals. There was anal itching in (40) of the individuals. Table (4): This table demonstrates that 36 patients reported finding it painful or challenging to urinate. Twenty individuals had mucous discharges during urination. (40) of the patients had burning in the anal region. In (42) of the patients, there experienced pain when urinating, Thirty patients had a lump in the anal region. In (23) of the patients, anal hemorrhage was discovered. There was anal irritation in 44 patients. Table (5): This table demonstrates that 41 patients reported finding it painful or challenging to urinate. In (27) of the patients, mucous discharges were observed during defecation. Four hundred and one patients (41) had anal burning. In (43) of the patients, there experienced pain when urinating, 33 of the patients had a hump in the anal region. There was anal hemorrhage in (28) of the individuals. There was anal irritation in (45) of the patients. Table (6): This table shows that the nature of the food is completely vegetarian was found in (30) of patients, The nature of food is mostly meat and starches was found in (49) of patients, Drink a lot of water during the day was found in (34) of patients, Herbs been used to treat hemorrhoids without a prescription was found in (20) of patients, Some laxatives or some emollients used with a prescription was found in (52) of patients, Sitting in a basin of warm water to reduce pain was found in (19) of patients, Seen a doctor to treat hemorrhoids during pregnancy was found in (46) of patients.

CONCLUSIONS

This study concluded that the Age, Residence, occupation a variables are the most socio- demographic variables that were associated prevalence of hemorrhoids Signs and Symptoms among pregnancies and the level of education variable. High percent from total sample were in residence city it constitute of Prevalence (76.6%). With regard to the occupation housewife were living urban areas and constitutes Prevalence (65.6%) and there are many high associations among some variables prevalence of hemorrhoids Signs and Symptoms among pregnancies and the age significant.

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