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Dysmenorrhea and Practice of Menstrual Hygiene in Adolescent Females

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ABSTRACT

Background: Adolescence is a relatively flus period of physical change experienced by adolescents when pohery is unabad by the first measurables (measurely). Measuration of the first measurables (measurely). Measuration and resignant hobits continue to recounter numerous social, cultural, and religious berriers, which make it extremely difficult to maintain good logical changes and the procedure of dynameration in adolescent peacule is the good of this study. Method: The cross-sectional investigation was curried out to between December 2022 and Janisary 2024. Adolescent frames samples that do eached meanerhe WALLIDD iscore is an austrement used to measure dynameration. Results: The resolute of this tauly show as many as T.7% of Menerche adolescent guits at the age of 12-14 years. A many at 4-4% of Perspondents valued shownershed andoest adoust about a 4-4% of respondents would their hands before and other replacing meaninal materials. The majority of them would hely genital saring soap (79.1%) and explace guide (3 sines) T25%. Conclusion and suggestions: Primary dynaments which the as a common condition among adolescent females, which can make it challenging for them to work or go about their daily iffe. Adolescent founder who are knowledgeable about their daily income with in mormal pelvic anatomy that

INTRODUCTION

INTRODUCTION

Adolescence is a period of fast hormonal, mental, emotional, and physical growth that heralds the transition from total dependence to a certain level of relative independence. to a certain level of relative integendence. It is the transitional stage between childhood and maturity. (Best and Ban, 2021) A girl's adolescence is a time of physical and mental preparation for becoming a responsible mother. (Sawyer et al., 2018)

Late adolescence is a common time for menstrual problems to manifest. Dysmenorrhea is a prevalent issue among women who are fertile. Menstrual pain in

women with normal pelvic anatomy that typically begins in adolescence is known as primary dysmenorrhea. Seldom do symptoms stat to show up six months after menarche. (Burnett and Lemyre, 2017) menarche. (Burnett and Lemyre, 2017)
Pain and sporadic spasms, which are
typically localized in the suprapuble region,
will be experienced by the affected women.
Lower back or rear foot pain are possible to
develop. Common systemic symptoms
include headaches or mild headaches,
tiredness, womitting, diarrhea, and mild
fever. The first or second day of the cycle is
when the pain peaks, usually occurring a
few hours following the onset of menstruation. (McKenna and Fogleman, 2021)

Maintaining hygiene during menstruation is Mantaning hygiene during menstruation is significantly hampered by the numerous social, cultural, and religious barriers that still surround menstruation and menstrual customs. Girls often encounter many obstacles at home, at school, and at work since they are not prepared for or aware of menstruation, especially in rural communities. One of the biggest challenges

communities. One of the biggest challenges in managing menstruation and personal hygiene is having little or wrong understanding about the menstrual cycle. (Kaur, Kaur and Kaur, 2018) Management of hygiene during menstruation is greatly aided by education. It is believed that by teaching teenage females about their periods, they will be able to practice good hygiene. Many girls do not receive enough knowledge on the realities of menstruation because of cultural norms and expectations. They feel strange, ill, or traumetized as a result. Girls who are not prepared for the feelings of perplexity, dread, and guilt that come with menarche often grow to detest their periods. (Kaur, Kaur and Kaur, 2018)

Analyzing menstruation practices and the

Analyzing menstruation practices and the prevalence of dysmenorthea in adolescent female is the goal of this study. METHODS AND MATERIALS

The cross-sectional investigation was carried out in Sukoharjo and Surakarta. The

carried out in Sukoharjo and Surakarta, The research was carried out between December 2023 and January 2024. Adolescent female samples had reached menarche.

The sample for ampling was chosen by random sampling, and a total of 120 individuals who satisfied the inclusion criteria were included. Instruments and protocols for collecting data with a

systematic WaLIDD score questionnaire systematic WaLIDD score questionnaire (dysmenorrhea, work ability, location, intensity, and pain day). This dysmenorrhea identification que stonnaire was taken from carlier research publications. (Teherán et al., 2018) The WaLIDD questionnaire, which asks about workability, location, intensity, and sick day, was one of the study's instruments. Adolescent female who experience dysmenorrhea can provide study data by answering the WaLIDD's Questionnaire, which they fill out based on their experiences.

Questionnaire, which they fill out based on their experiences.

Four questions with indicators are included in the WaLIDD Questionnaire: one about the ability to work, = 0: never 1: almost never, 2: almost always, 3: always, Location = 0: None, 1: 1 location, 2: 2-3 locations, 3: 4 locations/Intensity = 0: does not hurt, 1: hurts a little bit, 2: hurts a little more—hurts even more, 3: hurts a whole lot—hurts worst; days of pain = 0: None, 1: 1-2 days, 2: 3-4 days, 3: ≥ 5 days. The interpretation of the WaLIDD's Questionnaire: 0 = without dysmenorrhea; 1-4 = mild dysmenorrhea; 5-7 = moderate dysmenorrhea; 8-12 = severe dysmenorrhea:

dysmenorrhea.

Characteristics of respondents such as age and menarche are depicted by the percentage, frequency, table, mean, and range between the quartiles. Dysmenorrhea prevalence is calculated and presented in the form of reportilems.

the form of proportions. RESULTS AND DISCUSSION

The respondents' sociodemographic details are displayed in Table 1. The questionnaire was completed and returned by 120 adolescent female. The mean age of the participants was 16.39 ± 1.007 years and the menarche age was 12.32 ± 1.202 on

Table 1. Respondents' sociodemographic characteristics

	Frequenc	
Characteristics	(m=120)	%
Respondent age (year	rs)	
15	13	10.83
16	61	50.83
17	42	35.00
20	3	2.50

22	1	0.83
Menarche age (year	rs)	
10	5	4.17
11	26	21.67
12	40	33.33
13	29	24.17
14	17	14.17
15	1	0.83
16	2	1.67

Table 2 shows that respondents experience early menarche (<12 years) of 25.8% and late menarche (> 14) of 2.5%. As many as 80.83 % (97(120) experienced moderate to experienced 2-3 locations severe dysmenorrhea. Respondents reported that 50% of dysmenorrhea almost Table 2. Menstrual Characteristics of Respondents

always interfered with their work activities, and 25.83% stated that the intensity was hurts a whole lot—hurts worst. The majority experienced 2-3 locations of dysmenorithe pain (53.33%) and days of pain 1-2 days.

Characteristics	Frequency	%
Menarche age		
<12 years	31	25.8
12-14 years	86	71.7
15-17 years	3	2.5
WaLLIDD Score		
Work Ability		
Never	9	7.50
Almost Never	31	25.83
Almost Always	60	50.00
Always	20	16.67
Intensity		
Does not hurt	4	3.33
Hurts a little bit	47	39,17
Hurts a little more -	38	31.67
hurts even more	20	31.07
Hurts a whole lot - hurts	31	25.83
worst	31	23.03
Location		
1 Location	56	46.67
2-3 Locations	64	53,33
4 Locations	0	0.00
Days		
0	6	5
1-2 Days	88	73.33
3-4 Days	14	11.67
>=5 Days	12	10
Dysmenorrhea status		
Mild dysmenorrhea	23	19.17
Moderate dysmenorrhea	61	50.83
Severe dysmenorthea	36	30
Total	120	100

Table 3 shows the hygiene practices carried out by adolescents during menstruation.

Nearly 100 % of respondents wash their hands before and after replacing menstrual

Table 3. Menstrual Hygiene Practices

Hygiene Practice

materials. The majority of them wash their genitals using soap (79.1%) and replace pads (\geq 3 times) 72.5%.

Hand washing habits before changing menstrual materials		
Never	0	0
Sometimes	22	18.3
Every Times	98	81.7
Hand washing habits after changing menstrual materials		
Never	0	0
Constigue	2	24

Frequency

Total	120	100
4	23	19.17
3	64	53.33
2	32	26.67
	1	0.83
Changing menstrual materials (times)		
Every Times	46	38.33
Sometimes	50	41.67
Never	24	20.00
Wash the genitals using soap		
Every Times	117	97.5
Sometimes	3	2.5
Never	0	C
menstrual materials		
Hand washing habits after changing		

Adolescence is seen as a unique and crucial time in women's lives when major hormonal and emotional changes take place, along with the enset of their first menstrual cycle. Despite being a normal physiological procedure for people of reproductive age, menstruation still carries sigma. As a result, many young girls may not have access to adequate information about menstruation and proper hygiene practices. The menstrual cycle is a typical biological phenomenon but is often exacerbated by pre-menstrual disorders. (Sadeeqa et al., 2013) Period irregularities may indicate more serious health issues that, if left untreated, could worsen and result in substantial morbidity. (Odongo et al., 2023) (Fernández-Martínez, Onieva-Zafra and Parra-Fernández, 2019)Menstrual abnormalities have been linked to deficiencies in education and disruptions in daily activities and quality of life. (Maity et al., 2022) Adolescence is seen as a unique and crucial

This study shows that most of the menarche's adolericent femaleat the age of 12-14 years (71.7%). Some teenage girls, however, menarche later than others (2.5%). Menarche is regarded as late if it happens at or after the age of fifteen and early if it happens at or before the age of 100 Esanctis et al., 2019). Menarche is also considered delayed if there are more than three years between the emergence of Thelarche and the first menstruation. Sixty to eighty percent of the menstrual cycle last for 21 to 34 days in the third year following menarche. So% of the cycle experiences ovulation in the first year after the ranchers, and nearly all of the women who receive early menarche experience ovulation in the fifth year. On the other hand, women who menarche more slowly take 8 to 12 years to reach ovulation in every cycle. (Lacroix AE, Gondal H, Shumway KR, 2024)

44.4% of respondents to a study claimed that dysmenorrhea nearly usually interfered with their ability to perform duties at work. When diarrhea, pelvic discomfort, nausea, vomiting, and dizziness are possible side effects of dysmenorrhea. This issue is brought on by dysmenorrhea, which interferes with school-related activities. In contrast, women with dysmenorrhea have to carry on with their regular activities, just as women without the condition. Dysmenorrhea is a severe and chronic Dysnenorrhea is a severe and chronic discomfort and unpleasant condition that affects some women to the point where they feel weak, faint, and need medical attention. (Azagew, Kassie and Walle, 2020)

Dysnenorrhea may have a significant impact on the daily lives of adolescent girls.

impact on the daily lives of adolescent girls. The impact is reflected in the level of absence at school or work. Dysmenorthea can also limit adolescents to do physical or sponts activity. (Maggregot et al., 2023). According to this study. 25,83% of participants said the pain was really excruciating, and 53,33% reported having dysmenorthea in two to three areas with pain lasting one to two days. Pain that is felt during the menstrual cycle is referred to a dysmenorthea. Though it can occasionally dysmenorthea. Though it can occasionally radiate to the inner thighs and back, the pair normally starts in the lower abdomen. This is a severe problem that frequently arises in genecology. (Nagy H: Carison K: Khan MAB, 2023) Most women who experience dysmenorthea choose not to consult a doctor for help. As an alternative, they treat patients by using analyseise, such as paraectamel and nonsteroidal anti-inflammatory medications, to reduce pair feelings. (Cherenack et al., 2023) (Kapadi feelings. (Cherenack et al., 2023) (Kapadi dysmenorthea. Though it can occasionally

and Elander, 2020) In general, menstruation-related issues are handled by women in a variety of ways that differ significantly among nations based on affer significantly among nations oseed on factors such as personal preferences, financial means, economic standing, regional customs, cultural knowledge, and education. Unfortunately, the majority of young women lack sufficient knowledge on menstrual hygiene because of several cultural and societal misconceptions around menstruation...

feelings. (Cherenack et al., 2023) (Kapadi

More than 90% of the adolescent females in More than 90% of the adolescent tentales in this study consistently wash both before and after changing their menstruation products. The mean participant swapped out the pads at 2.91 ± 0.7. Negative effects on health, mental health, and education might result from poor management of menstrual hygiene. Menstrual discomfort, urinary hygiene. Menstrual discomfort, urinary tract infections, and anemia are among the health effects. (Torondel et al., 2018) (Kashyap and Choudhari, 2023) Adolescent females are allegedly esperiencing a range of period-related reproductive health issues, such as burning when urinating, abdominal pain, and excessive menstrual blood. (De Smetis et al., 2022)

CONCLUSIONS AND SUGGESTIONS

Primary dysmenorthea is a common condition among adolescent females, which can make it challenging for them to work or go about their daily life. Adolescent females who are knowledgeable about their periods who are knowledgeane arout unter perious can make hygienic and safe menstrual habits. This means that the appropriate policy, which can be a component of the overall policy for community development and health, needs to be developed and put

REFERENCES

Azagew, A. W., Kassie, D. G. and Walle, T. A. (2020) 'Prevalence of primary dysmenorrhea, its intensity, impact and associated factors among female students' at Gondar town preparatory school, Northwest Ethiopia', BMC Women's Health, 20(1), p. 5. doi: 10.1186/s12905-010.0873.4

Best, O. and Ban, S. (2021) 'Adolescence: physical changes and neurological development.', British journal of nursing (Mark Allen Publishing), 30(5), pp. 272– 275. doi: 10.12968/bjon.2021.305.272.

Burnett, M. and Lemyre, M. (2017) 'No. 345-Primary Dysmenorthea Consensus Guideline.', Journal of obstetrics and genoecology Canada: JOGC – Journal of Obstetrique et genoecologie du Canada: JOGC. 39(7), pp. 585-595. doi: 10.1016/j.jogc.2016.12.023.

Cherenack, E. M. et al. (2023) 'Adolescent Cherchaek, E. M. et al. (2023) Aconsecution girls' descriptions of dysmenorrhea and barriers to dysmenorrhea management in Moshi, Tanzania: A qualitative study. PLOS Global Public Health, 3(7), p. e0001544.

10.1371/journal.pgph.0001544.

Fernández-Martínez, E., Onleva-Zafra, M.
D. and Parra-Fernández, M. L. (2019) 'The
Impact of Dysmenorthea on Quality of Life
Among Spanish Female University
Students', International Journal of
Environmental Research and Public
Health, 16(5), p. 713. doi:
10.3390/ijerph16050713.

Kapadi, R. and Elander, J. (2020) 'Pain coping, pain acceptance and analgesic use as predictors of health-related quality of life as peticers of neutron and anti-related quality of the among women with primary dysmenorthea². European Journal of Obstetries & Gynecology and Reproductive Biology, 246, pp. 40-44 doi: 10.1016/j.ejogrb.2019.12.032.

Kashyap, V. and Choudhari, S. G. (2023) Menstrual Hygiene Problems and Challenges Faced by Adolescent Females in Rural Areas: A Narrative Review', Cureus. doi: 10.7759/cureus.40438.

Kaur, Rajanbir, Kaur, K. and Kaur, Rajinder (2018) 'Menstrual Hygiene, Management, and Waste Disposal: Practices and Challenges Faced by Girls/Women of Developing Countries.', Journal of environmental and public health, 2018, p. 1730964, doi: 10.1155/2018/1730964.

Lacroix AE, Gondal H, Shumway KR, et al (2024) Physiology, Menarche, Treasure Island (FL): StatPearls Publishing. Available at

https://www.ncbi.nlm.nih.gov/books/NBK 470216/.

Macgregor, B. et al. (2023) 'Disease Burden of Dysmenorrhea: Impact on Life Course Potential', International Journal of Woman's Health, 15(April), pp. 499–509. doi: 10.2147/IJWH.S380006.

Maity, S. et al. (2022) 'Academic and Social Impact of Menstrual Disturbances in Fernale Medical Students: A Systematic Review and Meta-Analysis', Frontiers in Medicine. 9. doi: 10.3389/fmed.2022.821908.

McKenna, K. A. and Fogleman, C. D. (2021) 'Dysmenorrhea.', American family physician, 104(2), pp. 164–170.

Nagy H; Carlson K; Khan MAB (2023) Dysmenorrheo: [Updated 2023 Nov 12]. In: StatPearls [Internet]. Available at: https://www.ncbi.nlm.nih.gov/books/NBK 560834/ (Accessed: 3 February 2024).

Odongo, E. et al. (2023) 'Prevalence and Odongo, E. et al. (2023) "Prevalence and effects of menstrual disorders on quality of life of female undergraduate students in Makerene University College of health sciences, a cross sectional survey", BMC Women's Health, 23(1), p. 152. doi: 10.1186/s12905-023-02290-7.

Sadeeqa, S. et al. (2018) 'Pattern And Prevalance Of Menstrual Disoreders In Adolescents', International Journal of Pharmaceutical Sciences and Research, 9(5), pp. 2088–2099, doi: 9(5), pp. 2088–2099, doi 10.13040/IJPSR.0975-8232.9(5).2088-99.

De Sanctis, V. et al. (2022)
'Hypomenorrhea in Adolescents and
Youths: Normal Variant or Menstrual
Disorder? Revision of Literature and
Personal Esperience., Acta bio-medica:
Atenei Parmensix, 93(1), p. e2022157. doi:
10.23750/abm.y93i1.12804.

Sawyer, S. M. et al. (2018) 'The age of adolescence.', The Lancet. Child & adolescent health, 2(3), pp. 223–228. doi: 10.1016/S2352-4642(18)30022-1.

Sumpter, C. and Torondel, B. (2023) 'A Systematic Review of the Health and Social Effects of Menstrual Hygiene Management', PLoS ONE, 8(4), p. e62004. doi: 10.1371/journal.pone.0062004.

Teherán, A. et al. (2018) *WaLIDD score, a new tool to diagnose dysmenorrhea and predict medical leave in university students', International Journal of Women's Health, Volume 10, pp. 35-45. doi: 10.2147/IJWH.S143510.

Terondel, B. et al. (2023) 'Association between unhygienic menstrual management practices and prevalence of lower reproductive tract infactions: a hospital-based cross-sectional study in Odisha, India', BMC Infectious Diseases, 18(1), p. 473, doi: 10.1186/s12879-018-3384-2.

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