

Digital Receipt

This receipt acknowledges that Turnitin received your paper. Below you will find the receipt information regarding your submission.

The first page of your submissions is displayed below.

Submission author: Diah Eko Martini

Assignment title: Cek kemiripan

Submission title: Factors Related to Prelabor Rupture of Membrane among M...

File name: lated_to_Prelabor_Rupture_of_Membrane_among_Maternity_...

File size: 420.68K

Page count: 7

Word count: 5,500

Character count: 29,198

Submission date: 18-Jul-2023 01:27PM (UTC+0700)

Submission ID: 2132987564



Factors Related to Prelabor Rupture of Membrane among Maternity Mother

by Diah Eko Martini

Submission date: 18-Jul-2023 01:27PM (UTC+0700)

Submission ID: 2132987564

File name: lated_to_Prelabor_Rupture_of_Membrane_among_Maternity_Mother.pdf (420.68K)

Word count: 5500

Character count: 29198

2

Standile Francisco AFRICENI, Sicon Invasize di Masseria.

April Accom Masselvano Accomo di Unita di Scotto III. Di Fabrilli i Niliano di Unita di Scotto III. Di Fabrilli i Niliano di Unita di Scotto III. Di Fabrilli i Niliano di Unita di Scotto III. Di Fabrilli i Niliano di Unita di Unit





Factors Related to Prelabor Rupture of Membrane among Maternity Mother at Lamongan Regency, East Java, Indonesia

Heny Ekawati 🍎 Diah Eko Martini 🤨 Lilis Maghfuroh 🧔, Wahyu Retno Gumelar 🧐, Nia Krisdianti 😉

*Department of Maternity Nursing, Universitas Muhammadiyah Lamongan, Lamongan, Indonesia: *Department of Pediatric Nursing, Universitas Muhammadiyah Lamongan, Lamongan, Indonesia

Abstract

Chemistry Dissert II. Married by Arm Management of Statement and Proceedings of the Statement of Statement and Procedings of the Statement and Statement and Statement and Statement and Statement of Statement and Statement of Statement and Statement of Statement and Statement of Statement of

BACKGROUND: The incidence of prelation rupture of membrane among maternity mathers at Lamongan tends to be high and fluctuating exceeds the incidence of prelation rupture membrane hallomaty. Prelation rupture membrane becomes one of the most commonly espoundered labor complications and has an impact on fetal mentality and mortality, especially high potential ideath.

Aim: The purpose of this study is to analyze the missonship of mother occupation, education, finise at normalities position, and age of the mother with the occurrence of preliator rupture of membrane at Lamungar Regercy in 2020.

METHODS: This research was using a cross-sectional approach. The projuntion was 203 magaineds, using probability sampling jedningue with simple random sampling obtained 134 respondents. Data analysis methods were used invariate analysis of Chi-aquare tools.

RESULTS: The results showed that factors related to prelator rupture of membrane among intererrity motives are couperton (p = 0.001), education (p = 0.000), and fetal abnormality position (p = 0.018). Age is no integrificant factor (p = 0.001).

CONCLUSION: D(4) pation, education sign of mother, and letal sonormalities position factors become 4 son related to prelation replace of membrane. The recommendation of this study is to consider the influence of factors related to arrivation replace early pregnant women to influence complications that may occur in the mother and baby, health workers always by to improve the quality of health services, especially antensial care to defect factors related to the occurrence of philater number out membrane.

Introduction

Premature rupture of the membrane is prelabour before the beginning of labor or before the age of 37 weeks of pregnancy characterized by painless discharge of fluid coming out of the vagina, discoloration, or decrease in the size of the uterus [1], [2].

The incidence of prelabor rupture of the membrane is estimated to reach 3–10% of the total delivery and result in the incidence of neonatal death which reaches 40–75%, also increasing the risk of neonate resuscitation, intravenous bleeding, infection, and respiratory distress syndrome and maternal pain due to chorioamnionitis which reaches 17.8%, postpartum period infection, disseminated intravascular coagulopathy, placental solution, national economic losses due to drug costs, hospitalizations, absences at work, and health worker costs [1], [3], [4], [5].

Some studies suggest that increased activity of local cytokines and imbalances in matrix activation of metalloproteinase, oxidative stress, apoptosis,

and increased activity of collagenase and proteases, as well as other factors, can cause increased intrauterine pressure leading to prelabor rupture of membrane. This biological process is initiated by various causes including infection/inflammation, placental bleeding, uterine persistence, and genetic polymorphism [6], [7].

In Ind 12 sia, the incidence of prelabor rupture of membrane ranges from 8-10% of all pregnancies. In term pregnancy, the incidence is between 6% and 19% while in preterm pregnancy, the incidence is 2% of all pregnancies. Even in Manado, it was reported that out of 3810 deliveries at the home of one of the hospitals; there were 1,54% or 59 cases of prelabor rupture of membrane. About 72% of 5 remature ruptured amniotic fluid cases occur at the gestational age of more than 37 weeks, with most mothers being in the age range of 20-24 years [8], [9]. While in East Java, the incidence of prelabor rupture of membrane reached 582 incidents/100,000 live births [6], [10]. In the Lamongan district 2013, 25 people experienced amniotic rupture early/100,000 live births. While in Lamongan Regency, maternity mothers with prelabor rupture of membrane tend to be fluctuating: wherein 2017, the incidence of amniotic rupture early amounted to 48.8% of the total delivery, this figure increased 4.6% in 2018 to 53.2%. However, in 2019, it decreased to 29.4% of total childbirth. Some studies show that the occurrence of early ruptured anniotic fluid is strongly associated with second or third trimester vaginal bleeding, uterine over distance, deficiency of copper and ascorbic acid nutrients, comentive tissue disorders, low body mass index, low socio-economic status, emoting, and use of illegel drugs, prior PROM history, history of abortion, and history of urinary tract infections. Nonetheless, often no obvious cause is identified in patients who come with premature ruptured anniotic fluid [6], [10].

Therefore, strong data on factors related to the incidence of premature rupture of the membrane will provide strong evidence for health-care policymakers and caregivers to design programs and strategies to lower the incidence of premature rupture of membrane and prevent complications in both reconstal and meternal.

Research Methods

This research was used correlational analytics and a cross-sectional approach. Using probability sampling technique, simple random sampling obtained 134 people. The data on age, employment, and education taken from medical records, while for abnormalities in the location of the fetus and the occurrence of premature rupture anniholic fluid taken from the results of ultrasound examinations that have been listed in the medical records on 03–05 May 2021.

Data analysis

The data were energed using the program statistical package of socio science version (SLD. The data presented in a table with a value of 0.05 was considered statistically significant in the study. Chi-square test analysis was used to measure relationships between different variables. Odds ratio (OR) is collected to measure exposure risk.

Require

Table 1 describes the characteristics of respondents which include the occurrence of premature rupture of membrane, work, education, fetal location abnormalities, and maternal age.

Table 1: Propondent characteristics

Carrenter	Purpusy (s. 4. 154)	Processor (50)
Promoter replace of mandatane PROM	114	42.1
Page PROM	34	17.5
Oceanides Working		
har rimentage	M N	47
Cinner	_	
College	#	35.1
Distance Senter legh School	<u>.</u>	5.0 M.3
Jordan Mgir Skinsel Mamontony Skinsel	2D 14	172 184
منتفص مضامات ومدار		
Horand Position	190 26	51.3 16.7
Sandar's age	4	HELF
Stant B	190 25	91.2 14.7
2-15-mn		146.7

Discussion

Besed on the results of research in Table 1, it can be known that the frequency of maternity mothers with the incidence of prelabor rupture of a membrane in Lamongan Regency almost entirely (81.3%) a mother with full-term pregnancy (2.37 weeks).

This is following previous studies [1] which stated that about 70% of asses of premature rupture of membranes occur in term pregnancies, but in referral centers, more than 50% of asses can occur in preterm pregnancies.

Based on the description above, the researcher secures that the frequency of the incidence of premature rupture of membrance in Lamongan Regency is directly proportional to the obstatric background and different malernal predispositions such as occupation, location of the fetus, and age. When approaching labor, there is an increase in matrix metallograteineses which tend to trigger premature rupture of membranes and in the last trimester can cause easy rupture of the membranes due to obstatile and predisposing factors that cause uterine enlargement, uterine contractions, and excessive fetal movement [11]. This opinion is also reinforced by the previous research [12] which states that premature rupture of membranes occurs more frequently in term pregnancy compared to preterm because it is a physiological event. due to increased strain and biochemical and hormonal changes that cause the amniptic membranes to become thinner and more finglie so they break assily.

Besed on Table 1 To be seen that the type of work of mothers with the incidence of premature rupture of membranes in Lamongan is mostly mothers who do not work.

The previous research (12) stated that the occupational statue of mothers who were at risk for premature rupture of membranes was mothers who worked during their pregnancy, while the occupational status of mothers who were not at risk was mothers who did not work during their pregnancy or were only housewhee.



For a working mother, it will effect family life as well as her health, especially reproductive health. One of the reproductive health disorders is interference during pregnancy and childbirth. In contrast to mothers who do not work or housewives who have more time its maintain their health and their families, so that the risk of experiencing complications especially premature rupture of membranes during the delivery process is lower [13].

Socio-economic levels proved to greatly affect the physical and psychological health condition of pregnant women, in pregnant women with a good social level, pregnant women will automatically get good physical and psychological well-being [14].

Based on the description above, researchers sesume that excessive activity in mothers with risk or non-risk work status causes mothers to experience fatigue which triggers prelabor rupture of membrane.

Based on Table 1, it can be known that the mother's trial with the occurrence of prelabor rupture of a membrane in Lamongan Regency almost half of the mothers has education at the higher education level. This means that the higher the experience of a mother getting an education, it will be more careful in maintaining her pregnancy so that the delivery process can be passed without any circumcision, one of which is ammiotic nucleus early.

Based on Indonesian Law No. 23, the level of education a person can support or influence the level of knowledge, the higher the level of education, the higher one's knowledge because higher education makes it easier for mothers to receive new information so that they will not be indifferent to health information while the lower the education, the knowledge is very limited so that it is indifferent to existing health programs.

Education is one of the factors that significantly affect household conditions (15). Mothers with a highly educated background will checktheir content regularly to prevent complications during childhirth, one of which is to prevent prelabor rupture of a membrane [13].

Based on the above description, researchers sesume that mothers who are highly educated are more receptive to information about regular pregnancy screenings, are more sware of meeting vitamin needs. do tetanus toxicid vaccines, and consume nutritious foods. So that highly educated mothers can minimize the occurrence of prelabor rupture of membrane.

Based on Table 1, it can be known that the fetal position with the occurrence of premature rupture in Lamongan Regency is almost entirely a mother with a normal fetal position.

Abnormalities in the fetus can increase the incidence of prelabor rupture of the membrane because the abnormality of the position can allow the tension of the uterine muscles to increase so that it can cause the amniotic rupture early. The smallness of the fetus

and the position of the fetus contained do not cause stretching of the amniotic membrane as in normal, breech, or transverse circumstances, because actually what can affect the amniotic rupture early is the strong weekness of the amniotic membrane in holding the fetus [18]. Suhaimi's research says that prelabor rupture of a membrane can be caused because increased apoptosis in the amniotic membrane plays an important role in thinning the fetal membrane that results in the occurrence of prelabor rupture of membrane. An increase in p53 will increase the appearance of caspase-3 which will cause excessive apoptosis with the intention of an increase in the apoptosis process; this can lead to prelabor rupture of a membrane [17].

Characteristics of clinically ruptured premature anniotic fluid include latency from members rupture to delivery, increased risk of intrautetine and neonate infectione, and oligohydramnios complicatione. Clinical choricamnionitic often occurs after prelabor rupture of membrane and increases with decreased gestational age when anniotic rupture. Anniotic rupture before delivery requires immediate attention. An accurate diagnosis and knowledge of gestational age are essential for determining patient management, so it needs serious treatment [18].

Based on the description above, researchers assume that almost all meternity mothers with early anniotic rupture in Lemongen Regency are mothers with normal location; this can be influenced by the age of the mother and the mother's work. This is directly proportional to the age of the mother which is almost entirely mother age is a healthy reproductive age and directly proportional to the work of the mother who is mostly a mother who is not the work of the mother who is

Based on Table 1, it can be known that the age of mothers with premature armiotic events in Lamongan Regency is almost entirely (85.8%) is a mother with a risky age range (<20 and >35 years). The previous research (19) stated that age influences pregnancy and childbirth. The rate of preterm labor is higher among adolescent mothers. These higher rates may be due to an increase in sexually transmitted diseases, a higher prevalence of substance abuse, a lack of preconception counseling, and incomplete maternal physical development. However, based on the retrieval research conducted by Joseph et al. (2014) mentioned that older women (>40 years) have a greater risk of spontaneous preterm birth compared to women aged 20—24 years.

Based on the description above, researchers assume that the age of the mother during childhirth is almost entirely a healthy reproductive age because they know the age limit of pregnancy and childbirth is good and minimizes the occurrence of risks. In this study, mothers who are not at risk and experience premature ruptured amniotic fluid can be caused by gestational age and the mother's work that drains energy and energy.

Based on Table 2, the Chi-equare results show p #0.001 < 0.05. This proves that there is a relationship of occupational factors with the occurrence of premature rupture of armitotic fluid in maternity mothers in RSI Neshrul Ummah Lamongan Regency. From the results of the OR enalysis obtained, the value OR = 5.784 (OR > 1), Ct. 1.855–18.0SS means that respondents whose employment status is at risk of developing amniotic rupture early full-term pregnancy or PROM (237 weeks) 5.784 times greater (an respondents whose employment status is not at risk of developing prelator rupture of membrane.

Table 2: Relationship of respondence characteristics with the insidence of presenters reptime of mouthranes assuing assistably waster in Lamangan Regionary, Best Java, bedenecia

	_ 4					
Characterists.		THE RESERVE	11	-	1444	OR (MINIO)
			ž	PROM	-	
	-	<u> </u>	-		1	
	•	===	•	=		
		(4)		-		
Chanalte						
Tions.	-	#4.7	4	43	4864	6.784
		77.3		30.2	—-	(1.055 - 0.055)
Hel marking	••		-			Ţ
Mercalies						
Cologo Diploma	44	E)	•	끖	2.000	♦1 ₩
Distance.	٠	44	٠	40		0.44E-4.8E)
Berle Heb Sabal	Ň	74	Ā	5.0		#
معضة مضا		HL2	7	ü		
The same of the same		A.7	3	47		
		-	•	•		
Feiglicher mellen seel						
منفصيح المنصب		44.2	16	18.6	4864	3.1426
مستعبط ألسنسمون	16	644	•			(1.321-P-00)
inches the						4
420 and 1- Milymore	44	75.7	6	442	4.334	ADM
Marie Ma	*	45.6	18	**		6.174-177

In line with the previous research, there is a relationship between the mother's employment status and the incidence of prelabor rupture of a membrane with p=(0.019)<0.05 and obtained the value OR=0.091 (OR>1). Ct. 0.011-0.755 means that respondents whose employment status is at risk of prelabor rupture of a membrane 0.091 times greater than respondents whose employment status is not at risk of prelabor rupture of a membrane.

This study is also in line with the previous research (20) with the results of statistical tests using Chi-square showing the value of Asymp.Sig $\rho=0.014<0.05$ with housewife occupation status or mother who not working 33 people (73.3%) stating that there is a significant relationship between the occupation of maternity mothers and prelabor rupture of a membrane.

The patient of work done by pregnant women can effect the normal energy needs needed. Exceesive work during #12/mency with a length of work that exceeds S h can result in fatigue. Fatigue at work causes weak chorion and areniotic so that it can be the trigger for the occurrence of prelation rupture of the membrane [20].

Based on the description above, researchers assume that working, in general, will require a lot of time and energy. Pregnant women, who work too hard and long, travel from home to work that is not safe or too far away and also the reother's activities at work.

such as going up and down stairs can cause the mother fatigue and the mother's physical condition will weaken so that it will affect the condition of her pregnancy. Pregnant women should not do too much activity, but the condition of every pregnant women is different—there are strong and some are weak. The burden of a lot of the mother's work will also affect the psychic that can make the mother stressed.

Based on Table 2. It can be known that the Chi-square result shows p = 0.002 < 0.05. This proves that there is a relationship of educational factors with the occurrence of prelation rupture of a nembrane in maternity mothers in the Lamongan Regency. From the results of the OR analysis obtained, the value OR ≈ 0.159 (OR > 1), Ct. 0.045–0.565 means that respondents who are not high-education experienced premature ruptured amniotic fluid 0.159 times greater than respondents who are highly educated are not at risk of developing premature rupture amniotic fluid.

This study is following research conducted [21] showing the results of the CR statistical test by 2.43 (CI 96%, 1.32–4.49) which means that mothers with uneducated ones are 2.43 times more likely to experience premature ruptured anniotic fluid compared to educated mothers.

In line with other studies [22] showed that there is a significant relationship between education and the incidence of anniotic rupture early with $p \approx 0.000 < 0.05$ and obtained OR = 3.632 (2.264–5.827) meaning that respondents who are not highly educated are at disk of developing premature rupture anniotic fluid. About 3.632 are more likely than highly educated people. The study also showed that education is the most dominant independent variable factor that influences the occurrence of premature ruptured amniotic fluid with multivariate regression results obtained $p \approx 0.000 < 0.05$ and obtained OR = 3.608.

Maternal education is one of the causes of maternal death. Women with higher education tend to be more aware of the health of themselves and their families and are aware of nutrition and health checks during pregnancy. In addition, women with higher education will be better able to detect early danger during pregnancy. Another study also showed that women's formal education affects the use of maternal health services. In Theiland, maternal education greatly influences the use of health services. Mothers with higher education when suffering from premature rupture of membranes immediately come to health services because they know it can affect their health and their healthe [22].

Based on the description above, the researcher assumes that education affects the mindset of a mother. Although almost all of the mothers' ages in this study were of healthy reproductive age, namely, 20–35 years, this was inversely proportional to the education they received. Because education affects the meturity of the soul and mind of a mother to understand the importance of carrying out a pregnancy check regardless of the conditions that



befall her which also effects the learning process and consideration of the best decisions for their health and safety them and their bebies. The higher the education, the more positive sepects are obtained. This can minimize the occurrence of premature rupture of membranes in maternity and if a prelabor rupture of membranes occurre, the mother's coping is better when dealing with the condition then mothers who do not have high educated.

Based on Table 2, it can be known that the results of statistical tests of this data do not qualify for the Chi-square test so the alternative test is Fisher's exact test. The test results show p = 0.018 < 0.05. This proves that there is invitationable between fetal position abnormalities and the incidence of premeture rupture of membranes in women giving birth at Lamongan Regency. From the results of the OR energies, the value of OR = 3.525 (OR > 1), Ct. 1.321-9.409 means that respondents with normal fetal position experienced premature rupture of membranes 3.525 times greater than respondents with fetal position abnormalities experienced premature rupture of membranes.

in line with other studies (23) showed that there is a relationship between fetal abnormality and the incidence of prelation rupture of membrane (p < 0.05; OR = 0.942 [CI 95%; 1.139–42.325]). This means that mothers who experience fetal abnormalities are at risk of 6.942 times greater to experience premature ruptured amniotic fluid compared to mothers who do not experience fetal location abnormalities.

This study is also following other studies [24] that there is a relationship between malposition (malpresentation) of the fetus with the incidence of prelabor rupture of a membrane with $p = (0.019) \le 0.05$ and obtained the value of CR = 10.948 (CR > 1), CE 1.325-90.400 meaning that respondents with fetal malposition are at risk of developing premature rupture armiotic fluid. About 10.946 times greater than respondents who did not malposition the fetue experienced premature ruptured armiotic fluid.

In line with the previous research [22], it was shown that there was a significant association between malposition and shormality of fetal location and the incidence of prelation rupture of a menthrane with p=0.000<0.05 and obtained $OR=2.900\,(2.768-3.832)$. In malposition, the lowest positions of the fetus do not cover the birth canal, so there is no resistence to the armiotic membrane that causes the leaking of the armiotic membrane.

According to the researchers, pregnant women with fetal abnormalities can cause uterine pressure directly at the bottom of the uterus that will make the amniotic membrane rupture. In addition, there are at-risk ages, risky jobs, and uneducated mothers in pregnant women with fetal abnormalities in this study, so the chance of premature amniotic rupture is greater.

Based on Table 2. It can be seen that the results of the statistical test of this data do not meet

the requirements of the Chi-square test so that an alternative test is carried out, namely, the Fisher's exact test. The test results show $p = 0.334 \le 0.05$. This proves that there is no relationship between maternal age abnormalities and the incidence of prelabor rupture of membranes in women giving birth in Lamongan Regency. From the results of the OR analysis, the value of OR = 0.554 (OR \ge 1), Ct 0.178-1.722 means that respondents who are at risk for premature rupture of membranes are 0.554 times greater than respondents with age who are not at risk for prelabor rupture of membranes.

The study is in line with the previous research [25] mentioning that the frequency of prelabor rupture of mentioners mostly occurs at the age of 17-15 years (40.7%) showing statistical test results with p = 0.496 which means there is no significant association between maternal age and the incidence of prelabor rupture of nembranes.

The studies on other studies [26] also stated that there was no association between maternal age and the incidence of prelabor rupture of membrane based on the results of the Chi-square test obtained results $\rho = 0.503 \ge 0.05$.

Mothers who are <20-years-old can neuse problems in their reproductive organs this is because at that age is not yet fully formed, the ligaments that prevent the sterus have not functioned optimally and are not too strong so that the possibility of prelabor rupture of menthrane or other complications can occur. While at the age of the mother >35 years of pregnancy is usually followed by degenerative diseases such as high blood pressure or disbetes mothers. The degenerative disease will indirectly affect the process of pregnancy and childbirth of the mother and baby (27). Mother who has older age resulted in reduced ovum quality and can reduce the quality of offspring so that pregnancy in old age has a greater chance of complications, especially anniotic rupture early [28].

According to the researchers, the incidence of prelabor rupture of a membrane can occur both in mothers with risk ages (<20->35 years) and in pregnant women who are not at risk ages (20-35 years). It is influenced by the obstatric Tackground of different mothers. The results showed no significant association between age and the incidence of prelabor rupture of the membrane because the study was more influenced by occupation factor, fetal abnormalities position, and maternal education.

Conclusion

Based on the discussion above, the factors related to premeture nuplure of membranes are

occupation, education, maternal ege, and fetal position abnormalities. The recommunication from this study is to consider the influence of factors related to premoture rupture of membranes in pregnant women to minimize complications that may occur to the mother and beby, so health workers always by to improve the quality of melth services, especially antenestal care to detect factors sesociated with the occurrence of premoture rupture of membranes.

Ethical Approval

15

This research has been reviewed and received approval from the Health research ethics commission of Muhammadiyah Lamongan University with Number 117/ECREPIC-52/12/2020.

6 References

 Assets NE. Burke H, Girme F, Burke K, Burke YZ, Gebruhest Q. et al. Risk factors of premature rupture of membranes in public hospitals at Matche city, Tigray, a case control study. BMC Pregnancy Christiania. 2018;19(1):385. https://doi.org/10.1186/ s12284-018-9016-6

13 d:30200103

- Worldnein Y, Bitheriu S, Kerle S. Agelew E. Yfrune M. Determinents of premeture rupture of membrane in Southern Britopia, 2017: Case control study design. BMC Res Notes. 2018;17(1):927. https://doi.org/10.1186/s13104-018-e035-0 088/s907807200
- Addiss D, Meliće A, Biru B. Prevalence of prefarm premature rupture of membrane and its associated findors among pregnent women admitted in Debre Tator General Hospital. North Visat Ethiopia: Institutional-based cross-sectional study. Closes Ognecol Int. 2000;2000:e05e650. https://doi. org/10.7105/s0204605e650

(M) d:52506907

 Dans S, Maiik S, Senneen I, Kazi PA. Maternal morbidly and perinatel outcome in preterm premature rupture of membranes before 37 weeks gestation. Palk J Med Sci. 2014;30(3):628-6. https://doi.org/10.1256/ijggne.303.4853

[]#d:24948992

 Yu H, Wang X, Gao H, You Y, Xing A. Perinatel culcomes of pregnancies complicated by pretern premature aprium of the membranes before 34 weeks of gestation in a fartary center in China: A retrospective review. Bisect Trends. 2018;6(1):38-41. https://doi.org/10.8862/bst.2014.01088

PM4625787907

- Dayal B, Hong PL. Premature rupture of membranes. In: State 17 As. Treasure island, Fiz Stat Pends Publishing; 2021.
- Lamon SM, Venderhoeven JP. Eachenbech CA. Gravett MG. Whitiert RM. Syneagy and interactions enough tological pathways: leading to protom pre historrupture of membranes. Report Sci. 2014;21(10):1215-27. https://doi.org/10.1177/1033710114834838 PMd:22540039

- Lowing JG, Lengtong R, Mewengtong M. Overview of premature rupture at mio prof. Dr. R. D. Kandou manado. E-Cin. 2018;9(3):2741-4. Assillable from https://www.ejournal. unasstact/https://phpledinioferials/view9419 [Last accessed on 2021 Nov 17].
- Syenemi TI, Tendeen HM, Wenterfe JJ. Overview of the early ruptured annihito event (KPO) at Prof. Cr. R.D. Kando Slanado Hospital in 2018, Med Scope J MSJ. 2020;123;24-9. Available from https://www.ejournet.unext.sc.kd/index.php/meg/article/ view/27452 kshed 2021 Mov 171.
- Tiruye G, Shileraw K, Tura AK, Debella A, Musa A. Prevalence of premiture rupture of membrane and its associated factors among pregnent women in Ethiopis: A systematic review and mete-analysis. SAGE Open Med. 2021;9:1-9. https://doi. org/10.1777/20505121271053912

P\$8434733510

PMM:24570050

- Chen J, Kheili RA. Chapter tour-maints metalloproteinance. In normal pregnancy and precisangets. In: Khaili RA, editor. Progress in Motocular Biology and Translational Science. United States: Academic Press: 2017. p. 37-165. Available from: https:// www.sciencedrect.com/science/article/pti/S1877117517500509 [Lest accessed on 2007 Nov 04].
- Rohmewell M, Wijsperii Y. Immiolic rupture early at ungaren regional general hospital. HiGBIA J Public Health Res Dev. 2016;2(1):23-32.
- Merize A. Educational Relations den Socio-Economic Dengen Incidence of Anemia Prince ere Prognant Womenin Bps. T Yohen Way Helim Bender Lampung in 2015; 2016.
- Jecobus EH, Kindengen P, Walesangko EM. Analysis of tentors yang affect household powerly in North Bulescell. J Pembang Elion Keuang Drb. 2021; 10(3):66-103.
- Rahaya B, Sari AM. Descriptive study of causes of prelabour rupture of membrane (OPC) in Maternity mothers. J News. Middelery Indones. 2017;2(1):134-8.
- Suhainsi D. Protein PS9 as a field factor for pretabour rupture of membrane. Indones J Appl Sci. 2012;2(2):83-8. Available from: http://www.jumal.unperl.ac.id/jastesfoler/des/2738. [Last accessed on 2021 Nov 16].
- Mercer Bid. Premature replace of the membranes. In: Protocolsfor High-Fisic Programmes. New Jersey, United States: John Wiley & Sons, Utd. 2020, p. 461-74.
- De Gedovsky AD, Mailjanevich A, Senice MS, Berros PC, Misanda AE, Silvette MK. Socioeconomic inequality in pretern bidh in four Brazilian birth cohort studies. J Pediatr (No. J). 2018;94(1):15-22. https://doi.org/10.1016/j.jped.2017.02.005 PASG29572019
- Joseph K. Fahry J. Shenkartees K. Allen VM, O'Campo R. Dodds L. et al. Effects of socioeconomic position and clinical risk factors on apprisaneous and lateogenic pretern birth. BMC Pregnancy Childbirth. 2014;14(1):117. https://doi. org/10.1126/1477-2383-14-117
- Hastali H, Sudayess IP, Seimin J. Analysis of risk Solons for prelabour rupture of membranes at arismos general hospital. MEDULA. 2017;9(2):286-72. Available from: http://www.cjs. uho.so.id/index.php/ineduia/article/sissi2563 [Last accessed on 2021 Mor 10].
- Maryuri M. Kumissin D. Risk factors of gill mature rupture of membrane. Keepnes J Reservet Masy New Netl Public Health J. 2017;11(3):139-7.
- Walenderi E. Analysis of Rick Featons for Early Rupture of Americal Ruid in Childhith at Tugurejo Hospital Sensorang, Indonesia: UNIBAUS; 2016. Auditole from http://www.repository.unimus.ac.id2278 (Last accessed on 2021 Nov 17)
- 23. Murtanto 8, Hedi U, Purnomo W. Retational tip between maternal



- age, gravide and gestational age with premature rupture of premiums in addressent programmy, Indian J Poremic Med Toutost, 2019;13:795.
- Parille, Maternily Nursing Teaching Social in Accordance with Competency Standards (PLD) and Basic Competencies (CLD), Indonesia: Nathe Medica; 2014.
- Wulandari M, Ostaviani A, Febricol M. Factors related to early rupture amnicific events (CPD) in RSIA stiff (hadjah) makassar in 2019. J Kesshat Pomegranske Pelansonia. 2019;3(1):52-61.
- Maharrani T, Nugrahini EY. Relationship of Age, Parity with Premature Register of Membranes at Jagir Health Conter
- Sumbaya. J Penalt Kesehat Suara Forties J Health Res Forties Voice. 2017;3(2):102-6.
- Cavezon-Reing PA, Krauss MJ, Britmagel EL, Bonnestio K, Madden T, Cleen MA, et al. Maternal age and rick of labor and delivery complications. Matern Child Health J. 2015;19(6):1212-11. https://doi.org/10.1007/s10096-014-1624-7

PM:028366100

 Perjalien IIII, Tarigan AM. The characteristic relationship of materially mothers with aemiotic fluid broke early at Martin Frieto Hospital. A community midwile. Midwife Community. 2016;1(2):67-78.

Factors Related to Prelabor Rupture of Membrane among Maternity Mother

ORIGINALITY REPORT

13% SIMILARITY INDEX

10%
INTERNET SOURCES

12% PUBLICATIONS

6% STUDENT PAPERS

PRIMARY SOURCES

journal.unismuh.ac.id

Publication

1 %

Darmawati Darmawati, Tongku Siregar, Hajjul Kamil, Cut Husna, Teuku Tahlil. "Husband's Perception on Anemia among Pregnant Women based on Cultural Perspective: A Qualitative Study", Open Access Macedonian Journal of Medical Sciences, 2022

1 %

Submitted to Universitas Airlangga
Student Paper

1 %

Melkamu Enjamo, Amare Deribew, Selamawit Semagn, Moges Mareg. "Determinants of Premature Rupture of Membrane (PROM) Among Pregnant Women in Southern Ethiopia: A Case-Control Study", International Journal of Women's Health, 2022

1 %

Zahra Akbarian Rad, Shahla Yazdani, Mina Galeshi, Neda Eftekhari, Fatemeh Shafizadeh. "Maternal and Neonatal Outcomes in Cases of Premature Preterm Rupture of Membranes and the Effect of Latency Periods (Rupture of Membranes to Delivery) on Adverse Pregnancy Outcomes", Journal of Obstetrics, Gynecology and Cancer Research, 2022

bmcendocrdisord.biomedcentral.com
Internet Source

www.jurnal.syntaxliterate.co.id
Internet Source

Ani Margawati, Ahmad Syauqy, Aras Utami,
Annisa Hananingtyas, Charysa
Zaimatussoleha. "Anxiety among Pregnant
Women in Rural-Urban Area Indonesia during
the COVID-19 Pandemic in Semarang,
Indonesia", Open Access Macedonian Journal
of Medical Sciences, 2022
Publication

1 %

Wahyu Rima Agustin, Wahyuningsih Safitri, Dyan Kurniasari, Setiyawan Setiyawan, Atiek Murharyati, Rufaida Nur Fitriana. "Intradialytic Exercise on Changes in Blood Pressure in Chronic Kidney Failure Patients during Hemodialysis Therapy", Open Access Macedonian Journal of Medical Sciences, 2022 Lilis Maghfuroh, Diah Eko Martini, Heny Ekawati, Harnina Samantha Aisyah, Lilin Turlina. "The Impact of the COVID-19 Pandemic on Vaccination of Children Aged 0–12 Months in Indonesia", Open Access Macedonian Journal of Medical Sciences, 2022

1%

Made Bagus Dwi Aryana, I Gde Sastra Winata, William Alexander Setiawan. "Magnesium Sulphate and Nifedipine in Management of Preterm Premature Rupture of Membranes", European Journal of Medical and Health Sciences, 2022

1%

- Publication
- Saadia Ghafoor. "Review of Prelabor Rupture of the Membranes: Pathophysiologic Concepts and Novel Therapeutic Strategies", Current Women s Health Reviews, 2021

1 %

Thaísa de Souza Lima, Flávia Mariane Pagani, Carolina Bianchini Borges, Caetano Galvão Petrini et al. "Association between antibiotic prophylaxis and adverse perinatal outcomes in premature rupture of membranes", Revista da Associação Médica Brasileira, 2023

%

Exclude quotes On

Publication

Exclude matches

< 1%

Exclude bibliography Off