

## ***The Influence Of Emotional And Social Support Of Comrade Integrity Level Of Depression In Women Breast Cancer Patients At The Hospital Dr. General Pirngadi Medan 2014***

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**Abstract**—In general, there are three form of emotional response emerging in the patients with dangerous diseases like cancer such as rejection, anxiety and depression. Depression disorder in the patient with cancer is one of the mental disorder that most frequently occurs. The breast cancer patients need social support from the people surrounding them to alleviate their stress. The purpose of this quantitative study with cross-sectional approach conducted from May to June 2014 was to analyze the comrade support on the level of depression in the women breast cancer patients at dr. Pirngadi General Hospital Medan in 2014. The population was all of the women breast cancer patients who became in-patient and out-patient at dr. Pirngadi General Hospital Medan in 2014 and 68 of them were selected to be the samples for this study through consecutive sampling technique. The data obtained were analyzed through Chi-square test and multiple logistic regression tests. The results of this study showed that 8.8% of the breast cancer patients did not experience depression, 72.1% experienced mild depression, and 19.1% experienced medium depression. Emotional support ( $p=0.045$ ), and social integrity support ( $p=0.009$ ) had influence on the level of depression. The most influencing support was social integrity support. The women receiving good social integrity support was 11.270 times as likely to experience mild depression no depression compared to the women receiving poor social integrity support from their comrade The breast cancer patients are suggested to be much closer to their comrade that they can receive social integrity and emotional supports. The health workers need to know the level of depression, patient with medium category of depression are suggested to be handled by a Psychiatrist.

Keywords: *Comrade, Depression, Breast Cancer patient*

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### **INTRODUCTION**

Depression is one kind of mental disorder which most common happend. Prevalence of depression in world is 3-8 is on fourth worlds diseases. Estimated in 2020, depression sufferer will be increase to be second world disease. (Departemen Kesehatan, 2007)

There are 58 patient (87,9%) with depresif syndrome which majority of them are in middle depression (42,4%), then low depression (19,7%) and minimal (12,1%) from 66 breast cancer patient in Haji Adam Malik Medan Hospital, Haji Medan Hospital dan PTN Tembakau Deli. The common reaction which appear from breast cancer patient after diagnosed are shock, refusing, anxiety, frightened and depression because patient will think everything will change and there is no future anymore. For women, breast cancer is a killer and it

will broke women's felling because of high risk for loosing breast. (Amin, 2008)

Those description inform that breast cancer is a phisycal disease while depression is a mental disease but both of them could appear at the same time. Depression could appear as a primer disease or as a sekunder disease usually we call by accompaying diasese. (Beck, Steer, & Brown, 1996) This disturbance is not only appear based on social aspect but also in phisycal, cognition and motivation. Depression could delay curing process even make it worse. (Rees, 2004) Therefore, basically breast cancer patients need a psichological treatment and social intervention to decrease mental burden or depression. We could make a psichological treatment by giving a social support for the breast cancer patients.

As a social creatures, human cannot live alone without other helps. Moreover if human facing a problems, easy or complicated problem, human

needs others to helps. In this situation human will looking for someone in his environment for social support to be beloved, appreciated, to be payed. For example, it is the common sample that we always found, if somenone is sick and have to get treatment in hospital, several people perhaps family or friend will come to visit. With visit, patient will get a social support. Sosial support could come from friends, comrades, family, doctor, psicholog or pschiater. (Barbieri, 2004) Social support sources could come from person who had relationship with the individuals such as family, comrade, couple, partner, neihgbour, and other family. (Benyamini, Kokia, & Gozlan, 2004) This theory is supported by moga theory that said social supprort could come from family, closefriends and comrades. (Monga, et al., 2004)

Preliminary survey was doing in RSUD DR. Pirngadi Medan on 20th January 2014 in room IX, from 3 breast cancer patients, 2 of them said got sosial support from their comrade. Their comrade giving direct helps when they need, lend money for go to hospital, accompany them to go to hospital, trying to calm patients, helping to looking for breast cancer alternatif medicine, and another patient said she did not got sosial support from her friends in curing process, and she assume she got breast cancer disease because of black magic.

Several cancer patient social support research showed there is a positive correlation between social support with level of depression. Diestika in 2010 showed there is a positive correlation between social support with level of depression of servics cancer patient. Social support should be given to servics cancer patient so they will feel accepted, payed, appreciated, feeling safe, and it is easier for them to facing adversity in their curing process. Based on those research this study expect there is a influence of emotional support and integrity social of the comrade on the level of depression in women breast cancer patient. (Diestika, 2010)

**RESEARCH METHOD**

This study is a quantitative research with *cross sectional survey* approach. This study located in first floor of Onkology polyclinic and fourth floor of grade III inpatient room of Dr.Pirngadi Medan Hospital. Population is all women with breast cancer disease in inpatient unit of Dr.Pirngadi Medan Hospital in 2014. The number of sample is about 68 sample using *Consecutive Samping*. Data was

analyzed by using *Chi- Square* test and *Multiple Reggression Logistic* test.

**RESULT AND DISCUSSION**

**A. Respondent Characteristics Distribution**

The number of respondent in this study is about 68 women aged 32-57 years. Respondent characteristics included, education and occupation. This study result showed majority of respondent are in aged 41-49 years 36 respondent (52,9%). Majority of respondent are Senior High School graduated 34 women (50,0%) and majority of respondent are housewives 43 respondent (63,2%).

Table 1 Respondent Characteristis Distributions

<b>Respondent Characteristics</b>	<b>N</b>	<b>%</b>
<b>age (year)</b>		
32-40	18	26,5
41-49	36	52,9
50-58	14	20,6
<b>Education</b>		
Elementary	4	5,9
Junir High School	14	20,6
Senior High School	34	50,0
Bachelor	16	23,5
<b>Occupation</b>		
Housewives	43	63,2
Entrepreneur	14	20,6
Goverement Employees	10	14,7
Taylor	1	1,5

**B. Variable Frecuency Distributions**

Depression is a mood disturbance that showing hopeless, broken hearted, powerlessness, unable to make decision in a activity, unable to concentrate, did not have a passion and last trying to suicide.

When a doctor diagnose someone and said his patient got a dangeous disease like cancer commonly there will be three emotional respond will appear that is resusal, anxiety, and depression in this condition its really hard for patient to accept it. Cancer curing will causing continiously stress so it will influences not only phisicaly but psichologic of patients too.

Table 1 showed mild depression on breast cancer patient is about 19,1%, low depression is about 72,1% and not depression about 8,8%. They did not have an idea to got suicide, and had not felt discouraged about their future, and they did not felt failed, it is happened because there is emotional support and integrity support from comrade, who roles as social supporters.

Respondent's social support and social integrity support measures are good emotional support (77,9%) and good social integrity support (67,6%).

Table 2. Variables Frequency Distributions

No	Variable	N	%
<b>Dependent Variables</b>			
1	Depression		
	Not Depression	6	8,8

Table 2, cont.

	Mild	49	72,1
	Medium	13	19,1
<b>Independent Variables</b>			
2	Emotional Support		
	Not Good	15	22,1
	Good	53	77,9
3	Social integrity Support		
	Not Good	22	32,4
	Good	46	67,6

**C. Correlation of Emotional Suport and Social integrity Support on Depression**

This study using *Chi-Square* test, and showed there is a correlation of emotional support and social integrity support of level of depression in women with breast cancer disease with *p-value* <0,001 in both of them.

Table 3. The Correlation of Emotional Suport and Social integrity Support on Depression

Variables	Depression				Total		P
	Medium		Mild + Not Depression		n	%	
	n	%	n	%			
<b>Emotional Support</b>							
Not Good	9	60,0	6	40,0	15	100,0	< 0,001
Good	4	7,5	49	92,5	53	100,0	
<b>Social Integrity Support</b>							
Good	10	45,5	12	54,5	22	100,0	< 0,001
Not Good	3	6,5	43	93,5	46	100,0	

**D. Influences of Emotional Suport and Social integrity Support on Depression in women with breast cancer in Dr. Pirngadi Medan Hospital in 2014**

To analyze the influence of emotional support and social integrity support of the comrade on the level of depression in women breast cancer patients at the hospital Dr. General Pirngadi Medan Hospital in 2014 used *Multiple Regression Logistic* test with *Backward LR* methods. Based on bivariat analysis emotional supports and social integrity supports

variables could get into multivariate predictions models because of *p-value*<0,25.

From last selection, both of variables have influences on breast cancer patient level of depression. To looking for a strongest influences factor, table 4 showed highest of Exp (B) that is social integrity support with Exp (B) 11,270. It is conclude that women who got better social integrity support is have 11,720 times possibility to get mild depression or not anymore than women without getting social integrity support which mean social integrity support had influence in it.

Table 4. Influence of Emotional and Social Integrity support of the Comrade on the level of Depression

Variable	B	P	Exp (B)	95% CI
Emotional Support	1,760	0,045	5,814	1,041-32,488
Social Integrity Support	2,422	0,009	11,270	1,847-68,763
Constant	-1,742	-	-	

Based on double regression logistic test, emotional support on level of depression with probability value ( $p= 0,045$ ) and Exp (B) 5,814 which showing women with breast cancer who got better emotional support is 5,814 times have chance to get mild depression or not depression more than women with breast cancer without getting good emotional support.

Study results obtained from respondent statement, comrade roles in giving emotional support are majority motivate patients to search for alternative medicine for breast cancer disease, this roles showed accepted supports giving patient relieve feeling, be beloved, appreciated and accepted by patients.

Those result in suitable with research by Sinding in 2003, there is an influence of advice from family and close friends with breast cancer patient feeling and hope in facing reality and to keep going fight for their curing process. (Sinding, 2003)

Based on double regression logistic test in social integrity support on level of depression variables obtained probability value ( $p=0,009$ ) with number of influence Exp (B) 11,270 which means women who got better social integrity support are 11,270 times have chance to get into mild depression level or not depression more than women who got not good support.

Study results obtained from women in breast cancer patient statement, comrade role in giving social integrity support are majority inviting patient to participated in religion event in their neighbour and inviting them in regular social gathering. Comrade role showed caring to inviting patient in social event as social supporting to decrease anxiety, stress and depression from the patient who felt hopeless and stress.

Weiss (on Lubis 2009) revealed this kind of social support could make a cancer patient feel they have a community to sharing and doing creative activity together. This social support source had possibility to make breast cancer feeling comfort and safety. (Lubis & Hasnida, 2009)

It is quite suitable with Lubis research in (2011), social support community could give a good message especially in behavioral development on self respect. It also can decrease indecision, anxiety, frightening and others, because patient already accept their condition and live happily. (Lubis & Othman, 2011)

### CONCLUSION

Level of depression in 68 women with breast cancer in Dr. Pirngadi Medan Hospital; not depression 8 respondent (8.8%), mild depression 49 respondent (72,1%) and medium depression 13 respondent (19,1%). Low Depression / not depression are majority happened in women who had good support from comrade. Comrade support that had influence to level of depression are emotional support with ( $p=0,045$ ) and social integrity support from comrade with ( $p=0,009$ ). The majority of emotional support are friend's support on looking for alternative medicine (92,6%), majority of informational supported are giving advice and help patient to find solution and help in making decision (72,1%) and comrade roles as integrity social support inviting patient in religion event (76,5%). Social integrity support is a strongest influences than others variables factor that impact level of depression on women with breast cancer disease. Women with good integrity social is had chance 11,270 times to get into mild depression or not depression more than women who had not got supported by they friend's.

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