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저자 (Authors)	Young-sun Rhee, Jeong-hwan Park, Sesira Kim
출처 (Source)	<a href="#">한국간호과학회 학술대회</a> , 2019.10, 187-187(1 pages)
발행처 (Publisher)	<a href="#">한국간호과학회</a> Korean Society of Nursing Science
URL	<a href="http://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE09232704">http://www.dbpia.co.kr/journal/articleDetail?nodeId=NODE09232704</a>
APA Style	Young-sun Rhee, Jeong-hwan Park, Sesira Kim (2019). Financial Side Effects Variables Affecting Quality of Life in Cancer Patients. 한국간호과학회 학술대회, 187-187
이용정보 (Accessed)	이화여자대학교 203.255.***.68 2020/05/18 03:56 (KST)

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## Financial Side Effects Variables Affecting Quality of Life in Cancer Patients

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**Aims:** Previous researches have shown that financial problems arising from cancer affect patient's quality of life. However, there are many kinds of financial problems caused by cancer. This study attempts to identify variables of financial side effects that affect cancer patient's quality of life.

**Methods:** We did convenience sampling and analyzed 422 questionnaires completed by cancer patients who undergoing inpatient or outpatient treatment at hospitals in Jeonnam and Gwangju. The dependent variable assessed the quality of life on the Fact-G scale, and the independent variables constituted the dimension-specific variables through theoretical review. Demographic sociological factors (gender, age, marital status, religion, occupational change, etc.), medical factors (recurrence, chemotherapy, cancer stage, carcinoma, etc.), decision-making related factors (who make treatment decisions, who pays for medical expenses, etc.), and financial side effects factors (13 questions derived from meaningful results of previous studies) were included. First, we found the significant factors for each dimension by univariate analysis (t-test, Anova) and then reconstructed the variables into dummy variables according to the post-hoc-test results. Final model was created by combining the significant factors in each dimension, and the explanatory power of the model and the influence of the significant variables were verified (multiple regression analysis).

**Results:** The explanatory power of the model, R square, is 0.316( $p < .000$ ) and the significant factors for QOL of cancer patient in the final model are 'I make treatment decisions(Beta: 0.109,  $p < 0.01$ )', 'Recurring experience(beta:  $-0.089$ ,  $p < .05$ )', 'Having frustrated feeling that I can't work or help as usual(Beta:  $-0.320$ ,  $p < .000$ )', 'Having thought that my finances are well managed (Beta: 0.138,  $p < .01$ )', 'Having burden on cancer treatment costs(Beta:  $-0.182$ ,  $p < .000$ ). 'satisfaction with communication with the medical staff about the cost of treatment(Beta: 0.109,  $p < .05$ )'.

**Conclusion:** It is expected to be the basic data for follow-up studies on the financial toxicity of cancer treatment, clinical intervention for cancer patients, and policy development.

**Keywords:** Financial Side Effects/ Quality of Life / Cancer patient / Financial toxicity of cancer