Introduction: severe pain and undesirable conceptions related to cancer diagnosis and treatment, cause to concerns for adolescents and their families. Because Stress decrease immune system, procedure of cancer treatment was been difficult. Objectives: This study aimed to identify social and psychological stressors in adolescents (girls& boys) with cancer. Method: participants were Adolescents with cancer in treatment centers in Tehran. Using voluntary sample do semi-structured interviews with 70 adolescents with cancer and their families. Results: Data were analyzed by Friedman statistic tool, that findings indicated: Adolescents with cancer experience psychological stressors “anxiety treatment, guilt feeling for making trouble for others, concerning for changing gesture, concerning for occurring financial issues for family, restrictions of disease, no having fun, bored” and social stressors involved concerns such as ”parting from friends and losing them, separation from family, back warded from school and contact to hospitalized children. Also, findings showed that there isn’t significant difference between stressors in girls and boys adolescents. Conclusion: The results of research provide some evidence to suggest that “anxiety of treatment procedure and guilt feeling” make severer stress, because mistake information of adolescents about cancer treatment procedure, and “loss of hair and change of gesture” is stressor for changing in social behavior. In social dimension, because “non-communication with friends, others perception to cancer and respect to school” make more stress in adolescents.

Keywords: psychological stressors, social stressors, Cancer