CLINICAL STUDY

Psychosocial support needs of Slovak breast cancer survivors one and three years after breast conserving surgery

Bencova V¹, Krajcovicova I¹, Bella V², Krcmery V³

¹Ist Clinic of Oncology, Faculty of Medicine, Comenius University, Bratislava, Slovakia.
²St. Elisabeth Institute of Oncology, Bratislava, Slovakia, ³St. Elisabeth University of Health and Social Sciences, Bratislava, Slovakia

Abstract: Objective: To assess psychosocial support needs among Slovak breast cancer survivors treated by breast conserving surgery.

Methods: Patients responded the EORTC QLQ 30.3 questionnaire and the self-elaborated BCPN (Breast Cancer Psychosocial Needs) questionnaire one and three years after breast conserving surgery (BSC) and modified radical mastectomy (MRM).

Results: Assessment of psychosocial distress related to breast cancer treatment has shown a remarkable time-realised increase in scores of emotional distress symptoms among breast cancer patients treated with breast-conserving surgery. Analysis of psychosocial support needs of these patients has shown, that a substantial part of breast cancer survivors are feeling inadequately beneficial psychosocial support from health care providers (informational support), social oncology workers, and psychologists (emotional support). Insufficient targeted psychosocial support involved individual as well as group intervention (provided by breast cancer patients surviving the disease for long time).

Conclusion: Unmet psychosocial needs from health care providers has been perceived as a major factor harming patients ability to cope with the disease and to maintain their family, marital and social functioning (Tab. 2, Fig. 1, Ref. 22). Full Text in PDF www.elis.sk.

Key words: breast cancer, psychosocial distress, quality of life, unmet needs in psychosocial support.

Like in other European countries, breast cancer patients represent the major group of cancer survivors in the Slovak Republic. Within the 5.6 million population, more than 2000 patients with newly diagnosed and treated breast cancer will each year enlarge the number of survivors suffering from the disease and its aggressive treatment. As the rate of early stage breast tumors treated by curative breast conserving surgery (BCS) and radiotherapy is constantly raising, and the five years survival is reaching 65% (1), there is an urgent need to provide these patients with long-term care, which is generally focused to clinical issues including treatment outcome, treatment complications, disease-free interval, and survival rate. Much less attention is paided to the psychosocial burden related to breast cancer diagnosis and treatment. Overall emotional disorder expressed by enhanced anxiety and depression, body image disruption, disorders in family, sexual and social functioning, hopelessness and frustration - symptoms negatively influencing the health-related quality of life of breast cancer survivors – are frequently underestimated (2).

In the last three decades vast evidence have been accumulated demonstrating that women experiencing breast cancer are emotionally affected long after diagnosis and treatment, mainly due to concerns about cancer recurrence, fatigue, body image disruption, sexual functioning, and anxiety from repeated checkups (3–6). Fallowfield and coworkers (7), Ganz and coworkers (4) and others showed that besides mastectomized patients, early stage breast cancer patients treated with breast conserving surgery are suffering from anxiety-depressive syndrome years after the treatment termination. The long-term persistence of these symptoms over months and years require professional targeted psychosocial intervention (8).

The present study was aimed at assessing the extent of psychosocial burden on the health-related quality of life of Slovak breast cancer survivors one and three years after BCS and modified radical mastectomy (MRM) followed by adjuvant radiotherapy. Along with the quality of life assessment, psychosocial intervention and support needs of these patients was investigated and statistically evaluated.

Material and methods

Patients

127 breast cancer treated patients, aged 34–78 years (± 44 years), attending the outpatient mammography unit between 2006–2010 years for regular inspection were recruited into the study. From those, 81 patients previously treated for early-stage breast cancer (T1-T2a) by BCS, and 46 patients with advanced cancer (T2b-T3) treated by MRM were included. Only relapse-free patients without clinical symptoms of disease progression and severe comorbidity and surviving minimum three years post...
surgery were eligible. The inclusion criteria included the entire participation in the survey and full completion of the questionnaires. The health-related quality of life, psychosocial morbidity, social status and unmet needs for psychosocial intervention and support were investigated in both groups of breast cancer survivors one year (+3.4 months) and three years (+4.5 months) after surgery by means of EORTC quality of life and BCPN psychosocial support need questionnaires. The results were statistically evaluated by means of the Excell Functions software program.

**Quality of life and psychosocial status assessment**

Psychosocial distress and quality of life of breast cancer survivors was tested by means of standardized European Organiza-
used to weigh the psychosocial morbidity symptomatology and needs of psychosocial support. The results were recalculated and statistically evaluated according to the EORTC QLQ evaluation manual (10). Although the validity of the BCPN questionnaire was not yet internationally evaluated, its reliability index (Cronbach’s alpha) in this study was 0.82.

Results

Time-related difference of health-related quality of life in breast cancer survivors after BCS.

The health-related QoL of breast cancer survivors one and three years after BCS versus MRM is presented in Table 1. Using the 1–7 linear scale (very poor – excellent, QLQ-C30.3, item 29), the survey showed that one year after BCS breast cancer survivors scored rather low and uniformly with those being after MRM (2–4 „poor – rather poor“). However, clear differences in scoring among patients surviving from BCS three years after surgery were observed (Fig. 1). In comparison with patients surviving one year after BCS, almost 70 % patients surviving three years after BCS scored considerably higher between 4–5 (rather good – good) providing improvement in their quality of life. In comparison, great majority of patients surviving three years after MRM reported their quality of life low. Despite the fact that the BCS-treated breast cancer patients survived three years after surgery without any sign of tumor recurrence, at least 30 % survivors from this group of patients considered their health-related quality of life as poor. It is to note, that none of the BCS-treated breast cancer survivors considered their quality of life to be excellent.

Psychosocial support needs of BCS-treated breast cancer survivors

By answering the BCPN questionnaire (Tab. 2) a great number of responders reported an inadequate information support from health care providers. The BCS-treated breast cancer survivors would expect more information about the disease and its treatment, the treatment outcomes and patient’s perspective. Moreover, more emotional support is expected from psychosocial workers and psychologists in helping patients to diminish disease- and treatment-associated distress, to improve marital and family relations and their social well-being. Unaddressed psychosocial problems involved the lack of mediated talk about patient’s sorrow with patient’s husband and family members as well as an organized discussion with breast cancer patients surviving long time after treatment of the very same disease.

Discussion

Emotional distress related to diagnosis and treatment of breast cancer may have profound negative consequences onto patient’s ability to cope with the disease, to adhere to the treatment regimes, to engage in steps improving role functioning and social well-being (12). Although the psychosocial dimension of cancer is well documented (13–16) the oncological social work profession’s commitment to support coping capabilities and to eliminate health disparities of cancer survivors and their family members did not find substantial attention and support among health care providers (17–19) Moreover, the urgent need to identify psychosocial stressors influencing quality of life of cancer survivors, their families and members of the patient’s social network along with the need to provide patients with psychosocial intervention and treatment was until today not recognized as a factor influencing coping capabilities, treatment outcome, survival time and health-related quality of life of cancer patients (2, 5, 19, 20). According to the US gover-
ment report, issued by the NIH Institute of Medicine (IOM, 2008), the tendency to analyze, evaluate, and eliminate psychological health needs of cancer patients is the exception rather than the rule in clinical oncology. According to the report, health care providers fail to recognize and understand psychosocial needs of cancer patients and their family members. Based on recommendation indicating that meeting psychosocial needs of the cancer patient should be an integral part of cancer care, research became funded that is focused on developing performance measures for psychosocial cancer care. In the last years, the psychosocial support care became a part of cancer treatment especially in western countries.

In comparison to USA, Australia, and the majority of EU member States, Slovakia lag behind in the psychosocial care of indoor and outdoor cancer patients and their social framework, although some non-governmental organisations (Anticancer League) are putting much effort in order to improve the contemporary situation. It is to emphasize, that overloading of health care providers with clinical work, short clinic visits, insufficient financing and gaps in professional health care education do not allow them to explore cancer patients emotional concerns related to the disease and its outcome (19, 20). This survey brought additional information indicating that nearly 30 % of Slovak early-stage breast cancer patients previously treated by breast-conserving surgery indicate unmet needs of psychosocial intervention, preferably in the informational and emotional support even three years after the treatment was terminated. These findings imply that besides recovery from the treatment, psychosocial distress, harming the coping capability and quality of life, may persist or even accelerate in breast cancer survivors long after the treatment was terminated. Serious shortcomings in the recognition of psychosocial burden of cancer survivors and insufficient psychosocial intervention may negatively influence long-term clinical outcomes and the overall survival time (21, 22). The results of this study can be regarded as an useful signal in prompting health care providers to pay more attention to psychosocial supportive care of breast cancer survivors.

References


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