Effect of Shock Therapies on Quality of Life
Şok Tedavisinin Yaşam Kalitesine Etkisi

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The implantable cardioverter defibrillators (ICDs) are highly effective and life saving in the treatment of individuals who are at high risk of lethal ventricular arrhythmias and sudden cardiac death. Initially, ICDs were implanted to sudden death survivors for secondary prevention (1). After primary prevention trials (2-4), implantation of ICDs has become very common for patients who never experienced sudden cardiac death or hemodynamic compromise due to ventricular arrhythmias.

Despite ICDs reduce mortality for high risk individuals, many patients receive ICDs for insurance only, and many of them has never require ICD therapy during their life. In spite of being a life saving device, implantation of ICD brings out psychological disorders and social limitations to the recipients. ICD implantation has been shown to impact adversely on quality of life (QoL) and sporadic shocks were found to be associated with reduced QoL in ICD recipients (5-7).

My previous group studied depression and anxiety in Turkish ICD recipients and indicated presence of depression and anxiety in nearly half of the patients with ICD in 2006 (8). As ICD shocks reduces QoL and increases mortality, ICD programming strategies has been widely changed over ten years to reduce inappropriate shocks (9-10). And also prophylactic catheter ablation of ventricular arrhythmias causing ICD firing has been more often used (11).

After ten years of publication of depression and anxiety status study for Turkish patients, in this issue of Kocaeli Medical Journal, Dr. Bozyel and co-workers studied the effects of shock therapies on health related quality of life in 217 patients with ICDs (12). This study was performed in a new shock reducing programming and VT ablation era, and important with its national data on QoL. QoL analysis maybe affected by several factors and should be validated for each cohort and each nation.

In their study ICD shocks were associated with impaired health related QoL.

I think this study may light a way for future national ICD registries focusing on QoL analysis, and development of educational programs for ICD recipients on all possible risks and benefits, including transitory declines in QoL after ICD shocks in our country.

REFERENCES


11. Influence of clinical and procedural predictors on ventricular tachycardia ablation outcomes: an analysis from the substrate mapping and ablation in Sinus Rhythm to Halt Ventricular Tachycardia Trial (SMASH-VT).