

The Role of Clinical Pharmacist Intervention in Collaborative Drug Therapy Management to Improve Outcomes and Decrease Hospitalization in Heart Failure Clinic

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Abstract : Pharmacists play an important role in the CDTM in the care of patients with heart failure (HF). CDTM allows specialized, dedicated clinical pharmacists in a formal agreement in collaborative practice with physicians. Thus, the aim of this study is to investigate the role of cardiology clinical pharmacists in CDTM in decreasing hospitalization and cost. We studied patients with left ventricular systolic dysfunction in a cluster-randomized selection in a tertiary care center. We allocated 296 patients to pharmacist intervention from 1480 patients. Results: With an acceptance rate of 86%, we documented 696 interventions carried out by clinical pharmacists in cardiology. The average intervention was 2.4 patients, and the admission after interventions decreased from 0.79 to 0.24 (p value = 0.001). Conclusions: In HF CDTM, clinical pharmacists play a crucial role in enhancing medication management, patient education, and lifestyle modification of patients with chronic heart failure. These efforts improve patients' outcomes and lower costs by reducing hospitalization and other associated expenses.

Keywords : cardiology, medication management, heart failure, outpatient therapy, pharmacist-based services, chronic heart failure, heart failure recommendations, CDTM, Middle East, pharmacist-based services, quality of life, pharmacist

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