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IMPLEMENTATION AND EVALUATION ON HIERARCHICAL MEDICAL SYSTEM OF HYPERTENSION AND DIABETES IN FUTIAN, CHINA

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Background: China is setting up a hierarchical medical system to solve the problems of biased resource allocation and high patient flows to large hospitals. However, it is in its early phase, and the overall effect is dissatisfied.

Objective: This study aimed to implement the hierarchical medical system of hypertension and diabetes in Futian, China, and evaluate the effect.

Methods: To establish the hierarchical medical system of hypertension and diabetes by series of measures: building regional medical association, promulgating hierarchical medical programme, taking the Futian hospital for prevention and treatment of chronic disease as the bridge, setting up a discipline alliance, enhancing the ability of health care, modifying two-way referral service process, information construction, and evaluated the overall effect of the hierarchical medical system.

Results: Hierarchical medical system of hypertension and diabetes in Futian has been established successfully since June 2016. The evaluation shown that the hierarchical medical system was running well, the priority registration, priority admission, priority examination, priority hospitalization service for the patients were implemented, and collaboration between general practitioners and specialists were significantly improved. The number of patients with hypertension and diabetes attending community health center increased by 18.2% and 26.9% compared with the same period before implementation of hierarchical medical

system. The increment speed of standardized management for hypertension and diabetes patients were more than 3 times and 2.18 times compared with the same period before implementation of hierarchical medical system. There was 3057 patients' referral to the community health center from hospital, while there was no patients' referral to the community health center before June 2016.

Conclusion: The hierarchical medical system of hypertension and diabetes in Futian, China is satisfactory, which is a first and high quality model of hierarchical medical system in Shenzhen, and is worth extending to other place in China.

Biography

Dr. Wenru Chen is the director and doctor of Futian hospital for prevention and treatment of chronic disease, Shenzhen, China. His research interests now are related to the chronic diseases management and health policy. He has engaged in several research projects and published more than 20 papers on lifestyle behavior change, chronic diseases management and hierarchical medical system.

Dr. Hongwei Dong has been Graduated from China medical university and received the Ph.D degree of surgery. He had worked as surgeon at affiliated Hospital of China Medical University for many years, as vice president of the hospital at Shenyang, China, and joined Shenyang First Aid Center as the director. He is currently director of Health and family planning bureau of Futian, Shenzhen, China.

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