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Enhancing the Quality of Follow-Up Care for Patients with Hepatitis B and C Using an **Electronic Reminder System: A 2016-2019 Hospital-Based Study**

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Abstract

Patients with hepatitis B and C require regular follow-up to monitor disease activity and screen for the presence of hepatocellular carcinoma. Since 2010, Changhua Christian Hospital has implemented a hepatitis B and C care plan guided by the National Health Insurance Administration (NHIA), Ministry of Health and Welfare (MOHW). The rates of patient enrollment and follow-up between 2010 and 2016 were unsatisfactory. The annual enrollment and follow-up rates were only 14.6% and 28.8%, respectively, in 2016, falling below the three quality indicator standards established by the NHIA. The absence of insight into patient disease and the complexity of patient enrollment and follow-up procedures were identified as the main problems. Therefore, in 2017, we developed a strategy for improving and simplifying the patient enrollment process, enhancing the efficiency of the case managers involved in patient enrollment and follow-up, and increasing the rate of medical compliance. An electronic follow-up reminder system was implemented to enhance our quality of care among patients with hepatitis B and C. Thus, in 2019, the annual enrollment and follow-up rates had dramatically increased to 58.91% (4542/7710) and 74.45% (3107/4173), respectively. Because of the improved care management system, our hospital was the only medical center in central Taiwan that won an NHI Quality Award in 2018.

Keywords: electronic follow-up reminder system, hepatitis B and C, quality of care

E管系統提升B、C肝病人追蹤照護品質

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摘要

B、C型肝炎病人需要定期追蹤疾病發展狀況,以及早發現肝癌。彰化基督教醫院胃腸肝膽科於2010年開始 實行衛生福利部中央健康保險署(下稱健保署)追蹤照護計畫,過程中因病人病識感低,以及門診收案及 追蹤流程複雜,截至2016年收案率14.6%、年度完整追蹤率28.8%,皆未達健保署設定的3項品質獎勵監測 指標。透過E化之B、C肝照護管理系統,改善並簡化門診收案流程,提升個案管理師收案追蹤效率及提高 病人遵從醫囑率,大幅提升了B、C肝病人照護品質。於2017年開始執行E化追蹤管理,2019年收案率提升 至58.91%(4542/7710), 年度完整追蹤率達74.45%(3107/4173)。健保署評比2018年度品質獎勵榮獲中區第一 名,本院是中區唯一獲得品質獎勵之醫學中心。

關鍵詞:E管系統、B、C肝、照護品質