Establishment and Operation of Peripherally Inserted Central Catheters Maintenance Network in Zhong Shan^[1]

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Introduction To provide local maintenance for Peripherally Inserted Central Catheters (PICC) patients and reduce the incidence of complications.

Method Assembled the PICC maintenance expert panel in Zhong Shan, set up a maintenance network and provided training for local nurses and liaisons for PICC patients. Retrospectively analyzed the incidence of PICC associated complications, satisfaction of patients attended to PICC clinic using an evaluation scale and assessment of nurses in PICC related nursing skills and knowledge by clinical operation exam and theory exam in 2010 and 2014.

$p<0.001$). The average PICC associated clinical skills assessment score for healthcare providers raised from 78.8 to 89.7 and theory examination score raised from 83.5 to 96.7.

Comparison of Number of Complication Cases Between 2010 and 2014

Results 210 cases before the network was built and 305 after that were included. Incidence of PICC associated complications decreased from 6.8% to 1.6% in 4 years. All the aspects including patients' satisfaction, traffic burden, service process and attitude towards patients were improved by the establishment and operation of the network, leading to a significant boost of overall patient experience scores (from 210 to 305,

Discussion & Conclusion The expert panel and maintenance network are beneficial to PICC patients and a booster for safe and spread usage of PICC in Zhong Shan.

[1]陈影洁,黄剑施,简黎,陈春贤,梁义,贺婷.中山市PICC维护网的建立与实施[J]. 护理学报,2015,22(23):30-33.