

## Evaluating of Effectiveness on Multidisciplinary Team Model in Myeloid Neoplasm

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**Purpose:** Myeloid Neoplasm has the highest prevalence of hematologic malignancy in Taiwan. The core function of a multidisciplinary team (MDT) is to bring together a group of healthcare professionals from different fields in order to determine patients' treatment plans. This study examines and evaluates the effect that adopting a MDT model has on the care and survival rates of myeloid neoplasm patients.

**Methods:** In this retrospective study, 79 myeloid neoplasm patients were recruited between January 2015 and December 2021. The experimental group comprised 49 patients who had received care from a myeloid neoplasm "MDT". The team members comprised numerous professionals, including a physician, case manager, dietician, and social worker, who formulated the care plan and the patient treatment and care processes. The case manager coordinated the recruitment, liaison, and care plan implementation, and conducted disease education, telephone consultations, follow-ups, and evaluations. The control group comprised 36 myeloid neoplasm patients. The patients in the control group had similar characteristics to those in the experimental group, and received routine care.

**Results:** Adopting a "MDT" model in myeloid neoplasm care increased patient follow-up appointment compliance rates at 1 week, 1 month, and 3 months ( $p = .041$ ,  $p = .006$ ,  $p = .001$ ). The model also effectively reduced the patients' 14-day readmission rate. Furthermore, these improvements were statistically significant. The results also indicated that the survival rate for patients receiving care from the myeloid neoplasm. "MDT" was superior to that of the control group receiving traditional care.

**Conclusion:** Adopting a "MDT" model in myeloid neoplasm care effectively enhanced clinical treatment adherence, increased survival rates, and reduced the 14-day readmission rate. The results of this study may be valuable for medical institutions promoting a "MDT" model in myeloid neoplasm care, improve cancer patient care, and ultimately enhance the quality of health care.

### Biography

Pei-Hua Wu has her expertise in evaluation and passion in improving the cancer care and compassionate cancer case manager with over 15 years of experience in providing comprehensive support and guidance to individuals and families affected by cancer. Her open and contextual evaluation model based on responsive constructivists creates new pathways for improving cancer care. Her journey in oncology began during her undergraduate studies in Nursing at the University of ISHOU, where she developed a deep interest in oncology care. Her passion for helping individuals facing cancer diagnosis and treatment led her to pursue a specialization in oncology nursing. She obtained her Master's degree in Oncology Nursing from I-SHOU University, where she gained extensive knowledge and expertise in cancer care management.