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Factors influencing renal anaemia in patients with long-term haemodialysis

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The incidence and prevalence of end stage renal disease in Taiwan are ranked first in the world. Renal anaemia in chronic renal failure can be due to multiple causes. Resolving these controversies and thus providing more efficacious management of renal anaemia might reduce morbidity and mortality. Objectives of this study were to identify factors influencing renal anaemia in patients with long-term haemodialysis according to patient characteristics and to provide basic data to develop nursing interventions for renal anaemia in these patients. The study was designed by cross-sectional and the data were collected from the haemodialysis status and dialysis treatment parameters and biochemical profile under dialysis and nursing evaluation data of hospital chart. This study subjects were the cases of haemodialysis that treated by the region hospital centre of dialysis in southern Taiwan. Total cases were 104 in hospital and there were 99 case samples which recruited were fit in this research. Mean age was 62 (27-91) and male:female ratio was 45:54. The underlying diagnosis for CKD most commonly was diabetic nephropathy (45.5%) and chronic glomerulonephritis (22.2%). Findings from this study indicate that nursing professionals should provide proper management for renal anaemia for patients with long-term haemodialysis, as well as factors influencing renal anaemia, including erythropoietin, total bundle volume, anticoagulant, active clotting time and nutrition support. There is also a need for training programs for these patients and new staffs.

Biography

Jing Juin Huang is an Assistant Professor of Nursing at Chung Hwa University of Medical Technology. She is also an Executive Director at Formosan Association of Care and Education for the seniors in Taiwan. Primary areas of her research include women's health, long-term haemodialysis and long term care.

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