

Haemodialysis and peritoneal dialysis from nursing aspect. Difficulties and differences due to experience

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Introduction

Nephrological nurses have a significant role in treating patients with chronic kidney failure (CKD) disease. They are involved in renal care actively helping patients to choose the right treatment mode. Nephrological nurses are expected to perform patients' treatment, which means the practical implementation of both modalities such as haemodialysis (HD) and peritoneal dialysis (PD).

Objectives

To compare a series of complex nursing activities including patients' individualized treatment, education and psychical leadership to maintain the patients' quality of life.

Methods

A comparative descriptive study to evaluate daily workflows during HD and PD treatments, duration of effective patient care (education, exit site care, etc.) and administrative tasks (handling data, recording test results).

Results

PD began with the education of the patient by the same nurse; HD began with the treatment while the patient's education started as routine activity at the same time by the different nurses. PD training time was for several weeks to months depending on the ability of the patient, while the HD training time was 4-5 hours intermittently. PD workflows had well-structured systematic activities, which were shared between a nurse and a physician (monthly controls, periodic examinations). HD workflows were based on solving current problems and were mainly nursing activities (e.g. patient's education because of high interdialytic bodyweight). In addition a detailed description of nursing activities, the PD nurses' guideline helped to focus on the patient's care. There are several guidelines and protocols available for HD nurses, which include the nurses' expectations, safety and effective patient care.

Conclusion

In both modalities, the nephrological nursing activities required high level of professional skills to perform adequate treatment, which contributes to the preservation and improvement of the patients quality of life. The completion of both treatments requires equivalent and high level of theoretical and practical skills.

References

1. <https://ajkdblog.org/2018/02/19/pd-or-hd-which-road-do-we-take/>
2. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4413101/>
3. <https://bmjopen.bmj.com/content/bmjopen/9/4/e025451.full.pdf>



Picture 1. PD or HD?

https://www.123rf.com/profile_ardisd



Picture 2. Teamwork

https://www.google.com/search?q=teamwork+pictures&tbm=isch&tbs=rimg:CSHKiHlZkdTjhrjPgY1xk3_1irJZuSM8JZ5ZezL0wQh0aJvJpa5yZoIK3CCHz16aELB6Zb_12w_1v8NGTryBNBViaSoSCWuM-BjXGTF-EY6JdeWKCjB8KhIJKslm5IzwlIIRqPlsZcypXzcqEgl7MVTBCE5ohHbcQDxN1N8ZioSCVUmlrnJmgrpEfkWigt1XdsnKhIJCICLPoQsR4tMhSRKJXM0qEgkHplv_1bD_...x81wxFUdW46V1KSoSCUZO-IEOPWjPebhVTV49MzR48tbo=u&saved=2ahUKEwiEg-Hdo7nJAHVC_A4cQ9C96BAGBEg&biw=1366&bih=651&dpr=1#imgdii=jcaz-Z9ecAnVaW&imgref=HMLL_KHqgBhM&spfl=1563275303572



Picture 3. Patient education

https://www.google.com/search?q=patient+education+in+dialysis+at+fresenius+pictures&tbm=isch&tbs=rimg:CaCzndPMsHmVtjIdKut2Fd3fEIS31RqzRskEdiXAKDG_1hV0IUcJd4yNTVJ1tqozIFJzr7oqUDadFJSRoL22aKuqyoSCZq63YV3d8QEcmeW_1_1KEkQKKhIhLIV-WrNGyQRABQEKp9e1UqEgkR2JcQMbFRFJXUhaWuWV4ioSCU6VQI13JkDNETS0HWk0PCIKhLJUmXW2qjO1UKRAGPEH1thP7MqEglmvuipQNp0WBHK7TsgTWvjSoSCfIGvzbZq6rEU13SGn5j_1c7&tbo=u&sa=X&ved=2ahUKEwiEg-Hdo7nJAHVC_A4cQ9C96BAGBEg&biw=1366&bih=651&dpr=1#imgref=Se7V3uiv61Kc3M:&spfl=1563275303572