

#1951 - Dialysis efficiency in hemodialysis patients of Social Security Organization Hospital of Takestan in 1397.

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Body

Introduction:

Hemodialysis is the most commonly used treatment for patients who suffer from kidney failure. In each session of dialysis, the more we remove the waste materials from blood, the more efficiency of dialysis would be. Therefore, improvement of dialysis efficiency is an important issue in managing of these patients. This study trying to determine dialysis efficiency in patients who come to dialysis unit at Social Security Organization Hospital of Takestan.

Material and Method:

The 39 hemodialysis patients were participated in census method. Data gathering was accomplished by information inserted in patients' record. In order to determine dialysis efficiency, we used Kt/V and URR scales. The averages of Kt/V and URR were calculated for 3 consecutive months.

Results:

Among 39 patients, there were 24 men and 15 women and the average age was 55.3 ± 15.4 year. The average of 3 consecutive months Kt/V in 14 patients who used High Flux filter was 1.35 ± 0.1 and in 25 patients who used Low Flux filter was 1.34 ± 0.2 . The average of total Kt/V was 1.34 ± 0.2 and the lowest quantities were 0.89 and 1.9 respectively. The average of 3 consecutive months URR was 66.35 ± 5.9 and the lowest quantities were 51 and 80 respectively.

Conclusion:

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The results of this study suggest that 82.05 percent of patients have more than 1.2 Kt/V (average of 3 consecutive months) and 66.6 percent of patients have more than 65 URR (average of 3 consecutive months). The results obtained in this center are higher than the average results reported in other similar centers.

Keywords: Dialysis, Efficiency, Hemodialysis.

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