

#1859 - Searching for metabolic syndrome as a part of nursing care in hemodialysis center ,Helal Iran Pharmaceutical and Clinical complex in 2017 Summer

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Abstract,Background,Methods and material,Result,Discussion and Conclusion,References

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Body

Abstract

Background

Metabolic syndrome(MTS) is a complex of metabolic disorders that may increase the risk of cardiovascular diseases in general population .But as recent articles show this syndrome can be as a marker of good nutrition in the hemodialysis(HD) patients.

The aim of this research is estimation of the prevalence of MTS by two criteria: Adult Treatment Panel (ATP) and International Diabetes Federation(IDF) and also evaluation of the relationship between :age, gender, duration of dialysis ,uric acid, phosphorus ,creatinine ,Hemoglobin with this syndrome.

Methods and material

In this study , MTS was evaluated by the ATP and the IDF definitions .MTS is defined with waist circumference ,Triglyceride ,High Density Lipoprotein ,Blood pressure ,Fasting Blood Sugar

Waist circumference and blood pressure were measured and recorded by dialysis nurse .who was responsible for patient dialysis.

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The analysis of the data was done by STATA software version 14 .To evaluate effect of independent variables on the occurrence of MTS we use of logistic regression. $P < 0.05$ was considered significant as a priority.

Result

One hundred thirty nine patients evaluated in this research .They were 16 to 85 years old(mean: 56 ± 15)and 75% were male . prevalence of MTS was 17.27% by ATP criteria and 33.09% by IDF criteria .

The prevalence was increased with raising the age. ($P < 0.05$)

There were not any relationship between MTS and chemical parameters : uric acid , phosphorus, creatinine and Hemoglobin .

Discussion and Conclusion

As MTS prevalence in hemodialysis patients were meaningful different by two criteria of ATP and IDF. It seems we must rely on new criteria that will fit on this specific population.

We suggest that for better care of HD patients , once as a while nurse and dialysis team evaluate the patients for evidence of MTS in their center.

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