

Measuring body composition changes in HD

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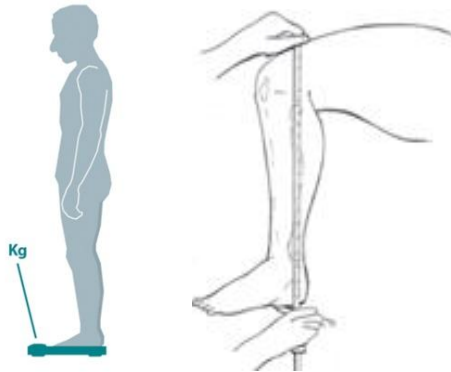
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Background

Involuntary weight loss and malnutrition is a well-known and frequent outcome in patients with HD. Nowadays the therapy of a dietitian during or after a period of involuntary weight loss is focused on gaining weight by increasing calorie intake, to achieve a reference Body Mass Index (BMI) between 23-28. In fact, the BMI range does not include the body composition, which includes the fat free mass and fat mass. A low fat free mass (muscle mass) is associated with a higher mortality.

Aim

A new study is designed. The aim of this study is therefore to create a better insight into the body composition changes of HD patients.



Methodes

During the study period, fifty patients with HD will be included. The following aspects will be measured four times in one year.

1. Bioelectrical impedance Analyses
2. Nutritional history
3. Calculation of energy requirement
4. Measure weight
5. Length measurement based on knee height
6. Hand grip strength
7. Calculation nutritional intake
8. Body Mass Index

Results

The outcomes of this study are not known at this moment, but can be used to describe what changes occur in the body composition of HD patients.

Also curious?

Are you interested in this study or would you like to discuss with me about this study please contact me!

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