# OVERALL STABILOMETRIC PROFILE IN CHRONIC KIDNEY DISEASE PATIENTS UNDER HEMODIALYSIS: A CROSS-SECTIONAL STUDY

Tahara, A.K.[1]; Nunes,G.S[2]., Schinniger, R.[3]; Cardoso, D.[4]; Ferreira, I.[4]; Simões, D.[2]; Reboredo, M.[2]; Barbosa, A.[2]

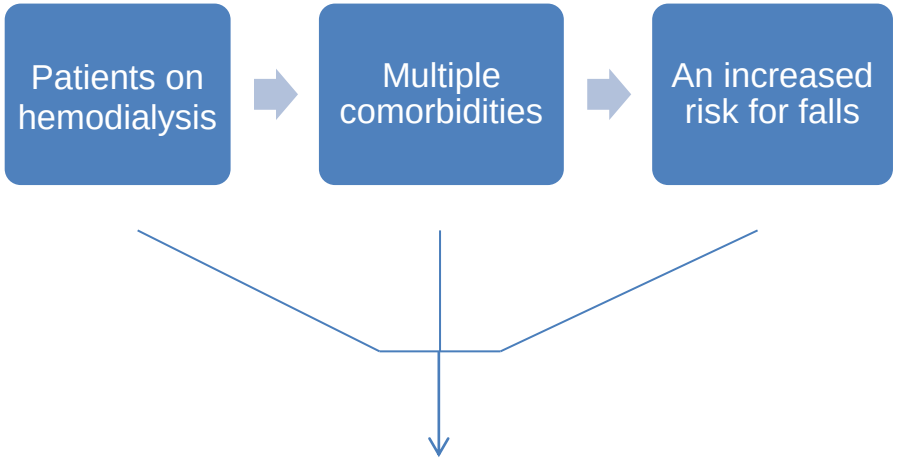
[1]Physiotherapist, MSc Student in Rehabilitation Sciences - UFJF/Brazil (klein.tahara@gmail.com)

[2]Physiotherapist, MSc, PhD - UFJF/Brazil

[3]Physiotherapist, MSc – UFJF/Brazil

[4]Physical therapy students – UFJF/Brazil

## BACKGROUND/RATIONALE




An atypically high postural sway is a known risk factor for falls in older adults

## PURPOSE

To assess the overall *stabilometric profile* in hemodialysis patients comparing with elderly with low (Group 1), high risk for falls (Group 2) and ESRD (Group 3)

# METHODS

## GROUPS AND INSTRUMENT

108 volunteers both genders as follow:

Group 1 (LOW, N=61)

Group 2 (HIGH, N=14)

Group 3 (ESRD, N=33)

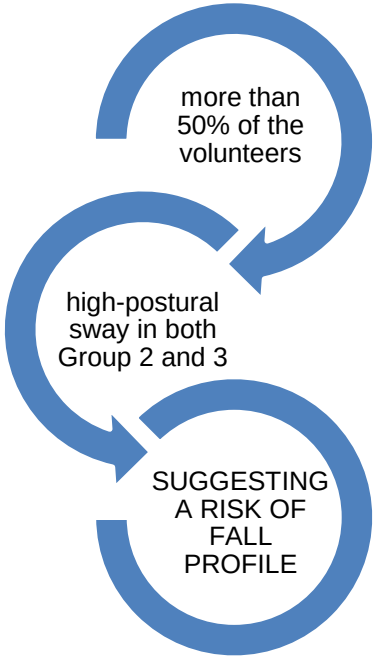
Were submitted to the BTracks Balance Test on a portable force plate to evaluate ten stabilometric parameters (SP).

## STATISTICS

- ✓ Kruskal-wallis test for the differences for each SP
- ✓ The stabilometric profile was analyzed applying the overall profile analysis, using the concept of low and high-postural sway

## RESULTS

In general, most of SP were higher in Group 2, followed by Group 3 and lower in Group 1.




## CONCLUSIONS

The innovative overall stabilometric profile suggest that *hemodialysis patients present the putative changes in balance status* that characterize risk of low-energy falls and that sway impairment could be a marker of frailty and loss of functional independence in this population.

# THANK YOU

klein.tahara@gmail.com

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