

# Combination of maintenance hemodialysis with hemoperfusion (HP) HA 130: one center experience

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## Objective

To investigate whether the combination of maintenance hemodialysis (MHD) with hemoperfusion (HP) HA 130 could improve the clearance rate of middle and large molecule uremic toxins so as to improve their uremic complications.

## Method

54 patients were randomly divided into two groups: Group 1 - 27 patients received combined treatment of HD with hemoperfusion (HP) HA 130.

Group 2 - 27 patients was only undergoing maintenance HD 3 times a week.

The clinical and laboratory properties of both groups were followed up for 18 months

## Results

At the end of the 18 month observation the serum concentration of :  
-albumin, P04, hsCRP, systolic blood pressure (SBP) and diastolic blood pressure (DBP) were lower with Group 1 than with Group 2 ( $p < 0.05$ ).

- a statistically significant lower values after the observational period in group 1 were noticed in the serum values of iPTH ( $p < 0.05$ ), P04 ( $p < 0.001$ ), CRP ( $p < 0.011$ ), SBP and DBP ( $p < 0.05$ ).

## Conclusion

HD+HP with HA 130 was superior to HD in regularly eliminating middle and large molecule uremic toxins accumulated in the body which is mostly shown through reducing the values of iPTH and hsCRP.