

Sodium gradient and all-cause mortality in incident maintenance hemodialysis patients: Results from the MONitoring Dialysis Outcomes (MONDO) initiative



Retrospective cohort study

15-month eligibility period

3-month dialysis initiation + 12-month baseline

8,437 patients on chronic hemodialysis from 7 countries

Mean age 63 ± 14 years

28% diabetic



Mean, mEq/L

Gradient Na =

0.94 ± 2.99

Dialysate Na

138.8 ± 1.7

- Serum Na

137.9 ± 2.58

Mortality Rate



5.6

per 100
patient-years



<138

Neutral to negative GNa associated with lower mortality

≥ 138

No clear association between GNa and mortality risk



58% male



Serum albumin
 3.84 ± 0.38 g/dL



Interdialytic weight gain
 2 ± 0.9 kg

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Conclusion: This retrospective study suggests an increased risk of all-cause mortality at lower SNa levels, with a neutral to negative GNa being preferable in this range, while no clear association exists at higher SNa levels.

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