

# The Relationship Between Dialysate Sodium and Inter Dialytic Weight Gain in Chronic Hemodialysis Patients

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## Factors affecting Intra Dialytic Weight Gain (IDWG)

### Physiological:

- Fluid retention
- Dietary Intake
- Background Diseases
- Medications
- Electrolyte balance

### Psychosocial:

- Cultural Attitudes
- Social Behaviors
- Patient Compliance

Previous research showed that generalized reduction of dialysate sodium resulted in hemodynamic instability

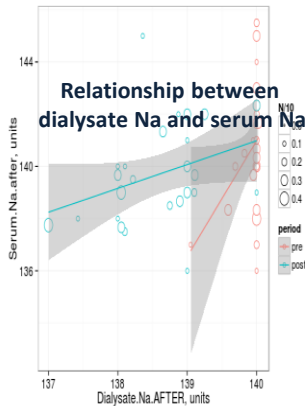
Development of Protocol

Application of Protocol

Retrospective Nursing Chart Review

## STUDY GOAL

To Investigate the Relationship of a *Controlled* Reduction of Dialysate Sodium Per Patient With Serum Sodium and Intra-Dialytic Weight Gain



(P=0.029)

## CONCLUSIONS

Reduction of dialysate sodium resulted in:

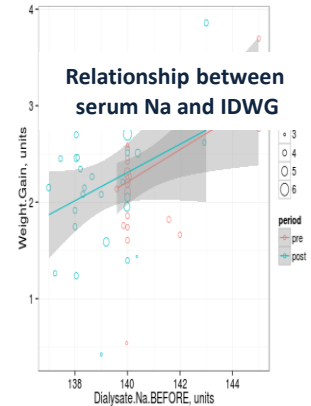
- A reduction of on serum sodium
- A reduction in intra-dialytic weight gain

Controlled reduction of Na resulted in:

- Maintenance of hemodynamic stability

## FINDINGS

N=32



(P=0.023)

## IMPLICATIONS

The development of the new protocol applied on an individual basis per patient can offer the nursing staff an additional tool to augment the care of the chronic hemodialysis patient