

AIM Statement: By April 2024, increase the proportion of PD patients on RAAS blockade by 25%.

PROBLEM DEFINITION

Maintaining residual renal function has been shown to improve survival in patients on peritoneal dialysis. One of the key methods to preserving residual renal function is renin-angiotensin-aldosterone (RAAS) blockade. In our PD unit, we have noticed that some patients are not on RAAS blockade without a clear contraindication, which increases their mortality risk.



Learnings from stakeholder analysis:

- Need patient buy-in to implement RAAS blockade
- Need to create a formalized process to review whether patient is on RAAS blockade, without increasing workload significantly for staff

Increasing RAAS Blockade in PD Patients to Preserve **Residual Renal Function**

Alrehaili, M., Niyazi, A., Alhowaiti, N., Zhu, A. Supervised by Dr. M. Chiu. Centre for Quality, Innovation, and Safety, Schulich School of Medicine & Dentistry, Western University, London, ON, Canada







Reflection on implementation challenges: 1) Hyperkalemia; 2) Hypotension 3) Frailty in elderly; 4) Increased workload

1. Process measures: Use of clinic templates by staff: 50% 2. Balancing measures: -No patients with hypotension after starting RAAS blockade 3. Reflection on Results: - Checkbox on clinic template too small - Cohort changing over time

1. Process owner: PD fellow and pharmacist 2. Documentation of new standard: Upon PD training, a medication reconciliation is performed. At this juncture, we will identify PD patients without RAAS blockade. 3. Monitoring plan: medication review at weekly rounds



IMPLEMENTATION

PLAN

ld checkbox to clin RNs and MDs use templat weekly from Dec to Apr Compare % PD patients or RAAS blockade from Dec t

ACT

Adjust: increase size of checkbo and font - change font colour to rec

ding the checkbo emplate was easy to do. The revised template was present at each clinic BUT checkbox was easily overlooked Gather data

STUDY

DO

Proportion of patients on RAAS blockade decreased compared to baseline Checkbox was too smal

Cohort changed Did not implement

RAAS blockade in

MEASUREMENT & RESULTS

SUSTAINABILITY