Title: Perils of prescribing commercially available magnesium based phosphate binders

Wong, Yun Hui Sheryl (MBBS)[1], Berwick Ann (BPharm)[2], Ngyuen Anne (BPharm)[2], Morley Kate (BND)[3], Thomas Mark (MBBS)[1]

Affilations:

1. Royal Perth Hospital, Department of Nephrology, Perth, Western Australia 6000
2. Royal Perth Hospital, Department of Clinical pharmacy, Perth, Western Australia 6000
3. Amity Health, Albany, Western Australia, 6330

Abstract:

As chronic kidney disease progresses through the 5 stages, hyperphosphataemia occurs, resulting in bone demineralisation, vascular and soft tissue calcification, cardiovascular disease and secondary hyperparathyroidism. Dietary restriction of phosphate alone becomes insufficient over time to counteract this process and various phosphate binders are commonly prescribed to reduce the absorption of phosphate from the gastrointestinal tract.

Magnesium based phosphate binders have been shown to be non-inferior to sevelamer for the management of hyper-phosphataemia. However, there is a vast array of commercial magnesium-based supplements available to the Australian consumer. Considerable heterogeneity exists not only in their magnesium content, but the concentration of other additional ions like calcium, potassium and phosphate. We discuss these supplements and present them in a table. The clinician should note that caution should be exercised when prescribing these supplements, particularly to the CKD population.

Biography

Dr Wong completed her basic physician training in Melbourne, at the Alfred Hospital and is currently a second year renal advanced trainee at Royal Perth Hospital in Western Australia.

Presenting author details
Full name: Dr Yun Hui Sheryl Wong
Contact number: +61430462026
Twitter account: NA
Linked In account: NA
Session name/ number:
Category: (Oral presentation/ **Poster presentation**)

- Abstract has recently been accepted for poster presentation at the upcoming 14th Annual Nephrology and Renal Care conference in Singapore.
- Currently also applying for abstract to be **submitted for poster competition** as well. Thanks.