



Trainee & Program Details

Training Program

Nephrology (Adult) 2025

Training Program Phase *

Specialty foundation

Date of Observation *

29/03/25

Learning Capture Details

Type of Learning *

Reading and resources

Title*

Managing Hyperphosphatemia in Chronic Kidney Disease - Insights from KDIGO 2017 Guidelines

Select the primary learning goal *

18. Chronic kidney disease

Learning Capture Details

Description of Activity *

I engaged in a self-directed learning session focusing on the management of hyperphosphatemia in patients with chronic kidney disease (CKD). This involved a thorough review of the KDIGO 2017 Clinical Practice Guideline Update for the Diagnosis, Evaluation, Prevention and Treatment of CKD-Mineral and Bone Disorder (CKD-MBD). To contextualise the guidelines, I discussed a complex case with a supervising nephrologist, examining the challenges of phosphate control in a patient undergoing maintenance haemodialysis. This combination of guideline review and case discussion enhanced my understanding of evidence-based practices in managing mineral and bone disorders in CKD.

What did you learn? *

I deepened my knowledge of the indications for initiating phosphate-lowering therapy and the considerations for selecting appropriate phosphate binders, particularly the recommendation to limit calcium-based binders in certain clinical scenarios. I also learned about the importance of dietary phosphate restriction and the role of patient education in achieving treatment adherence. The case discussion highlighted the need to tailor treatment plans based on individual patient factors, including comorbidities and laboratory trends.

How will you apply this learning in the future? *

I plan to integrate these guidelines into my clinical practice by carefully evaluating the risks and benefits of phosphate binder choices, considering factors such as vascular calcification and serum calcium levels. I will collaborate with dietitians to provide comprehensive dietary counselling to patients and monitor phosphate levels regularly to assess treatment efficacy. Additionally, I will engage in multidisciplinary discussions to ensure individualised patient care and stay updated with emerging evidence to inform my clinical decisions.

Assessor Feedback (optional)

Feedback From *

Dr Michael Zhang

Assessor Role *

Supervisor

Personal Message

Dear Dr Zhang, could you please provide feedback on my learning capture related to CKD phosphate management?

Feedback Requested Date

29/03/25

Feedback *

You've demonstrated a really clear grasp of the guidelines and I liked how you connected them directly to clinical decision making. It shows you are thinking practically rather than just academically. Your use of evidence was strong and well integrated throughout. One suggestion would be to reflect a little on the limitations of the current guidance or where it might not fully apply. Doing so could help deepen your critical thinking even further. Overall this is a very solid piece of work for a trainee at your level.