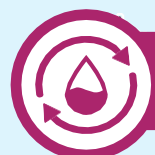


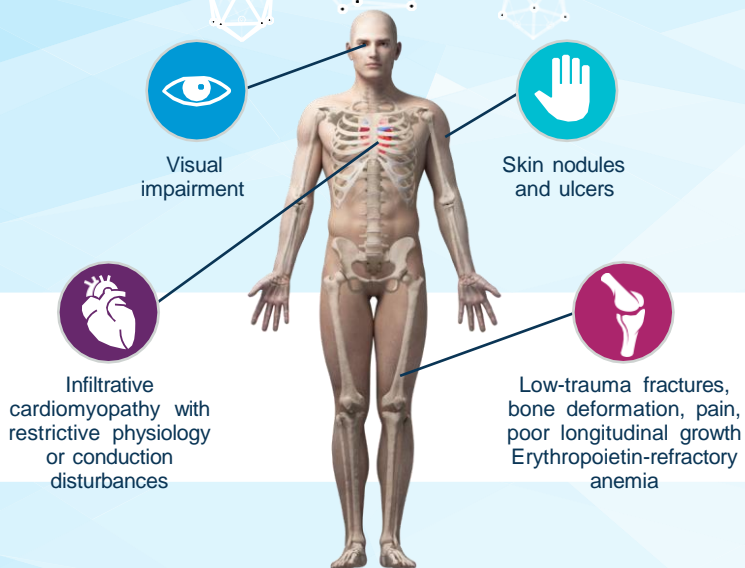
Diagnosis of PH1 with CKD, or in the Dialysis Setting

Intended for US healthcare professionals only



As PH1 progresses, systemic manifestations develop as oxalate deposition occurs due to decline in kidney function^{1,2}

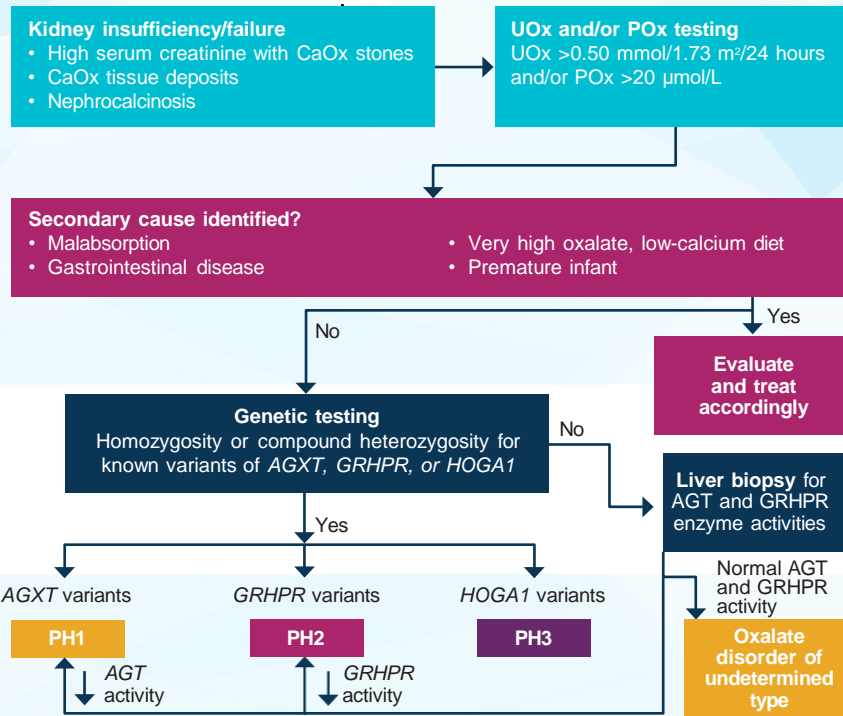
As eGFR declines, oxalate clearance is reduced, leading to an increase in POx until the supersaturation point is reached and systemic oxalate deposition occurs.^{1,2} Systemic manifestations of PH1 may include:²



The above figure does not include all possible systemic manifestations of PH1²



Current Literature Recommends that Oxalate and Genetic Testing can be Informative for PH1 Diagnosis³



Key Points

- Patients with a declining eGFR may present with systemic manifestations of PH1 due to systemic oxalate deposition²
- In patients with kidney insufficiency/failure, UOx, POx and genetic testing are crucial to help confirm the diagnosis of PH1.³ Diagnosis is based on clinical judgment

AG(X)T, alanine-glyoxylate aminotransferase; CaOx, calcium oxalate; CKD, chronic kidney disease; eGFR, estimated glomerular filtration rate; GRHPR, glyoxylate reductase/hydroxypyruvate reductase; HOGA, 4-hydroxy-2-oxoglutarate aldolase; PH1, primary hyperoxaluria type 1; PH2, primary hyperoxaluria type 2; PH3, primary hyperoxaluria type 3; POx, plasma oxalate; UOx, urinary oxalate.
 1. Cochat P et al. *Nephrol Dial Transplant* 2012;27:1729–1736; 2. Sas DJ et al. *Urolithiasis* 2019;47:79–89; 3. Edvardsson VO et al. *Pediatr Nephrol* 2013;28:1923–1942.

