The Unpredictable Progression of PH1¹

Intended for US healthcare professionals only



/ Key Points

- Most patients with PH1 will progress to ESKD, and rapid decline in kidney function may occur unpredictably even in patients with stable disease^{12,3,5}
- Unpredictable, progressive worsening of kidney survival occurs more rapidly in patients with PH1 versus patients with PH2 and PH3⁵

*Data from Figure 1 in Lawrence JE & Wattenberg DJ. *CJASN* 2020; 15:909–911. Study included 42 respondents of which 17 were patients. The survey responses represented all types of PH: 60% = PH1, 29% = PH2, 9% = PH3, 2% = unknown;³ *Data based on visual representation of graphical data as presented in Figure 4 in Singh P et al. *Nephrol Dial Transplant* 2022;37:869–875. The study aimed to characterize clinical manifestations of PH3 in comparison with PH1 and PH2. A total of 384 patients with PH1 were included in the overall study, and 352 patients with PH1 were included in the Kaplan–Meier Analysis of ESKD by PH type;⁴ #ESKD is defined as eGFR <15 mL/min/1.73 m², initiation of dialysis, or kidney transplant.⁴ CI, confidence interval; CKD, chronic kidney disease; ESKD, end-stage kidney disease; GFR, glomerular filtration rate; KM, Kaplan–Meier; PH, primary hyperoxaluria; PH1, PH type 1; PH2, PH type 2; PH3, PH type 3. 1. Wang X et al. *Front Med* 2021;8:703305 (supplementary appendix): 2. Leumann E & Hoppe B. *J Am Soc Nephrol* 2001;12:1986–1993; 3. Singh P et al. *Am J Kidney Dis* 2022;S0272-6386(22)00531–5; 4. Lawrence JE & Wattenberg DJ. *CJASN* 2020;15:909–911; 5. Singh P et al. *Nephrol Dial Transplant* 2022;37:869–875;

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