

# Hypophosphatasia (HPP) is a metabolic disorder characterized by **LOW Alkaline Phosphatase (ALP) activity**<sup>1</sup>

Patients with HPP may experience unpredictable, devastating, and life-limiting consequences, including:<sup>1</sup>



**PREMATURE  
TOOTH LOSS**



**SHORT STATURE  
AND/OR UNUSUAL  
GAIT**



**MUSCLE WEAKNESS  
AND/OR FATIGUE**



**CHRONIC MUSCLE/  
JOINT PAIN**



**SKELETAL  
DEFORMITIES AND/  
OR FRACTURES**

- In adults, low ALP activity is **<40 U/L**<sup>2,a</sup>
- Age- and sex-adjusted ALP reference intervals must be used in children<sup>3,4</sup>

Patients with any of these key signs/symptoms  
and **LOW ALP** should be evaluated for HPP<sup>1</sup>

<sup>a</sup>Example cutoff from Abbott Laboratories; adult ALP ranges are lab specific and may vary.

**References:** 1. Bishop N, et al. *Arch Dis Child.* 2016;101(6):514-515. 2. Alkaline phosphatase [package insert]. Abbott Park, IL: Abbott Laboratories; 2007.  
3. Offiah AC, et al. *Pediatr Radiol.* 2019;49(1):3-22. 4. Colantonio DA, et al. *Clin Chem.* 2012;58(5):854-868.

**Please contact  
to learn more information about hypophosphatasia.**

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