Dear Editor,

A 9-year-old girl presented with growth failure, polyuria, and polydipsia for 4 years. Physical examination revealed rachitic rosary, wrist widening, and double malleoli without facial dysmorphism. There was a family history of infantile death from severe acute malnutrition. Laboratory investigations revealed normal anion-gap metabolic acidosis, hypokalemia, alkaline urine, and hypercalciuria. On the abdominal sonogram, bilateral medullary nephrocalcinosis was seen. Clinical and laboratory features were suggestive of distal renal tubular acidosis (dRTA). To confirm the diagnosis, genetic analysis was performed, revealing a novel heterozygous variant (c.10C>T, p.Arg4Ter) in exon 2 of the Hedgehog Acyltransferase (HHAT) gene, which is classified as a likely pathogenic variant by the American College of Medical Genetics. The variant was confirmed with Sanger sequencing, as shown in [Figure 1]. The final diagnosis was dRTA due to Nivelon-Nivelon-Mabille syndrome (NNMS). Clinical screening of family members didn’t reveal any abnormality. Parents were given genetic counseling.

NNMS is a rare autosomal recessive disorder that was originally reported in 1992 with antenatal severe dwarfism, global chondrodysplasia, severe microcephaly with cerebellar vermis hypoplasia, a hypoplastic iris, and a papillous coloboma. On extensive search of literature on NNMS, we found three cases. Abdel-Salam et al. (2019) reported two sisters from Saudi Arabia with microcephaly, cerebellar vermis hypoplasia, infantile-onset seizures, brachydactyly, and dysplastic nails. Neelam Saini et al. (2023) reported a patient with biallelic variants in HHAT, who presented with muscle spasm, microcephaly, short stature, muscle hypertrophy, and facial dysmorphism. There has been no report of renal involvement in NNMS. This letter intends to raise awareness among readers concerning the possibility of renal involvement in NNMS and HHAT gene-related disorders.

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Conflicts of interest
There are no conflicts of interest.

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