Correspondence to 'Neonatal hypoglycaemia due to ABCC8 gene mutation'

Sir,

I read with interest the article by Kumar *et al*.,[1] on neonatal hypoglycemia which includes a case report of *ABCC*-associated congenital hyperinsulinism (CHI) and a comprehensive approach to neonatal hypoglycemia, despite being a letter to the editor! I noted a few concerns in the article. The patient had diazoxide-unresponsive but octreotide-responsive disease. ^{18}F-DOPA PET/CT is not routinely indicated in all patients with CHI but is recommended only for diazoxide-unresponsive CHI with paternally inherited/de-novo monoallelic mutations in *ABCC8*/*KCNJ11* or no mutations in *ABCC8*/*KCNJ11*.[2] The patient was subjected to functional imaging awaiting the genetic results, that too with one of the least sensitive modalities, ^{99m}Tc-HYNIC-TOC scintigraphy. I believe that the scintigraphy should not have been performed on this patient. Secondly, it is surprising to note that the authors decided that the patient should undergo near-total pancreatectomy despite the disease being octreotide-responsive. Fortunately, the parents deferred the surgery. In such patients, monthly intramuscular administration of long-acting somatostatin

analogs (SSA) is recommended.[2] The results of near-total pancreatectomy are unsatisfactory with low success rates, and high rates of complications including permanent diabetes mellitus, and exocrine insufficiency.[3] Hence, its use is not recommended for CHI that responds to medical therapy.[2] I note that the authors do not mention offering long-acting SSA to the patient which should have been preferred over near-total pancreatectomy.

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Conflicts of interest

There are no conflicts of interest.

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References

1. Kumar A, Pramanik S, Ghosh S, Saha B. Neonatal hypoglycaemia due to ABCC8 gene mutation. Indian J Endocrinol Metab 2020;24:555-8.
2. Banerjee I, Salomon-Estebanez M, Shah P, Nicholson J, Cosgrove KE, Dunne MJ. Therapies and outcomes of congenital hyperinsulinism-induced hypoglycaemia. Diabet Med 2019;36:9-21.
3. Arya VB, Senniappan S, Demirbilek H, Alam S, Flanagan SE, Ellard S, *et al*. Pancreatic endocrine and exocrine function in children following near-total pancreatectomy for diffuse congenital hyperinsulinism. PLoS One 2014;9:e98054.

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