

AN UNUSUAL CAUSE OF NEONATAL HYPERGLYCEMIA – CASE REPORT

Authors: Ana Luísa Leite, Isabel Ayres Pereira, Joana Matos, Rosa Arménia Campos, Helena Santos

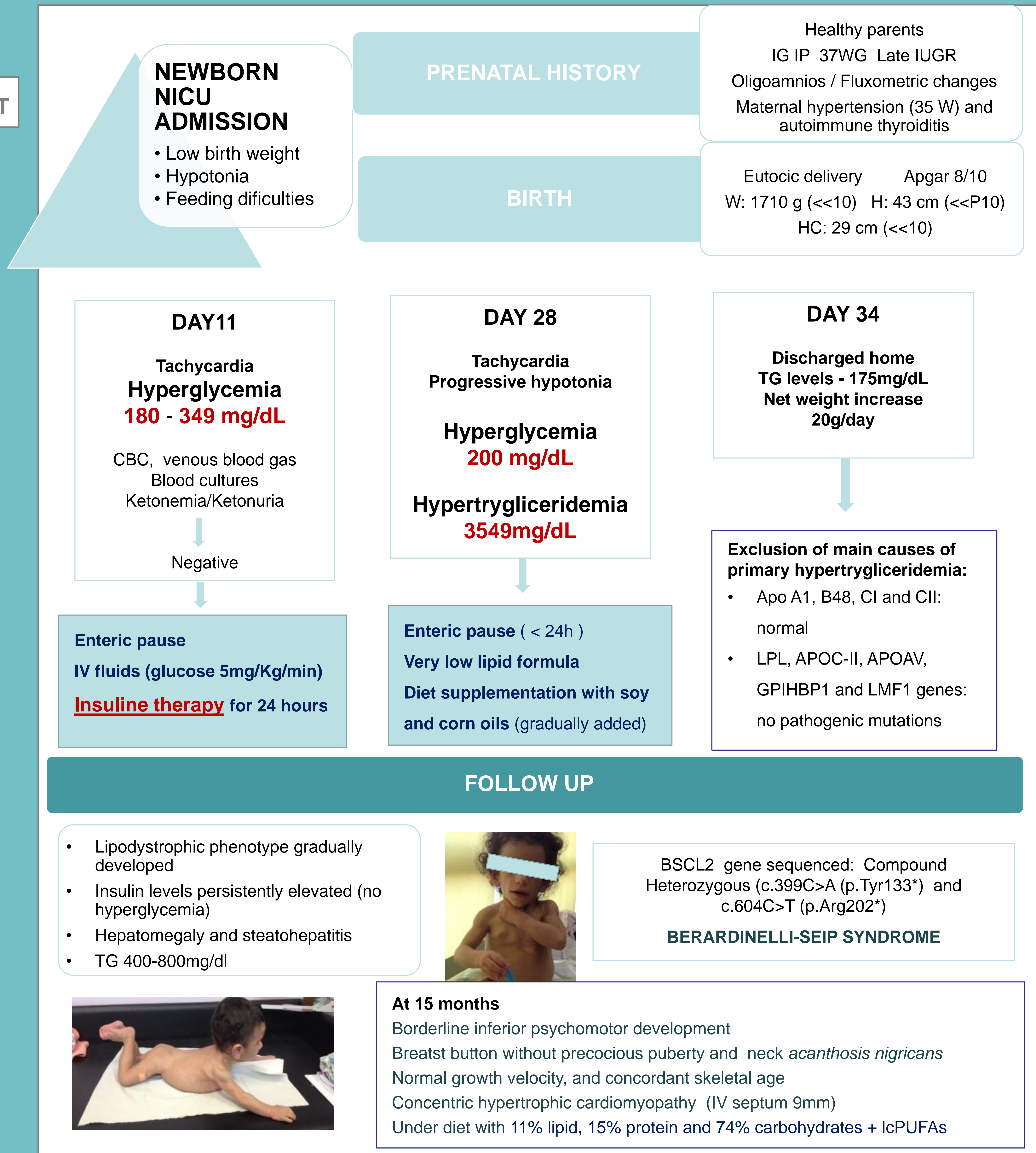
Centro Hospitalar de Vila Nova de Gaia/ Espinho, Portugal



INTRODUCTION

Hyperglycemia is a common event in neonates, frequently associated with specific clinical conditions (sepsis, drugs or intravenous fluids) other than neonatal diabetes. Unusual endocrinometabolic syndromes must be considered whenever initial studies are inconclusive.

CASE REPORT



DISCUSSION

The authors present a case of Berardinelli – Seip Syndrome (Congenital generalized lipodystrophy type 2) as the primary cause of neonatal insulin resistance and hyperglycemia. This syndrome is characterized by the absence of functional adipocytes with storage of lipids in muscle and liver and consequent hepatomegaly, steatosis, and skeletal muscle hypertrophy. Besides early insulin resistance, other endocrine manifestations that should be regularly surveilled include diabetes mellitus of difficult control, hirsutism, and precocious puberty.

REFERENCES

1. Mantzoros C, Lipodystrophic syndromes in Nathan D, (ed.) UpToDate. Retrieved March 2018 from <https://www.uptodate.com/index.html#/contents/lipodystrophic-syndromes>; 2. Cheema HA, Malik HS, Waheed N, et al, Berardinelli-Seip Congenital Generalised Lipodystrophy, J Coll Physicians Surg Pak. 2018 May;28(5):406-408. doi: 10.29271/jcpsp.2018.05.406; 3. Patni N, Garg A. 3. Congenital generalized lipodystrophies--new insights into metabolic dysfunction. Nat Rev Endocrinol. 2015 Sep;11(9):522-34. doi: 10.1038/nrendo.2015.123. 4. Lima R, Teixeira F, Cleto E, et al Síndrome de Seip-Berardinelli Acta Pediatr. Port., 1996; N. 3; Vol. 27: 629-32

