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A relationship between hypoglycemia, hypothyroidism and zinc deficiency

The interaction of zinc deficiency and hypothyroidism has several reported presentations. The link between hypoglycemia and hypothyroidism is also known, but uncommon. For the last 40 years, the relationship between these two phenomena was illustrated in a handful of articles. We present a six-month-old boy with the unusual combination of these three conditions, his diagnostic evaluation and management. The case presentation is accompanied with a short literature review. According to the literature, zinc deficiency adversely affects thyroid function. Moreover, thyroid function correlates with the glucose homeostasis. Nevertheless, the association of zinc deficiency, hypothyroidism and hypoglycemia has not yet been described in the current available literature in English. Therefore, we suggest that the relationship between zinc and thyroid function should be considered in any case of severe intractable hypoglycemia and extensive skin eruption.

Biography

Michael Kalinin has completed his Medical study from the State Medical Academy, Russia. He completed his training in Pediatrics at the Tel Aviv University and Ben Gurion University, Israel. He has done his subspecialty in the field of Pediatric Intensive Care from the Hospital for Sick Children, Toronto. He has several publications in different fields of Medicine. Currently, he is the Head of Pediatric Intensive Care Unit at Barzilai Medical Center, Israel.

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