

Hypermagnesemia

Hypermagnesemia means the value of Mg > 1.0 mmol/l. Hypermagnesemia is a rarity in children and increased magnesemia could be present in renal failure, adrenal insufficiency and in newborns whose mothers were treated with magnesium salts for *eclampsia* before delivery. In newborns, the symptoms include muscle hypotension, decreased tendon reflexes, bradycardia, apnoea, and delayed meconium emptying.

Treatment

Treatment is usually not necessary. We will stop the supply of magnesium. In severe cases, *10% Calcium gluconicum* (1 ml = 0.2 mmol) 0.5 to 1.0 ml/kg or *10% Calcium chloratum* (1 ml = 1 mmol) 0.1 to 0.2 ml/kg iv within 10 minutes (maximum single dose is 10 mmol). At the same time, we control the heart rate (there is a risk of bradycardia with rapid administration).

Another option is to administer furosemide 1 mg/kg iv or corticoids (prednisone 1 mg/kg). In extreme cases, we can also indicate hemodialysis.

References

External Links

- Hypermagnesémie a EKG (TECHmED) (<https://www.techmed.sk/hypermagnezemia-hypomagnezemia/>)

Source

- HAVRÁNEK, Jiří: *Dysbalance magnesia*. (upraveno)

Related Articles články

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