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Hyperkalemic Mineralocorticoid Resistance

National Cancer Institute

Source

National Cancer Institute. *Hyperkalemic Mineralocorticoid Resistance*. NCI Thesaurus. Code C126812.

A genetically heterogynous condition characterized by hyperkalemia, hyperchloremic acidosis, low or suppressed renin activity, and normal to high concentrations of aldosterone. Mutations in genes (for example WNK1 or WNK4), regulating Na-Cl cotransporters (NCC), Na-K-Cl cotransporters (NKCC2), or the renal outer medullary potassium (ROMK) channel have been identified as causative in this condition. The primary abnormality is thought to be a specific defect of the renal secretory mechanism for potassium, which limits the kaliuretic response to, but not the sodium and chloride reabsorptive effect of, mineralocorticoid.