**Supplementary Table 1**

| **Disease** | **Bartter type I** | **Bartter type II** | **Bartter type III** | **Bartter type IV** | **Bartter type V** | **„Transient antenatal Bartter“** | **Gitelman** | **Familial hypomagnesemia with hypercalciuria and nephrocalcinosis** | **Familial hypomagnesemia with hypercalciuria and nephrocalcinosis** |
|---|---|---|---|---|---|---|---|---|---|
| Gene (Protein) | *SLC12A1* (NKCC2) | *KCNJ1* (ROMK) | *CLCNKB* (ClC-Kb) | *BSND* (barttin) | *CASR* (CaSR) | *MAGED2* (MAGE-D2) | *SLC12A3* (NCCT) | *CLDN16* (Claudin 16, Paracellin 1) | *CLDN19* (Claudin 19) |
| Age at diagnosis | Infancy | Infancy/ adulthood (this study) | Childhood | Infancy | Adolescence/ adulthood | Infancy | Adolescence/ adulthood | Early childhood | Early childhood/ adolescence |
| Serum $K^+$ as neonate | Low | High (later low) | Low | Low | Not applicable | Low | Not applicable | Normal | Normal |
| Serum $Mg^{2+}$ | Normal | Normal | Normal to low | Normal to low | Low | | Very low | Low | Low |
| Urinary $Ca^{2+}$/Creatinine | High | High | Variable | Variable | High | High | Very low | High | High |
| Nephrocalcinosis* | + | + | Infrequent | Infrequent | + | Infrequent | - | + | + |
| Prematurity | + | + | -/(+) | + | - | + | - | | - |
| Sensorineural deafness | - | - | - | + | - | - | - | - | - |
| Ocular abnormalities (myopia, nystagmus, macular colobamata) | - | - | - | - | - | - | - | - | + |
| Symptoms disappear spontaneously during follow-up | - | - | - | - | - | + (except*) | - | - | - |