Diurnal Ltd





PROSPECTIVE, OPEN-LABEL, LONG-TERM FOLLOW-UP OF NEONATES AND YOUNG CHILDREN WITH ADRENAL INSUFFICIENCY TREATED WITH HYDROCORTISONE **GRANULES**

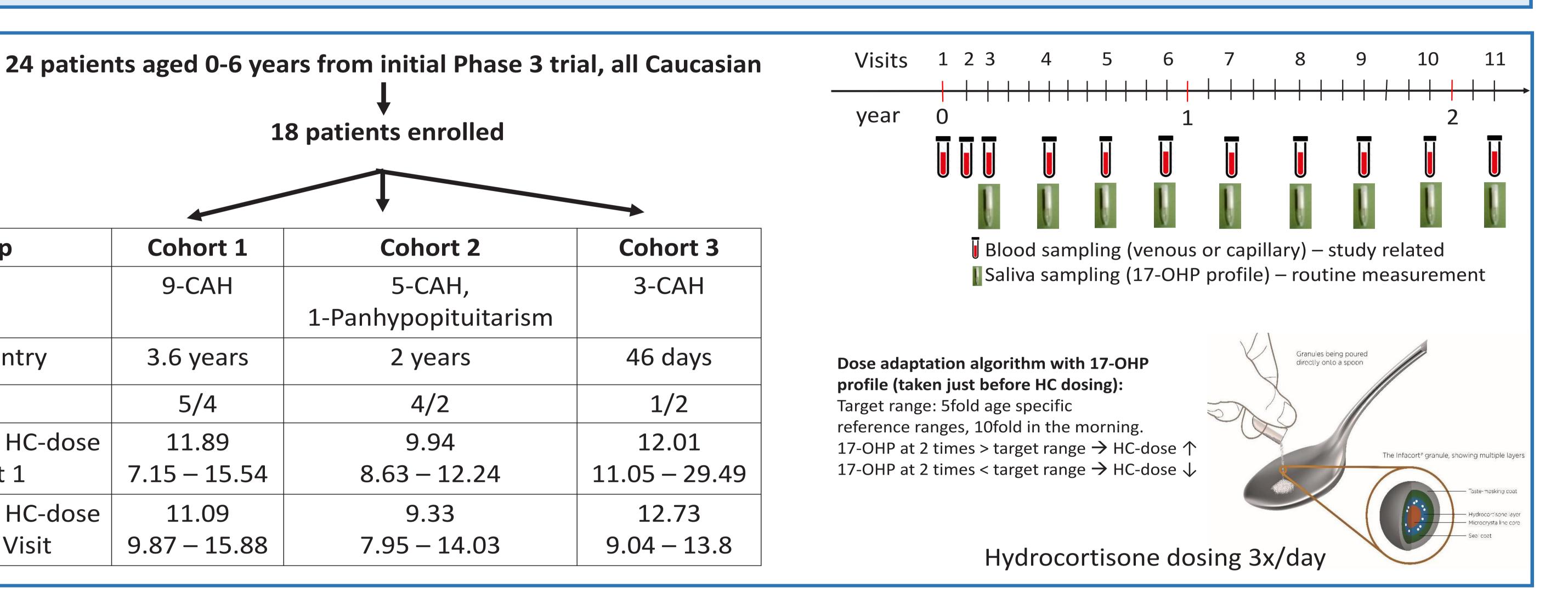
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Introduction: Children with congenital adrenal hyperplasia (CAH) and adrenal insufficiency (AI) rely on lifelong hormone replacement with hydrocortisone (HC). Alkindi® is the first HC licensed for children from birth to 18 years with AI, available in small doses of 0.5, 1, 2 and 5mg required for the needs of neonates, infants and children.

Objectives: Long-term safety of Alkindi® and long-term disease control in children aged 0-6 years were investigated.

Conclusions: During >2-year follow up of children aged 0-7 years, no AEs related to Alkindi® treatment and no adrenal crisis occurred. All children grew along their expected percentiles. Mean daily HC-dose controlled by routine saliva sampling was at the lower recommended dose-range.

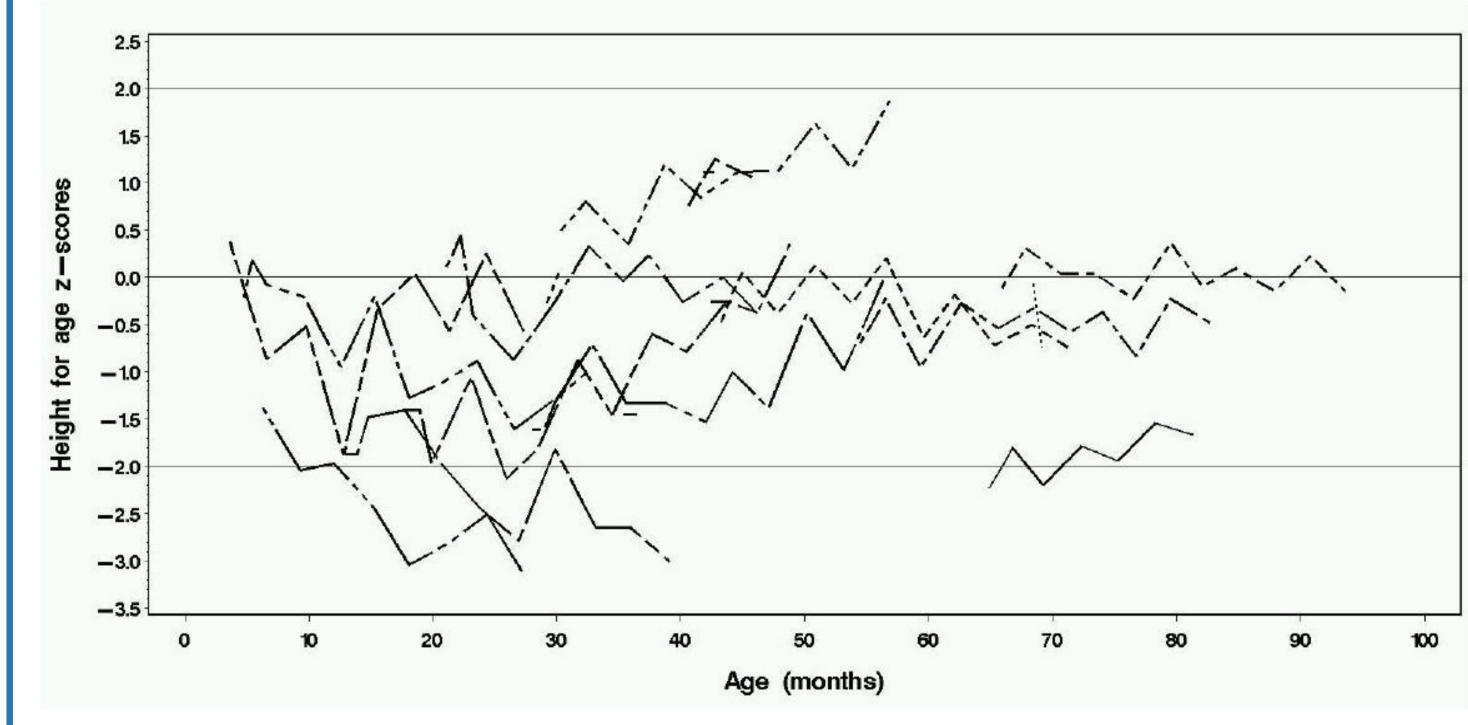
18 patients enrolled **Initial trial group** Cohort 3 Cohort 1 Cohort 2 9-CAH 5-CAH, 3-CAH 1-Panhypopituitarism Median age at entry 46 days 3.6 years 2 years Male/female 5/4 4/2 1/2 Median (Range) HC-dose 11.89 9.94 12.01 (mg/sqm) – Visit 1 7.15 - 15.5411.05 - 29.498.63 - 12.24Median (Range) HC-dose 11.09 9.33 12.73 (mg/sqm) – last Visit 9.04 - 13.89.87 - 15.887.95 - 14.03



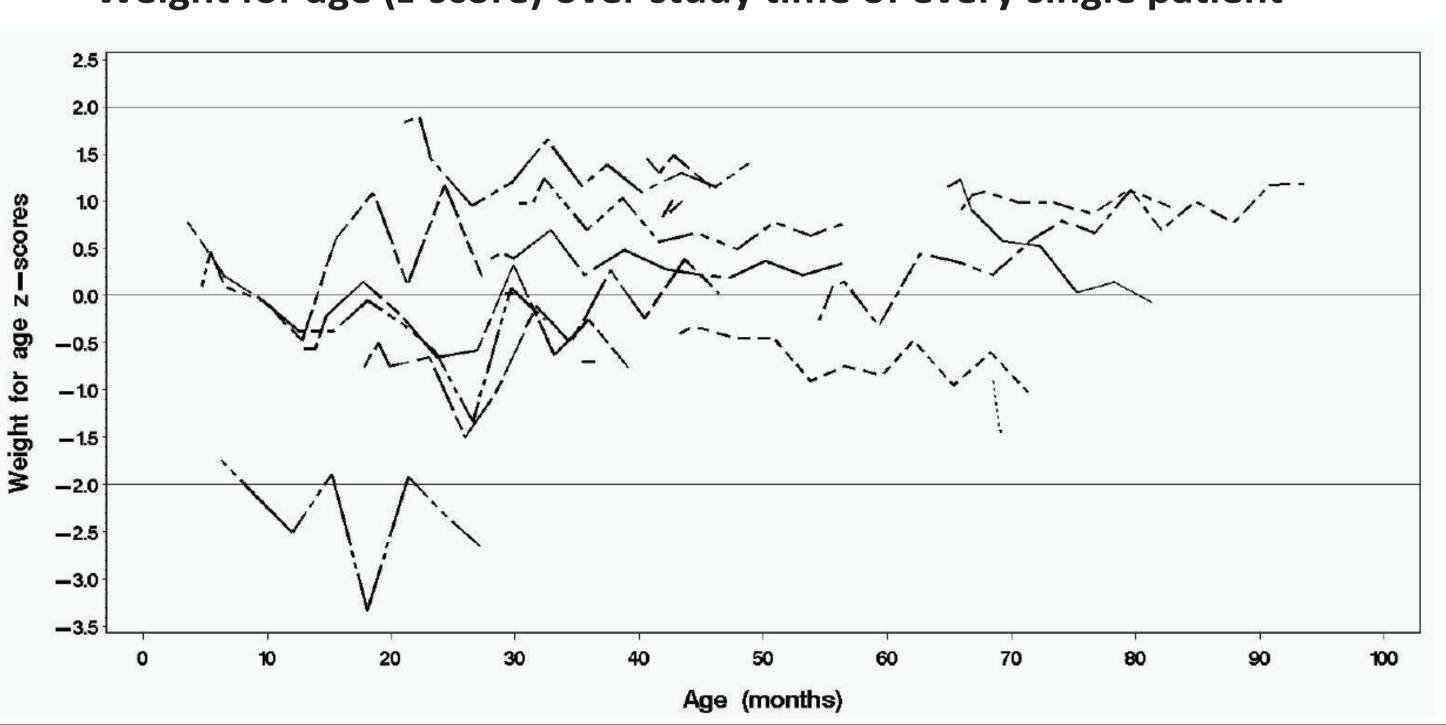
Results:

Methods:

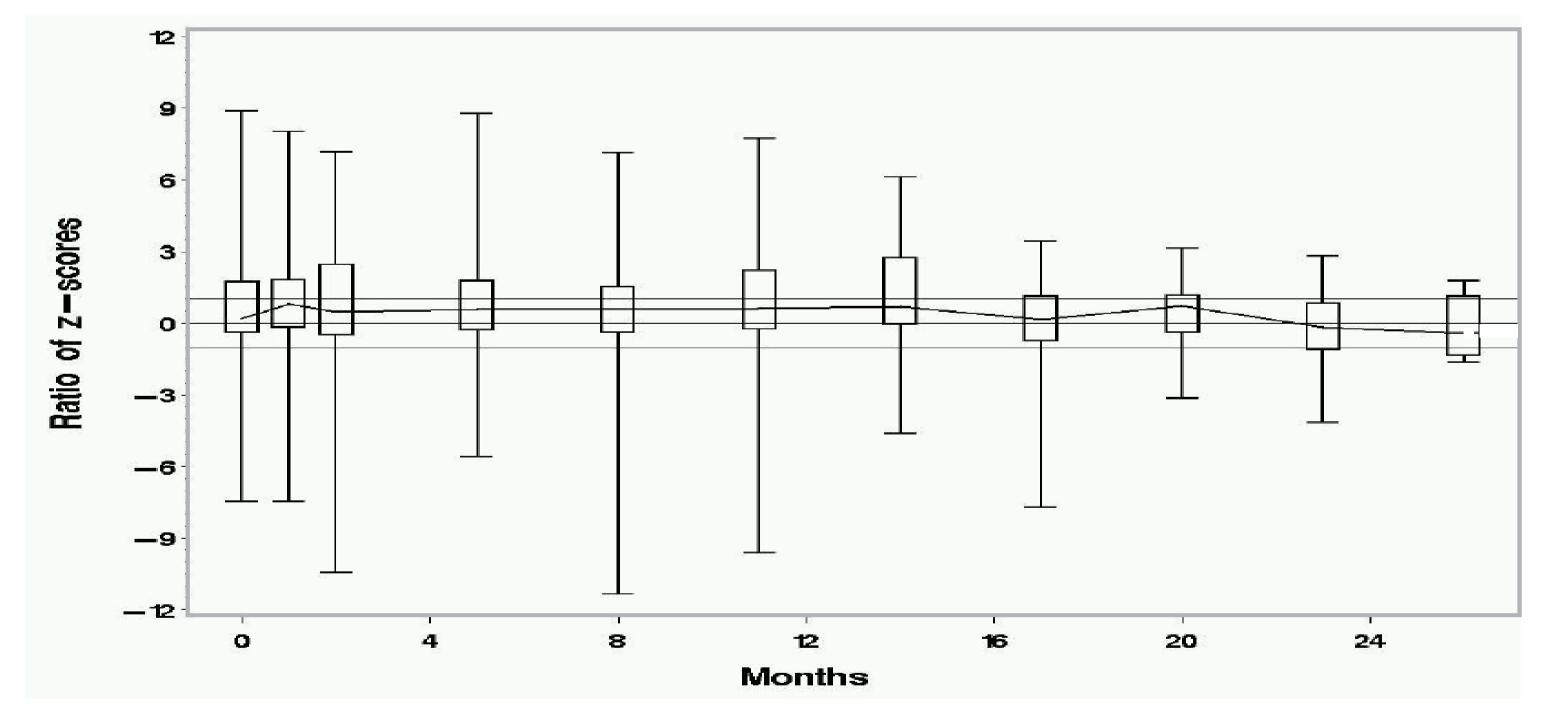
Height for age (z-score) over study time of every single patient



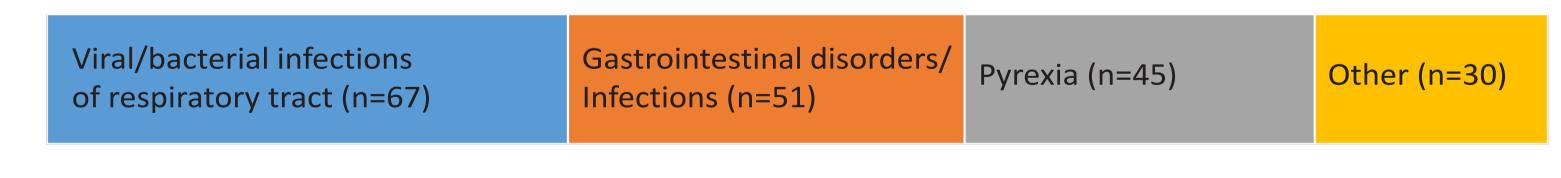
Weight for age (z-score) over study time of every single patient



Ratio children's height z-score and target height z-score over time



Treatment-emergent adverse events (TEAEs) in 14 patients (n=193)



Severe adverse events (SAEs) n= 9 in 3 patients (n=3)



No cases of adrenal crisis, no AEs of choking, no death. No severe TEAEs, TEAEs leading to withdrawal from the study, and no TEAEs with a suspected causal relationship to Alkindi[®].

References: Neumann, Whitaker et al., Clinical Endocrinology 2018;88:21–29

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