Supplemental Figures Legends:

Supplemental Table 1: Subject demographic data

Supplemental Figure 1: Urine pregnanetriol levels on hydrocortisone therapy versus dexamethasone therapy for subjects 2-4. Normal urine pregnanetriol level is 0-1 mg/24 hrs.

Supplemental Figure 2: Urine 17-ketosteroid levels on hydrocortisone therapy versus dexamethasone therapy for subjects 2-4. Normal urine 17-ketosteroids level is 1-2 mg/24 hrs.
## Supplemental Table 1 – Subject Demographics

| Subject ID | Age at 1st Admission | Bone Age @ Chronological Age | HC Regimen (mg) | HC Dose (mg/m²/day) | Dex Regimen (mg) | Dex Dose (mg/m²/day) |
|------------|----------------------|-----------------------------|-----------------|---------------------|-----------------|---------------------|
| 1          | 2y 7m                | 2y 6m @ 2y 3m               | 1.25, 1.25, 2.5 | 9.26                | 0.1             | 0.18                |
| 2          | 5y 1m                | 5y 0m @ 4y 8m               | 1.25, 1.25, 2.5 | 6.94                | 0.1             | 0.14                |
| 3          | 4y 9m                | 5y 6m @ 4y 3m               | 7.5, 5          | 13.74               | 0.25            | 0.26                |
| 4          | 6y 10m               | 7y 10m @ 6y 4m              | 5, 5, 5         | 15.79               | 0.3             | 0.31                |
| 5          | 2y 5m                | 1y 9m @ 1y 7m               | 2.5, 2.5, 5     | 18.52               | NA              | NA                  |
Supplemental Figure 2

17-Ketosteroids (mg/24 hrs)

Subject 4
Subject 2
Subject 3

Supplemental Figure 2