

Suppl. Table 3: Severity of androgen excess in children 136 according to underlying diagnosis. Serum androgen data are presented as fold increased above the upper limit of normal (ULN) and as absolute serum concentrations, both expressed as median value and inter quartile ranges (IQR), if appropriate.

| | Premature Adrenache girls n=67 | Premature Adrenarche boys n=19 | Polycystic ovary syndrome n=24 | Congenital adrenal hyperplasia girls n=8 | Congenital adrenal hyperplasia boys n=6 | Isolated premature menarche n=5 | Central Precocious puberty n=5 | Adreno-cortical carcinoma n=1 | Cushing's disease n=1 |
|---------------------------------------|--|--|--|--|---|---|--|---|---------------------------------|
| Serum DHEAS | | | | | | | | | |
| Fold increase above ULN (median, IQR) | 1.5 (1.2; 2.2) | 1.1 (1.0; 1.5) | 1.0 (0.7, 1.3) | 0.1 (0.1; 0.3) | 0.7 (0.2; 1.3) | 1.2 (1.0; 1.4) | 1.2 (1.1; 2.7) | 29.8 | 0.4 |
| mol/L (median, IQR) | 2.8 (2.2; 3.7) | 3.6 (2.7; 5.3) | 9.1 (6.0; 11.7) | 0.7 (0.4; 2.8) | 2.2 (0.9; 3.3) | 2.6 (2.4; 3.3) | 5.9 (2.5; 6.0) | 15.8 | 2.3 |
| Serum androstenedione | | | | | | | | | |
| Fold increase above ULN (median, IQR) | 0.4 (0.3; 1.0) | 0.8 (0.6, 1.3) | 0.9 (0.7; 1.4) | 1.5 (1.2; 4.6) | 2.7 (1.5; 4.2) | 0.1 (0.1; 0.2) | 0.3 (0.3; 0.4) | 1.5 | 3.8 |
| nmol/L (median, IQR) | 1.0 (0.6; 1.7) | 1.2 (0.8; 1.7) | 6.3 (5.1; 9.9) | 7.8 (5.3; 25.7) | 9.1 (2.8; 13.4) | 1.0 (0.7; 1.1) | 1.5 (1.2; 2.7) | 4.5 | 6.4 |
| Serum testosterone | | | | | | | | | |
| Fold increase above ULN (median, IQR) | 0.4 (0.2; 0.8) | 0.6 (0.3; 0.8) | 1.1 (0.7, 1.3) | 1.2 (0.9; 1.5) | 0.5 (0.4; 0.7) | 0.1 (0.1; 0.2) | 0.3 (0.3; 0.4) | 0.1 | 0.6 |
| nmol/L | 0.3 | 0.3 | 2.4 | 1.8 | 6.7 | 0.3 | 0.6 | 0.9 | 0.1 |

| | | | | | | | | | |
|------------------|------------|------------|------------|------------|-------------|------------|------------|--|--|
| (median, IQR) | (0.2; 0.4) | (0.2; 0.5) | (1.4; 2.9) | (1.1; 2.0) | (1.5; 12.2) | (0.2; 0.3) | (0.4; 0.6) | | |
|------------------|------------|------------|------------|------------|-------------|------------|------------|--|--|

