Supplementary Information

Practice variations in the management of childhood nephrotic syndrome in the Netherlands

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Journal: European Journal of Pediatrics

Table of contents

| 1 | Supplemental Table 1 Demographics of the respondents |
| 2 | Supplemental Table 2 Factors associated with guideline adherence for several items of the questionnaire |
### Table 1 Demographics of the respondents

| Characteristic                      | Category                                      | N (%)* |
|-------------------------------------|-----------------------------------------------|--------|
| Gender                              | Male                                          | 21 (41%) |
|                                     | Female                                        | 30 (59%) |
| Age                                 | <41 years                                     | 9 (18%) |
|                                     | 41-50 years                                   | 22 (44%) |
|                                     | 51-60 years                                   | 15 (30%) |
|                                     | >60 years                                     | 4 (8%)  |
| Profession                          | General pediatrician                          | 13 (26%) |
|                                     | Pediatrician with focus on pediatric nephrology| 17 (33%) |
|                                     | Pediatric nephrologist                        | 20 (39%) |
|                                     | Pediatric nephrologist in training            | 1 (2%)  |
| Experience                          | 0-5 years                                     | 7 (19%) |
|                                     | 5-10 years                                    | 8 (23%) |
|                                     | 10-15 years                                   | 7 (19%) |
|                                     | >15 years                                     | 14 (39%) |
| Clinical practice vs other          | <50% clinical work                            | 2 (4%)  |
| responsibilities (e.g. research)    | 50% clinical work                             | 5 (10%) |
|                                     | >50% clinical work                            | 44 (86%) |
| Institution                         | Academic hospital                             | 18 (35%) |
|                                     | General hospital                              | 33 (65%) |

*Some respondents did not answer all questions, therefore the number (N) does not always add up to N=51

*Information only available for pediatric nephrologists (in training) and pediatricians with focus on pediatric nephrology
### Supplemental Table 1. Factors associated with guideline adherence for several items of the questionnaire

| Characteristic                             | Category                  | Dutch guideline adherence % (n) | p-value | KDIGO guideline adherence % (n) | p-value |
|--------------------------------------------|---------------------------|--------------------------------|---------|-------------------------------|---------|
| **Tapering of steroids first presentation of nephrotic syndrome** |                           |                                |         |                               |         |
| Profession                                 | Pediatric                 | 67% (20)                       | 0.26    | 33% (10)                      | 0.26    |
|                                            | Pediatric nephrologist    | 81% (17)                       |         |                               |         |
| Age group                                  | >48 years                 | 75% (18)                       | 0.65    | 25% (6)                       | 0.65    |
|                                            | ≤48 years                 | 69% (18)                       |         |                               |         |
| Clinical practice versus other responsibilities | >50% clinical work       | 73% (32)                       | 1.00    | 27% (12)                      | 1.00    |
|                                            | ≤50% clinical work        | 71% (5)                        |         |                               |         |
| Institution                                | Academic hospital         | 78% (14)                       | 0.74    | 22% (4)                       | 0.74    |
|                                            | General hospital          | 70% (23)                       |         |                               |         |
| **Steroid treatment relapse of nephrotic syndrome** |                           |                                |         |                               |         |
| Profession                                 | Pediatric                 | 58% (14)                       | 0.21    | 88% (21)                      | 1.00    |
|                                            | Pediatric nephrologist    | 39% (7)                        |         | 89% (16)                      |         |
| Age group                                  | >48 years                 | 58% (11)                       | 0.43    | 84% (16)                      | 0.65    |
|                                            | ≤48 years                 | 46% (10)                       |         | 91% (20)                      |         |
| Clinical practice versus other responsibilities | >50% clinical work       | 53% (19)                       | 0.66    | 89% (32)                      | 0.56    |
|                                            | ≤50% clinical work        | 33% (2)                        |         | 83% (5)                       |         |
| Institution                                | Academic hospital         | 38% (6)                        | 0.20    | 88% (14)                      | 1.00    |
|                                            | General hospital          | 58% (15)                       |         | 89% (23)                      |         |
| **Frequency of daily dosing**              |                           |                                |         |                               |         |
| Profession                                 | Pediatric                 | 100% (30)                      | NA      | 60% (18)                      | 0.14    |
|                                            | Pediatric nephrologist    | 100% (20)                      |         | 80% (16)                      |         |
| Age group                                  | >48 years                 | 100% (24)                      | NA      | 63% (15)                      | 0.31    |
|                                            | ≤48 years                 | 100% (25)                      |         | 76% (19)                      |         |
| Clinical practice versus other responsibilities | >50% clinical work       | 100% (43)                      | NA      | 72% (31)                      | 0.19    |
|                                            | ≤50% clinical work        | 100% (7)                       |         | 43% (3)                       |         |
| Institution                                | Academic hospital         | 100% (18)                      | NA      | 83% (15)                      | 0.08    |
|                                            | General hospital          | 100% (32)                      |         | 59% (19)                      |         |
| **Maximum daily dose**                     |                           |                                |         |                               |         |
| Profession                                 | Pediatric                 | 83% (19)                       | 1.00    | 13% (3)                       | 1.00    |
|                                            | Pediatric nephrologist    | 83% (15)                       |         | 17% (3)                       |         |
| Age group                                  | >48 years                 | 90% (17)                       | 0.41    | 5% (1)                        | 0.19    |
|                                            | ≤48 years                 | 76% (16)                       |         | 24% (5)                       |         |
| Clinical practice versus other responsibilities | >50% clinical work       | 86% (30)                       | 0.29    | 11% (4)                       | 0.21    |
|                                            | ≤50% clinical work        | 67% (4)                        |         | 33% (2)                       |         |
| Institution                                | Academic hospital         | 81% (13)                       | 1.00    | 19% (3)                       | 0.66    |
|                                            | General hospital          | 84% (21)                       |         | 12% (3)                       |         |
| **Maximum alternate day dose**             |                           |                                |         |                               |         |
| Profession                                 | Pediatric                 | ND                             | ND      | 9% (2)                        | 1.00    |
|                                            | Pediatric nephrologist    | ND                             | ND      | 12% (2)                       |         |
| Age group                                  | >48 years                 | ND                             | ND      | 6% (1)                        | 0.61    |
|                                            | ≤48 years                 | ND                             |         | 14% (3)                       |         |
| Clinical practice versus other responsibilities | >50% clinical work       | ND                             | ND      | 9% (3)                        | 0.49    |
|                                            | ≤50% clinical work        | ND                             |         | 17% (1)                       |         |
| Institution                                | Academic hospital         | ND                             | ND      | 7% (1)                        | 1.00    |
|                                            | General hospital          | ND                             |         | 12% (3)                       |         |
| **Definition steroid resistant nephrotic syndrome** |                       |                                |         |                               |         |
| Profession                                 | Pediatric                 | 64% (7)                        | 0.18    | 9% (1)                        | 0.62    |
|                                            | Pediatric nephrologist    | 38% (6)                        |         | 25% (4)                       |         |
| Age group                                  | >48 years                 | 54% (7)                        | 0.70    | 15% (4)                       | 1.00    |
|                                            | ≤48 years                 | 46% (6)                        |         | 15% (2)                       |         |
| Clinical practice versus other responsibilities | >50% clinical work       | 55% (12)                       | 0.33    | 23% (5)                       | 0.55    |
|                                            | ≤50% clinical work        | 20% (1)                        |         | 0% (0)                        |         |
| Institution          | Academic hospital | General hospital | Institution          | Academic hospital | General hospital |
|---------------------|-------------------|------------------|---------------------|-------------------|------------------|
|                     | 36% (5)           | 62% (8)          |                     | 21% (4)           | 15% (2)          |
| RAAS inhibition in steroid resistant nephrotic syndrome patients |                   |                  |                     |                   |                  |
| Profession          | Pediatric         | Pediatric nephrologist | ND                | ND                | 47% (7)          |
|                     | ND                | ND               |                     | ND                | 44% (7)          |
| Age group           | >48 years         | ND               | ≤48 years           | ND                | 36% (4)          |
|                     | ND                | ND               |                     | ND                | 44% (7)          |
| Clinical practice versus other responsibilities | >50% clinical work | ND                | ≤50% clinical work | ND                | 33% (8)          |
|                     | ND                | ND               |                     | ND                | 75% (3)          |
| Institution          | Academic hospital | ND               | General hospital   | ND                | ND               |
|                     | ND                | ND               |                     | 33% (6)           | 46% (6)          |

NA, not applicable; ND, no data (no recommendation available in the guideline); RAAS, renin-angiotensin-aldosterone system