**Chapter 8**

**Supplemental Data 2: Adrenal crisis, (surgical) outcome, and complications**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Berlin** | | | | **Leiden** | | | |
|  | **Adrenal crisis** | | **No adrenal crisis** | | **Adrenal crisis** | | **No adrenal crisis** | |
| N | % | N | % | N | % | N | % |
| *Adrenal crisis* | 19 crises in 129 patient-years at risk | | | | 22 crises in 328 patient-years at risk | | | |
| * *Number of crises per patient#* | 1.7 | 1-4 | - | - | 2.8 | 1-7 | - | - |
| * *Type of hospital admission - Regular ward - Intensive care* | 18 1 | 94.7 5.3 | - | - | 22 0 | 100.0 0.0 | - | - |
| * *Duration of hospital stay (days)^* | 8 | 5-12 | - | - | 4 | 2-5 | - | - |
| * *Hydrocortisone dose at hospital admission (mg/day) #* | 40 | 0-100 | - | - | 20 | 0-30 | - | - |
| * *Subphysiological dose of hydrocortisone replacement* | 1 | 5.3 | - | - | 6 | 27.3 | - | - |
| * *Infection* | 13 | 68.4 | - | - | 16 | 72.7 | - | - |
| * *Psychological stress* | 0 | 0.0 | - | - | 2 | 9.1 | - | - |
| *Surgical outcome* |  |  |  |  |  |  |  |  |
| * *Hydrocortisone dose (mg/day) at discharge^* | 50 | 35-65 | 30 | 20-50 | 20 | 0-35 | 20 | 20-40 |
| * *Serum cortisol direct postoperatively (nmol/L)^°* | 30 | 20-30 | 40 | 10-380 | 290 | 10-780 | 40 | 20-70 |
| * *Serum cortisol 3 to 6 months postoperatively (nmol/L)^°* | 230 | 10-230 | 60 | 10-220 | 150 | 60-600 | 120 | 40-240 |
| * *Restoration of HPA-axis in the first year postoperatively°* | 1 | 12.5 | 2 | 11.1 | 0 | 0.0 | 8 | 15.7 |
| * *Recurrent disease* | 2 | 18.2 | 3 | 10.3 | 0 | 0.0 | 9 | 15.5 |
| * *Adjuvant treatment* | 3 | 27.3 | 5 | 17.2 | 2 | 25.0 | 13 | 22.4 |
| *Complications* |  |  |  |  |  |  |  |  |
| * *Diabetes insipidus°+* | 2 | 33.3 | 5 | 33.3 | 3 | 50.0 | 10 | 21.7 |
| * *Anterior pituitary deficiency+*   *- one axis - two axes - three axes* | 2  1 0 1 | 33.3  16.7 0.0 16.7 | 5  3 1 1 | 31.3  18.7 6.3 6.3 | 4  2 2 0 | 66.7  33.3 33.3 0.0 | 10  8 1 1 | 21.2  17.0 2.1 2.1 |

HPA-axis=hypothalamus-pituitary-adrenal axis #mean + range, ^median + IQR, °data were missing for ≥5% of patients, +only for patients with transsphenoidal surgery