|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Biochemical markers** | **Days** | **Baseline (day 0)** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **13** |
| **Normal range** | **TPN\*****ATRA\*\*** | **D** |  | **D** | **L** |  |  |  |  |  |  |  |
| Sodium | 136-145 mmol/l | 140 |  | 145 | 131 | 146 | 141 | 139 | 146 | 143 | 141 | 141 | 144 | 146 |
| Potassium | 3.5-5.1 mmol/l | 3.8 | 3.9 | 3.4 | 5.9 | 3.5 | 3.5 | 3.4 | 3.8 | 3.9 | 3.9 | 2.4 | 2.5 | 2.6 |
| Chloride | 98-107 mmol/l | 102 |  | 102 | 97 | 107 | 105 | 107 | 108 | 108 | 105 | 104 | 102 | 99 |
| Urea | 2.1-7.1 mmol/l | 2.4 |  | 3.4 | 4.4 | 5.9 | 6.1 | 5.9 | 4.4 | 6.0 | 6.1 | 3.7 | 5.1 | 7.3 |
| Creatinine | 64-104 umol/l | 39 |  | 34 | 56 | 38 | 26 | 15 | 30 | 25 | 29 | 31 | 34 | 38 |
| Conjugated bilirubin | 0-3 umol/l | 1 |  |  |  | 3 |  |  |  |  | 4 |  | 3 |  |
| Total bilirubin | 5-21 umol/l | 10 |  |  |  | 9 | 16 |  |  |  | 9 |  | 10 | 9 |
| Total protein | 60-78 g/l | 58 |  |  |  | 46 | 40 |  |  |  | 42 |  | 51 | 65 |
| Albumin | 35-52 g/l | 18 | 17 |  |  | 14 | 19 | 16 | 12 |  | 13 |  | 16 | 28 |
| ALP | 40-120 U/l | 125 |  |  |  | 150 | 119 |  |  |  | 147 | 211 | 212 | 361 |
| GGT | 0-60 U/l | 86 |  |  |  | 62 | 54 |  |  |  | 96 |  | 71 | 212 |
| ALT | 5-40 U/l | 34 |  |  |  | 10 | 26 |  |  |  | 13 |  | 31 | 14 |
| AST | 5-40 U/l | 55 |  |  |  | 13 | 71 |  |  |  | 17 |  | 23 | 14 |
| LDH | 266-500 U/l |  |  |  |  |  |  |  |  |  |  |  |  | 624 |
| Corrected Ca | 2.15-2.55 mmol/l | 2.46 | 2.44 | 2.34 | 2.00 | 2.50 | 2.40 | 2.47 | 2.30 |  | 2.66 |  |  | 2.44 |
| Magnesium | 0.63-1.05 mmol/l | 0.61 | 0.62 | 0.83 | 0.78 |  | 0.61 | 0.78 | 1.04 |  | 0.89 |  |  | 0.69 |
| Phosphate | 0.78-1.42 mmol/l | 0.87 | 1.24 | 1.18 | 1.76 | 0.97 | 1.13 | 0.95 | 0.62 |  | 0.97 |  |  | 0.37 |
| CRP | 0-5 mg/l | 37 | 104 | 207 |  | 121 | 135 | 134 | 185 | 123 | 76 | 100 | 196 | 301 |