**Table S1. Use of corticosteroids and combination of treatments**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **N (%)** | **Day of start\*** | **Duration of treatment\*** |
| Corticosteroids use (ever during hospital stay) | 691/882 (78.3%) | 0 [0, 2]  | 7 [4, 10]  |
| Early use of corticosteroids  | 485/882 (55.0%) | 0 [0, 0]  | 7 [5, 11]  |
|  -Early use in the first 48 h after ICU admission |  365 (41.4%) |  |  |
|  -Onset before ICU admission |  120 (13.6%) |  |  |
| Non-early use of corticosteroids  | 397/882 (45.0%) |  |  |
|  -Delayed use (after 48 h of ICU admission) |  206 (23.4%) | 6 [3, 10]  | 6 [4, 8] |
|  -Never used |  191 (21.7%) |  |  |
| ***Timing of corticosteroids administration*** |   |   |   |
| From symptoms onset to first dose (days) |   | 12 [9, 16] / 682\*\*\* |   |
| From hospital admission to first dose (days) |   | 4 [2, 8] / 682\*\*\* |   |
| From ICU admission to first dose (days) |   | 0 [0, 2] / 691 |   |
| **Systemic corticosteroid drug**  |   |   |   |
| *Methylprednisolone*  | 516/882 (58.5%) | 0 [0, 4]  | 9 [5, 13]  |
| *Dexamethasone* | 226/882 (25.6%) | 1 [0, 4]  | 9 [5, 12]  |
| *Prednisone*  | 49/882 (5.6%) | 9 [1, 13]  | 3 [2, 7]  |
| **Corticosteroid dose** |  |  |   |
| *Low dose* | 142/882 (16.1%) | 0 [0, 4]  | 9 [5, 14]  |
|  *-Early use of low dose* |  131/882 (14.9%) |  |  |
| *Moderate-high dose* | 526/882 (59.6%) | 0 [0, 4]  | 6 [3, 8]  |
|  *-Early use of moderate-high dose* |  331/882 (37.5%) |  |  |
| ***Combinations of treatments*** |   |   |   |
| Only corticosteroids | 344/882 (39.0%) | 0 [0, 3] / 344 | 6 [4, 9] / 344 |
| Tocilizumab  | 406/882 (46.0%) | 0 [0, 2] / 406 | 3 [2, 4] / 406 |
|  -Only Tocilizumab | 59/882 (6.7%) | 0 [0, 2] / 59 | 3 [2, 4] / 59 |
|  -Corticosteroids + Tocilizumab\*\* | 347/882 (39.3%) |   |   |

\*Only among treated patients.

\*\*Simultaneously or not.

\*\*\*For 9 patients there is no information on symptoms onset or day of hospital admission.