SUPPLEMENTARY MATERIALS

Systematic Review of Myelitis in COVID-19

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Year** | **Newcastle-Ottawa Scale** | | |  |  |  |  |  |  |
|  |  | **Selection** | |  |  | **Comparability** | **Outcome** |  |  | **Total** |
|  |  | **Representativeness** | **Selection** | **Exposure ascertainment** | **Outcome not present at beginning** |  | **Assessment** | **Follow-up length** | **Follow-up quality** |  |
| Abdelhady(1) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| AlKetbi(2) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Baghbanian(3) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Chakraborty(4) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Chow(5) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Durrani(6) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Giorgianni(7) | 2020 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| Kaur(8) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Lisnic(9) | 2020 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| Maideniuc(10) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Masuccio(11) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Munz(12) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Paterson(13) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Rifino(14) | 2020 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Rifino(14) | 2020 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 6 |
| Sarma(15) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Sotoca(16) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Valiuddin(17) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Wong(18) | 2020 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 3 |
| Zachariadis(19) | 2020 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| Zhao(20) | 2020 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |

Supplementary Table 1: Bias assessment using the Newcastle-Ottawa Scale.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reference** | **Blood laboratory findings** | |  |  |  |  |  |  |  |  |  |  |
|  | **WBC** | **lymphocytes** | **platelets** | **Hb** | **ESR** | **ALAT/ASAT** | **D-dimers** | **aPTT** | **CRP** | **PCT** | **CK** | **creatinine** |
| Abdelhady(1) | + | + | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| AlKetbi(2) | WNL | NA | NA | - | WNL | NA | + | + | + | + | + | NA |
| Baghbanian(3) | WNL | NA | NA | NA | WNL | WNL | NA | NA | WNL | NA | NA | NA |
| Chakraborty(4) | WNL | WNL | WNL | WNL | WNL | WNL | NA | NA | NA | NA | NA | WNL |
| Chow(5) | WNL | WNL | (+) | WNL | + | WNL | + | NA | + | NA | WNL | WNL |
| Durrani(6) | WNL | WNL | WNL | WNL | WNL | WNL | NA | NA | WNL | NA | NA | WNL |
| Giorgianni(7) | + | - | WNL | NA | NA | + | + | NA | + | NA | NA | - |
| Kaur(8) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Lisnic(9) | + | NA | NA | NA | NA | NA | NA | NA | WNL | NA | NA | NA |
| Maideniuc(10)\* Valiuddin(17)\* | + | WNL | WNL | WNL | NA | WNL | WNL | NA | WNL | WNL | WNL | WNL |
| Masuccio(11) | WNL | - | WNL | WNL | NA | WNL | NA | NA | + | NA | WNL | WNL |
| Munz(12) | WNL | NA | WNL | WNL | NA | NA | NA | NA | (+) | NA | NA | NA |
| Paterson(13) | NA | WNL | WNL | WNL | NA | NA | NA | NA | WNL | NA | NA | NA |
| Rifino(14) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Rifino(14) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sarma(15) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Sotoca(16) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Wong(18) | WNL | WNL | NA | WNL | NA | + | NA | NA | (+) | NA | NA | WNL |
| Zachariadis(19) | - | WNL | WNL | WNL | NA | NA | NA | NA | + | NA | NA | WNL |
| Zhao(20) | + | - | NA | - | NA | + | NA | NA | + | + | + | WNL |

Supplementary Table 2: Routine blood laboratory values. NA=not available; WNL=within normal limits; + = above normal limits; - = below normal limits; (+)=upper limit of normal or slightly above normal; WBC=white blood cell count; Hb=hemoglobin; ESR=erythrocyte sedimentation rate; ALAT=alanine transaminase; ASAT=aspartate transaminase; aPTT=activated partial thromboplastin time; CRP=C-reactive protein; PCT=procalcitonin; CK=creatinine kinase; \*same case reported in two publications. Reported values correspond to the timepoint closest to onset of neurological symptoms.

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