**Table SI**: Individual patient details of immune therapy and symptomatic medication use during first presentation with anti-NMDAR encephalitis

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age(years) / Sex | Prosectively diagnosed | First line IT | Second Line IT | Presenting symptoms | Symptoms treated | Benzodiazepines | Anticonvulsants | Sedative and sleep medications | Antipsychotics | Medications for movement disorders |
| 5.6y/M | Yes | IVIG, IVMP, Pred | Rituximab | A,P,M | A,M,I | Midaz,Diaz | Phb | Chlor,Clon,Mel |  |  |
| 13y/M | No | IVMP |  | A,P,M | A,S,M,I,P | Midaz,Diaz, Loraz | Phb,Phy | Chlor,Clon,Ket,Mel | Ris,Dro, | Benz,dopa |
| 8.2y/M | No | IVMP, Pred |  | P,M | A,S,M,I,P | Midaz,Diaz,Loraz | Phb,Valp | Chlor,Clon,Ket,Mel | Hal | Benz,dopa |
| 7.3y/F | No | IVIG, IVMP, Pred |  | S,M | A,S,M,I,P | Midaz,Diaz, Loraz | Phb,Phy,Lev,Top,Valp | Chlor,Clon,Mel | Hal,Ris | Benz,dopa,Ama |
| 5.8y/M | No | - |  | S | A,M,P | Midaz,Diaz,Clob |  |  | Dro | dopa |
| 6.1y/M | Yes | IVIG, IVMP, Pred |  | A,S,M | A,S,M | Midaz,Diaz | Phb,Phy |  |  |  |
| 14.4y/F | Yes | IVIG, IVMP, PLEX, Pred | Rituximab | A,S,P | A,S,M,I,P | Midaz,Diaz,Loraz | Valp,Lev | Chlor,Clon,Trim,Mel | Ris,Olan |  |
| 3.3y/M | Yes | IVIG, IVMP, Pred | Rituximab | P,M,I | A,S,M,I | Midaz,Diaz,Clob | Lev | Chlor,Clon,Mel |  |  |
| 3.1y/M | No | IVIG |  | S,M | A,S | Diaz | Phb,Valp | Chlor,Trim |  |  |
| 3y/F | No | IVIG, IVMP, Pred |  | A,M | A,S,M | Midaz,Diaz,Clob | Phb,Cbz,Valp | Chlor,Trim |  |  |
| 1.1y/F | Yes | IVMP, Pred | Rituximab | A,S | A,S,M,I | Midaz,Clob | Phb,Lev,Phy,Valp | Chlor,Clon,Ket,Trim,Dex,Mel |  |  |
| 8y/F | No | - |  | A,M,I | A,S,M,I | Midaz,Clob | Phb,Phy,Lev | Chlor |  |  |
| 2.5y/M | No | IVIG, IVMP, Pred |  | M | A,S,M,I | Midaz,Loraz | Phb | Chlor,Clon,Ket,Trim |  | Tri |
| 12.6y/F | No | - |  | A,I | A,S,M,I,P | Clonaz,Diaz | Phy,Cbz | Chlor,Clon | Hal,Ris,Thio | Benz,Brom |
| 5.4y/F | No | - |  | A,S,I,P | A,S,M,P | Midaz | Cbz,Phy | Chlor | Thio | Bac |
| 7.3y/F | No | IVMP, Pred |  | A,M | A,S,M | Midaz | Phb,Cbz | Chlor | Hal | dopa |
| 14.2y/F | No | IVIG, PLEX |  | A,S,M | A,S,M,I | Midaz,Loraz | Phb,Valp,Phy | Chlor,Clon,Mel,Zop | Hal,Ris |  |
| 5.1y/F | Yes | IVIG, IVMP, PLEX, Pred | Rituximab, Cyclophosphamide | A,P | S,M,I | Midaz,Diaz | Valp,Lev,Phb,Phy | Chlor,Clon,Mel,Prom |  |  |
| 4.1y/F | Yes | IVIG, IVMP, Pred |  | A | A | Clob |  |  |  |  |
| 14.2y/F | Yes | IVIG |  | S | S,I,P | Midaz,Diaz | Lam,Phy | Zop |  |  |
| 2.2y/M | Yes | IVIG, IVMP, PLEX | Rituximab | A,S | A,S,M,I,P | Midaz,Diaz,Loraz,Clonaz | Cbz,Lev,Valp | Chlor,Clon,Ket,Dex,Mel | Ris | Bac |
| 7.1y/F | Yes | IVIG |  | M | A,S,M | Loraz | Valp |  |  |  |
| 16y/F | Yes | IVIG, IVMP, PLEX | Azathioprine | S,M,P | A,S,M,I | Midaz,Loraz | Lev,Valp | Mel | Hal,Ris |  |
| 1.5y/M | No | IVIG |  | S,M | A,S | Midaz | Phb,Lev,Phy,Cbz | Chlor,Clon |  |  |
| 1.8y/M | No | IVIG, IVMP, PLEX, Pred |  | S | A,S,M,I | Midaz,Clob | Phb,Phy,Valp,Cbz,Top | Chlor,Mel |  | dopa |
| 3.7y/F | Yes | Pred |  | S,P,I | A,S,M,I | Midaz,Loraz | Valp,Phb | Chlor,Clon,Ket,Mel |  |  |
| 14.9y/M | Yes | IVIG, IVMP, PLEX, Pred | Rituximab, Cyclophosphamide | A,M,P | A,S,M,P | Midaz,Diaz,Clonaz | Phb,Phy,Valp | Clon | Hal,Olan,Ris | Bac,Benz |

*Immune therapy*: IT, Immune therapy; IVIG, Intravenous Immunoglobulin; IVMP, Intravenous methylprednisolone; PLEX, Plasma exchange; Pred, Prednisolone.

*Symptoms*: A, Agitation; S, Seizures; P, Psychiatric symptoms; M, Movement disorders; I, Insomnia and other sleep disorders.

*Benzodiazepines*: Midaz, Midazolam; Diaz, Diazepam; Loraz, Lorazepam; Clob, Clobazam; Clonaz, Clonazepam.

*Anticonvulsants*: Phb, Phenobarbital; Phy, Phenytoin; Lev, Levetiracetam; Valp, Sodium Valproate; Top, Topiramate; Lam, Lamotrigine; Cbz, Carbamazepine.

*Sedatives*: Chlor, Chloral hydrate; Clon, Clonidine; Ket, Ketamine; Mel, Melatonin; Trim, Trimeprazine; Dex, Dexmedetomidine; Zop, Zopiclone, Prom, Promethazine.

*Antipsychotics*: Hal, Haloperidol; Ris, Risperidone; Dro, Droperidol; Thio, Thioridazine; Olan, Olanzapine.

*Movement disorders*: Benz, Benztropine; dopa, L-dopa/Carbidopa combination; Ama, Amantadine; Bac, Baclofen; Brom, Bromocriptine; Tri, Trihexyphenidyl (Benzhexol).