**Supplementary Table S1. Details of irAEs during ICI therapy and AEs during CP therapy**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case | 1st ICI | irAEs during 1st ICI therapy | irAE grade | | 2nd ICI | | irAEs during 2nd ICI therapy | irAE grade | AEs during CP therapy | AE grade |
| 1 | Nivo | - | | - | | Ipi | Rash  Neuropathy  Increasing AST/ALT | Grade 3  Grade 2  Grade 1 | Neutropenia  Neuropathy  Alopecia | Grade 3  Grade 2  Grade 2 |
| 2 | Nivo | - | | - | | Ipi | Adrenal insufficiency  Rash  Increasing AST/ALT | Grade 3  Grade 3  Grade 2 | Neutropenia  Rush  Neuropathy  Alopecia | Grade 4  Grade 1  Grade 2  Grade 2 |
| 3 | Ipi | Interstitial pneumonia | | Grade 1 | | Nivo | - | - | Neutropenia  Drug-induced lung injury  Neuropathy  Alopecia | Grade 4  Grade 1  Grade 1  Grade 2 |
| 4 | Nivo | Thyroiditis  Adrenal insufficiency  Increasing AST/ALT | | Grade 2  Grade 2  Grade 1 | | - | - | - | Fatigue  Nausea  Neuropathy  Alopecia | Grade 1  Grade 1  Grade 2  Grade 2 |
| 5 | Nivo | Myasthenia gravis  Adrenal insufficiency | | Grade 3  Grade 2 | | - | - | - | Neutropenia  Neuropathy  Alopecia | Grade 4  Grade 2  Grade 2 |
| 6 | Nivo | - | | - | | - | - | - | Neutropenia  Neuropathy  Alopecia | Grade 4  Grade 2  Grade 2 |
| 7 | Nivo | Colitis | | Grade 3 | | - | - | - | Neutropenia  Neuropathy  Alopecia | Grade 4  Grade 2  Grade 2 |

ICI: immune checkpoint inhibitor, irAE: immune-related adverse event, AE: adverse events, CP: a combination of carboplatin and paclitaxel, Nivo: nivolumab, Ipi: ipilimumab