**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 | RashNeuropathyIncreasing AST/ALT | Grade 3Grade 2Grade 1 | NeutropeniaNeuropathyAlopecia | Grade 3Grade 2Grade 2 |
| 2 | Nivo | - | - | Ipi | Adrenal insufficiencyRashIncreasing AST/ALT | Grade 3Grade 3Grade 2 | NeutropeniaRushNeuropathyAlopecia | Grade 4Grade 1Grade 2Grade 2 |
| 3 | Ipi | Interstitial pneumonia | Grade 1 | Nivo | - | - | NeutropeniaDrug-induced lung injuryNeuropathyAlopecia | Grade 4Grade 1Grade 1Grade 2 |
| 4 | Nivo | ThyroiditisAdrenal insufficiencyIncreasing AST/ALT | Grade 2Grade 2Grade 1 | - | - | - | FatigueNauseaNeuropathyAlopecia | Grade 1Grade 1Grade 2Grade 2 |
| 5 | Nivo | Myasthenia gravisAdrenal insufficiency | Grade 3Grade 2 | - | - | - | NeutropeniaNeuropathyAlopecia | Grade 4Grade 2Grade 2 |
| 6 | Nivo | - | - | - | - | - | NeutropeniaNeuropathyAlopecia | Grade 4Grade 2Grade 2 |
| 7 | Nivo | Colitis | Grade 3 | - | - | - | NeutropeniaNeuropathyAlopecia | Grade 4Grade 2Grade 2 |

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