### Supplementary Table 5: Immunotherapy related toxicities leading to dose modifications of IL-2

Following the indication for the dose modification, is in parentheses the patient number (pt) and the grade (gr) of the indication for dose modification/toxicity. CRI = catheter-related infection; AST = Aspartate transaminase; ALT = Alanine transaminase; AR = allergic reaction.; gr = grade. * Patient 12: received no IL-2 in IT course 4 due to liver transaminase (AST/ALT) abnormalities. ** Patient 26: catheter-related-infection between IT1 and IT2 → no “low dose” IL-2 (day 1 – 4 IT course 2) during IT course 2.

| Number of dose modifications | Course 2 n = 26 | Indication for dose modification | Course 4 n = 23 | Indication for dose modification |
|-----------------------------|-----------------|---------------------------------|-----------------|---------------------------------|
| 0                            |                 |                                 |                 |                                 |
| 1                            | n = 7           | • AST / ALT (pt9; gr2)          | n = 7           | • AR (pt4; gr3)                 |
|                              |                 | • AST / ALT (pt12; gr3)*        |                 | • AST / ALT (pt8; gr3)          |
|                              |                 | • Cough (pt13; gr3)             |                 | • AST / ALT (pt17; gr3)         |
|                              |                 | • Cough (pt14; gr3)             |                 | • Cough (pt14; gr3)             |
|                              |                 | • Cough (pt22; gr3)             |                 | • CRI (pt9; gr3)                |
|                              |                 | • CRI (pt3; gr3)                |                 | • CRI (pt18; gr3)               |
|                              |                 | • Dyspnea (pt24; gr3)           |                 | • CRI (pt21; gr3)               |
| 2                            | n = 7           | • AST / ALT (pt21; gr3)         | n = 3           | • AST / ALT (pt23; gr3)         |
|                              |                 | • CRI (pt21; gr3)               |                 | Hypoxia (pt23; gr3)             |
|                              |                 | • Fever (pt25; gr1)             |                 | Cough (pt25; gr3) 2x            |
|                              |                 | • Tachycardia (pt25; gr2)       |                 | CRI (pt22; gr4)                 |
|                              |                 | • Hypertension (pt16; gr3) 2x   |                 | Fever (pt22; gr2)               |
|                              |                 | • Pain (pt1; gr4);             |                 |                                 |
|                              |                 | • AR (1; G3)                    |                 |                                 |
| 3                            | n = 2           | • AR (pt7; gr3)                 | n = 1           | • Cough (pt2; gr2)              |
|                              |                 | Hypotension (pt7; gr3)          |                 | Cough (pt2; gr3) 2x             |
|                              |                 | Fever (pt7; gr2)                |                 |                                 |
|                              |                 | • CRI (pt26; gr3)**             |                 |                                 |
|                              |                 | Cough (pt26; gr3)               |                 |                                 |
|                              |                 | Fever (pt26; gr3)               |                 |                                 |
| 4                            | n = 1           | • 4x Cough (pt2; gr2)           |                 |                                 |