**Supplementary Table 1. Treatment regimens based on** **EBUS-TBNA and LB results**

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| **Treatment regimen** | **Number of patients treated (%)** |
| Afatinib | 2 (4.5%) |
| Atezolizumab | 1 (2.3%) |
| Carboplatin/paclitaxel/atezolizumab/bevacizumab | 1 (2.3%) |
| Carboplatin/gemcitabine | 1 (2.3%) |
| Carboplatin/paclitaxel ± XRT | 2 (4.6%) |
| Carboplatin/paclitaxel/pembrolizumab | 1 (2.3%) |
| Carboplatin/paclitaxel-protein bound ± pembrolizumab | 4 (9.1%) |
| Carboplatin/fluorouracil/pembrolizumab | 1 (2.3%) |
| Carboplatin/pemetrexed ± pembrolizumab | 12 (27.2%) |
| Cisplatin/docetaxel  Cisplatin/etoposide/durvalumab  Cisplatin/gemcitabine  Cisplatin/pemetrexed  Crizotinib | 1 (2.3%)  1 (2.3%)  1 (2.3%)  3 (6.8%)  1 (2.3%) |
| Durvalumab | 1 (2.3%) |
| Gefitinib | 1 (2.3%) |
| Gemcitabine | 1 (2.3%) |
| Larotrectinib | 1 (2.3%) |
| Nivolumab | 2 (4.5%) |
| Osimertinib | 4 (9.1%) |
| Pembrolizumab | 1 (2.3%) |

EBUS-TBNA, endobronchial ultrasound-guided transbronchial needle aspiration; LB, liquid biopsy; XRT, radiation therapy