**Supplemental Digital Content 3: Details about systemic therapy**

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|  | **Stage III (1)** | **Stage IV (1)** |  |  | |  |  |
| **a) First systemic treatment received** | (n=31),  [n (%)] | (n=36),  [n (%)] |  |  | |  |  |
| ChT | 0 (0) | 17 (47.2) |  |  | |  |  |
| IT | 9 (29) | 9 (25) |  |  | |  |  |
| TT | 1 (3.2) | 3 (8.3) |  |  | |  |  |
| None | 21 (67.7) | 6 (16.7) |  |  | |  |  |
| Othera | 0 (0) | 1 (2.8) |  |  | |  |  |
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|  |  |  |  |  | |  |  |
|  | **Previous treatment: ChT** | | **Previous treatment: IT** | | | **Previous treatment: TT** | |
| **b) Second systemic treatment received** | (n=17) |  | (n=18) | |  | (n=4) |  |
| ChT | 4 |  | 5 | |  | 1 |  |
| IT | 4 |  | 4 | |  | 2 |  |
| TT | 4 |  | 0 | |  | 0 |  |
| None | 5 |  | 8 | |  | 1 |  |
| Otherb | 0 |  | 1 | |  | 0 |  |
|  |  |  |  | |  |  |  |
|  |  |  |  | |  |  |  |
|  |  |  |  | |  |  |  |
| **c) Third systemic treatment received** | (n=13) |  | **d) Fourth treatment received** | | | (n=5) |  |
| ChT | 6 |  | ChT | |  | 1 |  |
| IT | 4 |  | IT | |  | 1 |  |
| TT | 3 |  | TT | |  | 3 |  |
|  |  |  |  | |  |  |  |
|  |  |  |  | |  |  |  |
| **e) Fifth treatment received** | (n=3) |  | **f) Sixth treatment received** | | | (n=1) |  |
| ChT | 2 |  | ChT | |  | 1 |  |
| IT | 0 |  | IT | |  | 0 |  |
| TT | 1 |  | TT | |  | 0 |  |

First treatment is listed separately for stage III and IV patients, all other treatments are referring to all patients with metastatic disease, regardless of stage. ChT, chemotherapy; IT, immunotherapy, TT, targeted therapy.

adacarbazine+adeno-IL-2 (chemo/immunotherapy); bpasireotide (somatostatin-analogon)

1. Balch CM, Gershenwald JE, Soong SJ, Thompson JF, Atkins MB, Sondak VK *et al.* Final version of 2009 AJCC melanoma staging and classification. *J Clin Oncol* 2009; **27**:6199-206.