**Supplement material 3** Comparison of characteristics between patients with no or mild BTRs and moderate to severe BTRs in different drug types

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| --- | --- | --- | --- |
|  | Platins | Taxanes | mAbs |
|  | No BTR, Gr 1 (n=557) | BTR ≥ Gr 2(n=94) | *p* value | No BTR, Gr 1(n=211) | BTR ≥ Gr 2(n=18) | *p* value | No BTR, Gr 1 (n=224) | BTR ≥ Gr 2(n=39) | *p* value |
|  Severity of initial HSR |  |  |  |  |  |  |  |  |  |
|  Grade 1 | 76 (18%) | 4 (4%) | 0.008 | 6 (3%) | 1 (6%) | 0.443 | 9 (4%) | 2 (5%) | 0.922 |
|  Grade 2 | 260 (60%) | 64 (68%) | 113 (56%) | 11 (61%) | 80 (37%) | 14 (36%) |
|  Grade 3 | 97 (22%) | 26 (28%) | 83 (41%) | 6 (33%) | 128 (59%) | 23 (59%) |
|  Steroid premedication | 332 (77%) | 63 (67%) | 0.050 | 211 (100%) | 18 (100%) | - | 114 (53%) | 15 (39%) | 0.074 |
| *BTR; breakthrough reaction, mAbs; monoclonal antibodies* |