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| **Supplementary** **Table 1** Multivariate analysis of PFS/OS with backward selection strategy | | | |  |
| Parameter | PFS Hazard ratio (95%-CI) | p-value | OS Hazard ratio (95%-CI) | p-value | |
| SI vs. RI- conditioning | 0.90 (0.50 – 1.62) | 0.73 | 0.71 (0.37 – 1.35) | 0.29 | |
| Age 60-69 vs. ≥ 70 | 2.11 (1.18 – 3.74) | **0.01** | 2.05 (1.07 – 3.91) | **0.03** | |
| CR/PR1 vs. CR/PR>1 | 2.80 (1.61 – 4.87) | **<.0001** | 3.78 (1.98 – 7.21) | **<.0001** | |
| CR/PR1 vs. refractory disease | 4.70 (2.51 – 8.80) | **<.0001** | 6.68 (3.31 – 13.49) | **<.0001** | |

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| **Supplementary** **Table 2** Causes of death | | | |
| Parameter | Whole cohort | SI-group | RI-group |
| Progressive disease | 20 (13.7%) | 10 (11.6%) | 10 (16.7%) |
| ASCT related | 11 (7.5%) | 6 (7%) | 5 (8.3%) |
| Allo-SCT related | 5 (3.4%) | 3 (3.5%) | 2 (3.3%) |
| Other causes | 6 (4.1%) | 4 (4.7%) | 2 (3.3%) |
| Cause not known | 19 (13%) | 12 (14%) | 7 (11.7%) |

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| **Supplementary** **Table 3** Toxicities | | | |
| Parameter (≥ grade 3) | Whole cohort | SI-group | RI-group |
| Febrile neutropenie | 146 (100%) | 86 (100%) | 60 (100%) |
| Enterocolitis | 58 (39.7%) | 36 (41.9%) | 22 (36.7%) |
| Sepsis | 35 (24%) | 22 (25.6%) | 13 (21.7%) |
| Mucositis | 29 (19.9%) | 18 (20.9%) | 11 (18.3%) |
| Urinary tract infection | 24 (16.4%) | 13 (15.1%) | 11 (18.3%) |
| Lung infection | 18 (12.3%) | 10 (11.6%) | 8 (13.3%) |
| Atrial fibrillation | 15 (10.3%) | 8 (9.3%) | 7 (11.7%) |
| Catheter related infection | 5 (3.4%) | 2 (2.3%) | 3 (5%) |
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