**Supplemental Digital Content item 5.** Table comparing demographics between the two clusters.

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|  | **Cluster 1 (no alpha reduction)**  **N=9** | **Cluster 2 (alpha reduction)**  **N=8** | **p-value** |
| Age – years, mean (SD) | 3.7 (1.6) | 3.98 (1.7) | 0.97 |
| Sex – female, number (%) | 9 (100) | 5 (63) | 0.08 |
| Weight – kg, mean (SD) | 17.8 (5.6) | 16.8 (3.9) | 0.67 |
| CNS tumors – number (%) | 5 (55) | 5 (63) | 0.99 |
| CMT – number (%) | 6 (66.6) | 1 (13) | 0.05 |
| Number of RDT sessions – median (IQR) | 25 (9-32) | 29 (9-31) | 0.99 |
| Duration of RDT sessions – minutes, median (IQR) | 17.7 (15.5-21.8) | 17.7 (15.7-23.2) | 0.07 |

*CNS, central nervous system; CMT, chemotherapy; IQR, interquartile range; RDT, radiotherapy; SD, standard deviation*