### APPENDIX

**Table A1**  
*Table of acronyms used in the paper.*

| Acronym | Definition |
|---------|------------|
| BRAR    | Bayesian Response-Adaptive Randomization |
| CARA    | Covariate-Adjusted Response-Adaptive |
| DBCD    | Doubly-adaptive Biased Coin Design |
| DTL     | Drop-The-Loser |
| ENF     | Expected Number of Failures |
| ENS     | Expected Number of Successes |
| ER      | Equal Randomization |
| ERADE   | Efficient Response-Adaptive Randomization Designs |
| FLGI    | Forward-Looking Gittins Index |
| MAMS    | Multi-Arm Multi-Stage |
| MLE     | Maximum Likelihood Estimator |
| PBR     | Permuted Block Randomization |
| RAR     | Response-Adaptive Randomization |
| RCT     | Randomized Controlled Trial |
| RPW     | Randomized Play-the-Winner |
| TS      | Thompson Sampling |
| TW      | Thall and Wathen |
Table A2
Properties of various patient allocation procedures, where $p_0 = 0.25$ and $p_1 = 0.45$. Results are from $10^4$ trial replicates.

| $n$  | Procedure | $N_1 - N_0$   | $\hat{S}_{0.1}$ | ENS   |
|------|-----------|---------------|-----------------|-------|
| 200  | ER        | 0 (-28, 28)   | 0.069           | 70 (6.8) |
|      | PBR       | 0             | 0               | 70 (6.6) |
|      | Oracle    | 200           | 0               | 90 (7.0) |
|      | TS        | 147 (-54, 194)| 0.032           | 85 (9.5) |
|      | FLGI($b = 5$) | 165 (48, 194) | 0.014           | 86 (8.6) |
|      | FLGI($b = 10$) | 164 (56, 192) | 0.014           | 86 (8.6) |
|      | TW(1/2)   | 124 (24, 182) | 0.008           | 82 (8.2) |
|      | TW($i/2n$) | 88 (20, 148)  | 0.001           | 79 (7.6) |
|      | RPW       | 30 (-2, 64)   | 0.000           | 73 (7.1) |
|      | DBCD      | 30 (6, 58)    | 0.000           | 73 (6.6) |
|      | ERADE     | 29 (8, 52)    | 0.000           | 73 (6.6) |
|      | DTL       | 30 (10, 50)   | 0.000           | 73 (7.1) |