Systemic toxicities of trastuzumab-emtansine predict tumor response in HER2+ metastatic breast cancer

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Supplemental tables 1-3

### Supplemental Table 1: Baseline Laboratory Values Analysis: Complete Case versus Imputed Missing Values

| Baseline Laboratories                  | Available/Missing | Complete | Missing Imputed |
|---------------------------------------|-------------------|----------|-----------------|
| Platelet Count (S.D.), thousands      | 69/4              | 277k (±82k) | 278k (±81k)    |
| Platelet Count Range                  | 69/4              | 134k - 509k | 134k - 509k    |
| ALT(S.D.) IU/L                        | 68/5              | 29.8 (±19.8) | 30.3 (±19.9)   |
| AST(S.D.) IU/L                        | 68/5              | 39.6 (±57.2) | 40.5 (±54.2)   |

*Total of 82 patients identified. Nine exclusions: One due to concurrent ITP. Eight due to lack of follow up imaging for various reasons. A total of 73 evaluable patients had follow-up scans. S.D. = standard deviation.

### Supplemental Table 2: Toxicity Sum Score (TSS) and Baseline Laboratory Values Analysis: Complete Case versus Imputed Missing Values

| Baseline Laboratories                  | Available/Missing | Complete | TSS $R^2$ | p-value |
|---------------------------------------|-------------------|----------|-----------|---------|
| Platelet Count (S.D.), thousands      | 69/4              |          | 0.0109    | 0.394   |
| ALT(S.D.) IU/L                        | 68/5              |          | 0.0003    | 0.897   |
| AST(S.D.) IU/L                        | 68/5              |          | 0.0036    | 0.633   |

*Total of 82 patients identified. Nine exclusions: One due to concurrent ITP. Eight due to lack of follow up imaging for various reasons. Total of 73 evaluable patients with follow-up scans. TSS $R^2$ is the variation in Toxicity Sum Score explained by the baseline laboratory values. The p-value is for the hypothesis test of linear association between baseline lab values and Toxicity Sum Score.
| HR | HBA1c % | Complete case analysis | Available/missing values analysis |
|----|---------|------------------------|---------------------------------|
| 80  | 10.6%   | 81/100 (81.0%)         | 3/100 (3.0%)                    |
| 90  | 11.7%   | 3/100 (3.0%)           | 81/100 (81.0%)                  |
| 100 | 10.0%   | 8/99 (8.0%)            | 92/100 (92.0%)                  |

Supplemental Table: Baseline laboratory values and progression-free survival analyses.