Differential impact of tamoxifen and aromatase inhibitors on thrombin generation: the prospective HEMOBREAST cohort

SUPPLEMENTAL DATA

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Supplementary Table 1. Change in other measurements of thrombin generation, with and without activated protein C or thrombomodulin, stratified by use of tamoxifen and aromatase inhibitors, and adjusted differences in change of these measures between the groups.

|                         | Tamoxifen (n=42) | Aromatase inhibitors (n=65) | Difference between tamoxifen and aromatase inhibitor |
|-------------------------|------------------|----------------------------|-----------------------------------------------------|
|                         | T1 mean (SD)     | T2 mean (SD)               | Absolute difference (95%CI)                         | T1 mean (SD)     | T2 mean (SD)               | Absolute difference (95%CI) | P value | Adjusted absolute difference * (95%CI) | P-value |
| Lag time [min]          | 3.4 (0.7)        | 3.0 (0.5)                  | -0.4 (-0.5 to -0.3)                                | 3.8 (0.8)        | 3.9 (0.7)                  | 0.0 (-0.1 to 0.1)            | 0.76     | -0.5 (-0.7 to -0.3)              | <0.001   |
| Time to peak [min]      | 7.3 (1.3)        | 6.5 (1.0)                  | -0.8 (-1.0 to -0.6)                                | 8.2 (1.3)        | 8.1 (1.3)                  | -0.1 (-0.2 to 0.1)           | 0.45     | -1.0 (-1.3 to -0.7)             | <0.001   |
| ETP with APC [nMxmin]   | 933.1 (306.9)    | 1087.3 (270.4)             | +154.2 (+103.2 to +205.2)                          | 820.8 (203.1)    | 852.1 (282.2)              | +31.4 (-19.0 to 81.7)        | 0.22     | +180.2 (+94.9 to +265.5)         | <0.001   |
| ETP with TM [nMxmin] | 589.9 (283.5) | 813.6 (304.6) | +223.7 (+165.2 to +282.3) | <0.001 | 406.1 (215.6) | 431.8 (211.1) | +25.7 (-14.2 to +65.6) | 0.2 | +229.9 (+149.1 to +310.7) | <0.001 |

*Adjusted for age, BMI, current smoking and baseline value at T1

APC = activated protein C; ETP = endogenous thrombin potential; TM = thrombomodulin; SD = standard deviation