Table S1: Corrlation between citrulline and DAO in CBT group

|            | DAO     |
|------------|---------|
|            | pre     | day 0 | day 7 | day 14 | day 21 | day 28 |
| CIT cc.    | 0.215   | -0.215| -0.124| 0.249  | 0.229  | 0.211  |
| p          | 0.425   | 0.425 | 0.649 | 0.353  | 0.412  | 0.451  |

Abbreviation: cc., correlation coefficient

Table S2: Corrlation between citrulline and DAO in autologous PBSCT group

|            | DAO     |
|------------|---------|
|            | pre     | day 0 | day 7 | day 14 | day 21 | day 28 |
| CIT cc.    | -0.149  | -0.1  | -0.16 | 0.157  | -0.09  | -0.262 |
| p          | 0.518   | 0.666 | 0.489 | 0.496  | 0.699  | 0.366  |

Table S3: Correlation between citrulline levels and laboratory parameters in CBT group.

|            | citrulline     |
|------------|----------------|
|            | pre | day 0 | day 7 | day 14 | day 21 | day 28 |
| Trf cc.    | 0.5 | 0.211 | -0.284| 0.218  | -0.057| -0.178 |
| p          | 0.854 | 0.451 | 0.305 | 0.435  | 0.846 | 0.543  |
| Ttr cc.    | 0.289 | -0.321| -0.221| 0.115  | 0.018 | -0.011 |
| p          | 0.278 | 0.243 | 0.428 | 0.672  | 0.95  | 0.97   |
| RBP cc.    | 0.374 | 0.078 | -0.118| 0.4    | 0.138 | 0.111  |
| p          | 0.153 | 0.774 | 0.675 | 0.884  | 0.624 | 0.694  |
| Alb cc.    | 0.435 | 0.193 | 0.097 | 0.293  | 0.143 | 0.061  |
| p          | 0.092 | 0.474 | 0.731 | 0.271  | 0.612 | 0.828  |
| CRP cc.    | -0.506| -0.208| -0.044| -0.597 | -0.319| -0.446 |
| p          | 0.054 | 0.441 | 0.871 | 0.015* | 0.267 | 0.095  |
| ANC cc.    | -0.524| 0.509 | 0.538 | 0.389  | 0.589 | 0.657  |
| p          | 0.037*| 0.044*| 0.032*| 0.137  | 0.021*| 0.008* |

Abbreviation: cc., correlation coefficient, Trf; transferrin, Ttr; transthyretin, RBP; retinol-binding protein, Alb; albumin, ANC; absolute neutrophil counts
*: p<0.05

Table S4: Correlation between DAO levels and laboratory parameters in CBT group.

|            | DAO     |
|------------|---------|
|            | pre | day 0 | day 7 | day 14 | day 21 | day 28 |
| Trf cc.    | -0.305| -0.521| -0.446| 0.003  | -0.651| -0.525 |
| p          | 0.251 | 0.046 | 0.11  | 0.992  | 0.012*| 0.054  |
| Ttr cc.    | -0.261| -0.378| -0.096| 0.484  | 0.279 | -0.289 |
| p          | 0.329 | 0.148 | 0.732 | 0.057  | 0.314 | 0.296  |
| RBP cc.    | -0.14 | -0.258| -0.075| 0.365  | 0.208 | -0.071 |
| p          | 0.605 | 0.335 | 0.79  | 0.164  | 0.457 | 0.8    |
| Alb cc.    | -0.016| -0.345| 0.294 | 0.211  | 0.038 | -0.126 |
| p          | 0.952 | 0.191 | 0.287 | 0.433  | 0.893 | 0.653  |
| CRP cc.    | -0.105| -0.332| -0.259| -0.527 | -0.004| 0.125  |
| p          | 0.708 | 0.208 | 0.244 | 0.036* | 0.998 | 0.657  |
| ANC cc.    | -0.41 | -0.168| -0.117| 0.354  | -0.021| 0.329  |
| p          | 0.88  | 0.535 | 0.667 | 0.179  | 0.94  | 0.232  |

*: p<0.05
### Table S5: Correlation between citrulline levels and laboratory parameters in autologous PBSCT group.

|        | pre   | day 0   | day 7   | day 14  | day 21   | day 28   |
|--------|-------|---------|---------|---------|----------|----------|
| Trf cc.| −0.165| 0.302   | −0.019  | −0.047  | 0.233    | 0.306    |
| p      | 0.475 | 0.183   | 0.937   | 0.84    | 0.324    | 0.288    |
| Trf cc.| −0.078| 0.214   | 0.424   | 0.276   | 0        | 0.266    |
| p      | 0.732 | 0.351   | 0.062   | 0.226   | 1.000    | 0.358    |
| RBP cc.| 0.092 | 0.383   | 0.531   | 0.307   | 0.02     | 0.427    |
| p      | 0.691 | 0.096   | 0.016   | 0.176   | 0.935    | 0.128    |
| Alb cc.| −0.054| 0.024   | 0.463   | 0.561   | 0.306    | 0.525    |
| p      | 0.815 | 0.919   | 0.034   | 0.008*  | 0.19     | 0.054    |
| CRP cc.| −0.006| −0.046  | −0.621  | −0.265  | −0.044   | 0.199    |
| p      | 0.98  | 0.844   | 0.008*  | 0.259   | 0.855    | 0.514    |
| RBP cc.| 0.092 | 0.383   | 0.531   | 0.307   | 0.02     | 0.427    |
| p      | 0.691 | 0.096   | 0.016   | 0.176   | 0.935    | 0.128    |
| Alb cc.| −0.054| 0.024   | 0.463   | 0.561   | 0.306    | 0.525    |
| p      | 0.815 | 0.919   | 0.034   | 0.008*  | 0.19     | 0.054    |
| CRP cc.| −0.006| −0.046  | −0.621  | −0.265  | −0.044   | 0.199    |
| p      | 0.98  | 0.844   | 0.008*  | 0.259   | 0.855    | 0.514    |
| ANC cc.| −0.238| 0.186   | 0.118   | −0.135  | −0.108   | −0.319   |
| p      | 0.3   | 0.42    | 0.61    | 0.559   | 0.65     | 0.267    |

*: p<0.05

### Table S6: Correlation between DAO levels and laboratory parameters in autologous PBSCT group.

|        | pre   | day 0   | day 7   | day 14  | day 21   | day 28   |
|--------|-------|---------|---------|---------|----------|----------|
| Trf cc.| 0.263 | −0.069  | 0.123   | −0.058  | 0.148    | 0.029    |
| p      | 0.249 | 0.767   | 0.607   | 0.801   | 0.533    | 0.923    |
| Trf cc.| 0.277 | −0.114  | 0.088   | 0.002   | −0.197   | −0.064   |
| p      | 0.225 | 0.622   | 0.712   | 0.993   | 0.405    | 0.829    |
| RBP cc.| 0.241 | 0.218   | −0.002  | −0.256  | −0.002   | −0.145   |
| p      | 0.306 | 0.357   | 0.992   | 0.263   | 0.995    | 0.62     |
| Alb cc.| 0.1   | 0.013   | −0.112  | −0.115  | −0.332   | 0.027    |
| p      | 0.668 | 0.957   | 0.63    | 0.62    | 0.153    | 0.928    |
| CRP cc.| −0.009| −0.168  | 0.178   | −0.038  | −0.005   | 0.346    |
| p      | 0.97  | 0.466   | 0.44    | 0.875   | 0.982    | 0.247    |
| ANC cc.| 0.301 | 0.123   | −0.257  | −0.023  | −0.308   | 0.363    |
| p      | 0.184 | 0.594   | 0.262   | 0.92    | 0.186    | 0.203    |