**Table S1:** BWT [mm] of clinical responders (yes) and non-responders (no) at T2 (n=178) and change in BWT [mm] between T2 and baseline. Valid indicates the number of patients with valid BWT measurements.

**Table S1 BWT [mm] of clinical responders (yes) and non-responders (no) at T2 (n = 178) and change in BWT [mm] between T2 and baseline**

| Parameter | N | | | | | | Percentile | | |
|---|---|---|---|---|---|---|---|---|---|
| | valid | invalid | Mean | SD | Min. | Max. | 25 | Median | 75 |
| **Baseline - colon sigmoideum** (p = 0.004)* | | | | | | | | | |
| Total (n = 178) | 174 | 4 | 5.55 | 1.31 | 2.50 | 10.00 | 4.70 | 5.20 | 6.20 |
| Yes (n = 145) | 141 | 4 | 5.60 | 1.36 | 2.50 | 10.00 | 4.70 | 5.30 | 6.40 |
| No (n = 33) | 33 | 0 | 5.30 | 1.03 | 3.60 | 8.40 | 4.70 | 5.00 | 5.60 |
| **Baseline - colon descendens** (p = 0.011)* | | | | | | | | | |
| Total (n = 178) | 160 | 18 | 5.11 | 1.77 | 1.10 | 11.00 | 3.90 | 5.00 | 6.00 |
| Yes (n = 145) | 131 | 14 | 5.21 | 1.81 | 1.10 | 11.00 | 4.00 | 5.00 | 6.00 |
| No (n = 33) | 29 | 4 | 4.66 | 1.50 | 1.60 | 7.30 | 3.50 | 4.80 | 5.70 |
| **Week 12 - colon sigmoideum** (p < 0.001)* | | | | | | | | | |
| Total (n = 178) | 141 | 37 | 3.92 | 1.60 | 1.40 | 9.80 | 2.80 | 3.70 | 4.80 |
| Yes (n = 145) | 112 | 33 | 3.68 | 1.62 | 1.40 | 9.80 | 2.60 | 3.35 | 4.55 |
| No (n = 33) | 29 | 4 | 4.84 | 1.17 | 2.50 | 7.00 | 4.10 | 4.60 | 5.90 |
| **Week 12 - colon descendens** (p < 0.001)* | | | | | | | | | |
| Total (n = 178) | 116 | 62 | 3.74 | 1.63 | 1.00 | 10.1 | 2.50 | 3.60 | 4.50 |
| Yes (n = 145) | 92 | 53 | 3.52 | 1.72 | 1.00 | 10.1 | 2.30 | 3.00 | 4.35 |
| No (n = 33) | 24 | 9 | 4.57 | 0.87 | 2.70 | 7.00 | 4.00 | 4.50 | 5.10 |
| **Change baseline - week 12 - colon sigmoideum** (p < 0.001)* | | | | | | | | | |
| Total (n = 178) | 140 | 38 | 1.59 | 1.82 | -5.00 | 6.00 | 0.55 | 1.65 | 2.70 |
| Yes (n = 145) | 111 | 34 | 1.89 | 1.84 | -5.00 | 6.00 | 0.85 | 1.90 | 3.00 |
| No (n = 33) | 29 | 4 | 0.43 | 1.23 | -2.00 | 2.70 | -0.30 | 0.30 | 1.30 |
| **Change baseline – week 12 - colon descendens** (p < 0.001)* | | | | | | | | | |
| Total (n = 178) | 114 | 64 | 1.44 | 2.31 | -5.30 | 9.00 | 0 | 1.15 | 2.70 |
| Yes (n = 145) | 90 | 55 | 1.79 | 2.39 | -5.30 | 9.00 | 0.50 | 1.65 | 3.20 |
| No (n = 33) | 24 | 9 | 0.09 | 1.30 | -2.10 | 2.80 | -0.75 | -0.10 | 0.65 |

* Mann-Whitney U Test

**Table S2:** Distributions of BWT [mm] and of change in BWT [mm] for baseline (n=224), week 6 (n=189) and week 12 (n=178). Valid indicates the number of patients with valid BWT measurements at each visit.

**Table S2 Distributions of BWT [mm] and of changes in BWT [mm] (n = 224)**

| Parameter | N | | Mean | SD | Min. | Max. | Percentile | | |
|---|---|---|---|---|---|---|---|---|---|
| | valid | invalid | | | | | 25 | Median | 75 |
| **BWT baseline - colon sigmoideum** | | | | | | | | | |
| mITT (n = 224) | 218 | 6 | 5.53 | 1.36 | 2.50 | 10.0 | 4.60 | 5.05 | 6.20 |
| **BWT week 6 - colon sigmoideum** | | | | | | | | | |
| Total (n = 189) | 156 | 33 | 4.01 | 1.47 | 0.28 | 8.00 | 3.00 | 4.00 | 5.00 |
| **BWT week 12 - colon sigmoideum** | | | | | | | | | |
| Total (n = 178) | 140 | 38 | 3.92 | 1.61 | 1.40 | 9.80 | 2.75 | 3.75 | 4.85 |
| **BWT baseline - colon descendens** | | | | | | | | | |
| mITT (n = 224) | 198 | 26 | 5.09 | 1.74 | 1.00 | 11.00 | 4.00 | 5.00 | 6.00 |
| **BWT week 6 - colon descendens** | | | | | | | | | |
| Total (n = 189) | 137 | 52 | 3.55 | 1.42 | 0.22 | 10.1 | 2.50 | 3.50 | 4.50 |
| **BWT week 12 - colon descendens** | | | | | | | | | |
| Total (n = 178) | 115 | 63 | 3.74 | 1.64 | 1.00 | 10.1 | 2.50 | 3.60 | 4.50 |
| **Change BWT baseline – week 6- colon sigmoideum** | | | | | | | | | |
| mITT (n = 189) | 122 | 67 | 2.08 | 1.42 | 0.10 | 6.00 | 1.00 | 1.80 | 3.00 |
| **Change BWT baseline – week 12- colon sigmoideum** | | | | | | | | | |
| Total (n = 178) | 117 | 61 | 2.12 | 1.39 | 0.10 | 6.00 | 1.00 | 2.00 | 3.00 |
| **Change BWT baseline – week 6- colon descendens** | | | | | | | | | |
| mITT (n = 189) | 109 | 80 | 2.31 | 1.87 | 0.10 | 9.00 | 0.90 | 2.00 | 3.30 |
| **Change BWT baseline – week 12- colon descendens** | | | | | | | | | |
| Total (n = 178) | 83 | 95 | 2.35 | 1.87 | 0.10 | 9.00 | 1.00 | 2.00 | 3.50 |

* Mann-Whitney U Test

**Figure S3.** Distribution of patients with increased BWT in the sigmoid colon (A) or descending colon (B) and the respective grouped Mayo-subscore for an interval between the colonoscopy date and the visit of ± 7 days (Fisher's exact test).

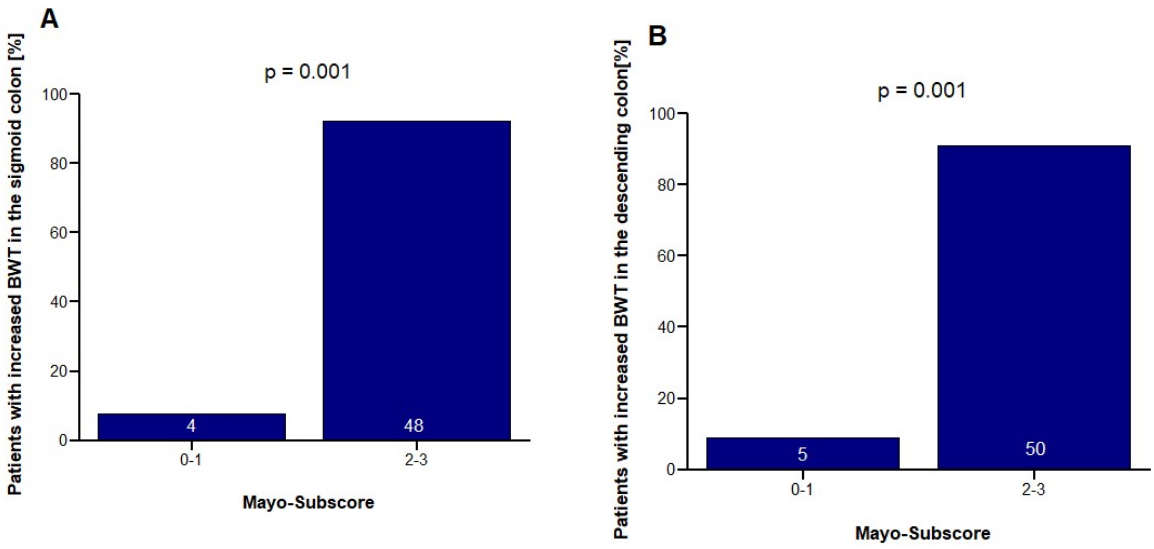


**Table S4:** Results of the correlation analysis between BWT [mm] and SCCAI for each study visit T0, T1, T2 and of the correlation analysis between changes in BWT [mm] and changes in SCCAI.

**Table S4 Correlation between BWT [mm] and SCCAI and between changes of BWT [mm] and changes of SCCAI**

| Parameter 1 | Parameter 2 | Visit | n | $r_{Spearman}$ |
|---|---|---|---|---|
| SCCAI | BWT Colon sigmoideum [mm] | T0 | 218 | 0,187 |
| | | T1 | 156 | 0,432 |
| | | T2 | 140 | 0,547 |
| | BWT Colon descendens [mm] | T0 | 198 | 0,262 |
| | | T1 | 137 | 0,303 |
| | | T2 | 115 | 0,500 |
| Changes | | | | |
| Δ SCCAI | Δ BWT Colon sigmoideum [mm] | T0 – T1 | 155 | 0,424 |
| | | T0 – T2 | 139 | 0,509 |
| | Δ BWT Colon descendens [mm] | T0 – T1 | 135 | 0,343 |
| | | T0 – T2 | 113 | 0,571 |