

1 **High-resolution and 3D anorectal manometric parameters based on**
2 **the London Protocol as a useful tool in the evaluation and follow-up of**
3 **incontinent women patients undergoing biofeedback therapy.**

4

5 **Table ST1 Comparison of resting manometric parameters (pre and post-BF, 3 and 6m post-BF**
6 **completion vs healthy volunteers)**

Resting manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Mean maximum pressure (mmHg)	incontinent pre vs healthy	38.3 (13.7)	61.1 (16.3)	37.5 [16.2]	59.9 [22.1]	[10.5; 68.2]	[30.5; 95.7]	[32.5; 44.1]	[54.4; 67.8]	[17.7; 58.7]	[31.9; 77.9]	< 0.01
Mean maximum pressure (mmHg)	incontinent post vs healthy	44.6 (15.6)	61.1 (16.3)	44.3 [20.3]	59.9 [22.1]	[20.8; 90.9]	[30.5; 95.7]	[38.0; 51.2]	[54.4; 67.8]	[24.1; 61.7]	[31.9; 77.9]	< 0.01
Mean maximum pressure (mmHg)	incontinent 3m vs healthy	43.4 (15.2)	61.1 (16.3)	42.5 [25.2]	59.9 [22.1]	[13.7; 67.6]	[30.5; 95.7]	[36.5; 50.3]	[54.4; 67.8]	[25.7; 66.9]	[31.9; 77.9]	< 0.01
Mean maximum pressure (mmHg)	incontinent 6m vs healthy	38.8 (11.9)	61.1 (16.3)	37.3 [18.1]	59.9 [22.1]	[20.7; 66.6]	[30.5; 95.7]	[33.1; 44.5]	[54.4; 67.8]	[25.2; 55.7]	[31.9; 77.9]	< 0.01
Mean pressure (mmHg)	incontinent pre vs healthy	27.2 (7.9)	38.4 (9.6)	28.6 [11.8]	38.9 [15.3]	[5.3; 41.8]	[22.3; 59.1]	[23.8; 30.5]	[34.4; 42.3]	[17.3; 37.6]	[23.1; 51.0]	< 0.01
Mean pressure (mmHg)	incontinent post vs healthy	31.3 (7.9)	38.4 (9.6)	31.4 [12.2]	38.9 [15.3]	[15.4; 46.5]	[22.3; 59.1]	[28.0; 34.6]	[34.4; 42.3]	[20.9; 44.1]	[23.1; 51.0]	< 0.05
Mean pressure (mmHg)	incontinent 3m vs healthy	29.0 (7.7)	38.4 (9.6)	26.9 [10.3]	38.9 [15.3]	[13.1; 44.1]	[22.3; 59.1]	[25.5; 32.5]	[34.4; 42.3]	[21.1; 43.9]	[23.1; 51.0]	< 0.01
Mean pressure (mmHg)	incontinent 6m vs healthy	28.0 (7.5)	38.4 (9.6)	27.1 [10.5]	38.9 [15.3]	[11.0; 43.0]	[22.3; 59.1]	[24.4; 31.6]	[34.4; 42.3]	[19.3; 37.5]	[23.1; 51.0]	< 0.01
Functional anal canal length (cm)	incontinent pre vs healthy	2.6 (1.0)	3.5 (1.0)	2.5 [1.1]	3.6 [1.7]	[0.6; 4.9]	[1.6; 5.2]	[2.1; 3.0]	[3.1; 3.9]	[1.3; 4.5]	[1.8; 4.9]	< 0.01
Functional anal canal length (cm)	incontinent post vs healthy	3.0 (0.8)	3.5 (1.0)	3.0 [1.0]	3.6 [1.7]	[1.5; 5.1]	[1.6; 5.2]	[2.7; 3.4]	[3.1; 3.9]	[1.7; 4.2]	[1.8; 4.9]	0.076
Functional anal canal length (cm)	incontinent 3m vs healthy	2.8 (0.8)	3.5 (1.0)	2.7 [1.5]	3.6 [1.7]	[1.4; 4.1]	[1.6; 5.2]	[2.4; 3.2]	[3.1; 3.9]	[1.5; 3.8]	[1.8; 4.9]	<0.05
Functional anal canal length (cm)	incontinent 6m vs healthy	2.8 (0.7)	3.5 (1.0)	2.9 [1.0]	3.6 [1.7]	[1.4; 4.1]	[1.6; 5.2]	[2.4; 3.1]	[3.1; 3.9]	[1.7; 3.6]	[1.8; 4.9]	<0.05
Resting PV (10 ⁴ mmHg ² .cm)	incontinent pre vs healthy	0.9 (0.7)	2.4 (1.5)	0.8 [0.7]	2.0 [2.2]	[0.0; 2.9]	[0.5; 6.1]	[0.7; 1.2]	[1.8; 3.0]	[0.2; 1.9]	[0.7; 4.4]	< 0.01
Resting PV (10 ⁴ mmHg ² .cm)	incontinent post vs healthy	1.3 (0.9)	2.4 (1.5)	1.1 [1.0]	2.0 [2.2]	[0.3; 3.7]	[0.5; 6.1]	[1.0; 1.7]	[1.8; 3.0]	[0.5; 3.0]	[0.7; 4.4]	< 0.01

Resting manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Resting PV (10 ⁴ mmHg ² .cm)	incontinent 3m vs healthy	1.2 (0.8)	2.4 (1.5)	1.0 [1.0]	2.0 [2.2]	[0.1; 2.8]	[0.5; 6.1]	[0.8; 1.6]	[1.8; 3.0]	[0.4; 2.7]	[0.7; 4.4]	< 0.01
Resting PV (10 ⁴ mmHg ² .cm)	incontinent 6m vs healthy	1.0 (0.5)	2.4 (1.5)	0.9 [1.0]	2.0 [2.2]	[0.3; 2.0]	[0.5; 6.1]	[0.7; 1.2]	[1.8; 3.0]	[0.3; 1.8]	[0.7; 4.4]	< 0.01
Highest pressure asymmetry (%)	incontinent pre vs healthy	35.5 (13.9)	26.3 (9.8)	36.9 [22.7]	23.9 [10.6]	[12.5; 58.5]	[11.2; 51.7]	[29.6; 41.4]	[22.3; 30.3]	[15.6; 53.9]	[16.4; 44.6]	< 0.05
Highest pressure asymmetry (%)	incontinent post vs healthy	38.7 (13.1)	26.3 (9.8)	40.9 [11.1]	23.9 [10.6]	[12.6; 62.5]	[11.2; 51.7]	[33.2; 44.3]	[22.3; 30.3]	[19.7; 58.8]	[16.4; 44.6]	< 0.01
Highest pressure asymmetry (%)	incontinent 3m vs healthy	40.9 (11.7)	26.3 (9.8)	37.6 [14.8]	23.9 [10.6]	[24.3; 69.5]	[11.2; 51.7]	[35.6; 46.2]	[22.3; 30.3]	[24.8; 59.3]	[16.4; 44.6]	< 0.01
Highest pressure asymmetry (%)	incontinent 6m vs healthy	40.5 (16.1)	26.3 (9.8)	36.5 [18.9]	23.9 [10.6]	[15.6; 78.8]	[11.2; 51.7]	[32.7; 48.2]	[22.3; 30.3]	[19.3; 65.0]	[16.4; 44.6]	< 0.01
Lowest pressure asymmetry (%)	incontinent pre vs healthy	38.4 (18.7)	27.1 (13.0)	32.7 [19.7]	25.4 [13.0]	[13.3; 100]	[6.6; 56.7]	[30.6; 46.3]	[21.7; 32.4]	[17.3; 62.1]	[9.8; 51.3]	< 0.05
Lowest pressure asymmetry (%)	incontinent post vs healthy	41.6 (23.1)	27.1 (13.0)	37.4 [17.2]	25.4 [13.0]	[11.6; 100]	[6.6; 56.7]	[31.9; 51.4]	[21.7; 32.4]	[15.9; 91.8]	[9.8; 51.3]	< 0.05
Lowest pressure asymmetry (%)	incontinent 3m vs healthy	47.0 (18.0)	27.1 (13.0)	44.5 [21.9]	25.4 [13.0]	[23.6; 83.5]	[6.6; 56.7]	[38.8; 55.1]	[21.7; 32.4]	[25.5; 83.0]	[9.8; 51.3]	< 0.01
Lowest pressure asymmetry (%)	incontinent 6m vs healthy	42.9 (23.9)	27.1 (13.0)	38.3 [28.3]	25.4 [13.0]	[12.5; 100]	[6.6; 56.7]	[31.4; 54.5]	[21.7; 32.4]	[16.7; 93.8]	[9.8; 51.3]	< 0.05

7

8 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
9 interval)

10 Bold values indicate statistically significant (p < 0.05)

11

12

13

14

15

16

17

18

19

20

21

22

Table ST2. Comparison of squeeze manometric parameters (pre and post-BF, 3 and 6m post-BF completion vs healthy volunteers)

Squeeze manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum incremental pressure (mmHg) short squeeze	incontinent pre vs healthy	43.3 (33.0)	108.7 (42.7)	38.6 [46.1]	102.5 [42.6]	[4.1; 122.6]	[11.6; 208.6]	[29.4; 57.2]	[91.1; 126.3]	[6.1; 97.1]	[64.5; 178.9]	<0.01
Maximum incremental pressure (mmHg) short squeeze	incontinent post vs healthy	60.6 (45.1)	108.7 (42.7)	43.5 [55.7]	102.5 [42.6]	[10.6; 174.2]	[11.6; 208.6]	[41.5; 79.6]	[91.1; 126.3]	[13.4; 152.0]	[64.5; 178.9]	<0.01
Maximum incremental pressure (mmHg) short squeeze	incontinent 3m vs healthy	58.0 (47.4)	108.7 (42.7)	43.3 [38.7]	102.5 [42.6]	[15.3; 189.9]	[11.6; 208.6]	[36.4; 79.6]	[91.1; 126.3]	[19.2; 167.4]	[64.5; 178.9]	<0.01
Maximum incremental pressure (mmHg) short squeeze	incontinent 6m vs healthy	47.3 (36.9)	108.7 (42.7)	36.8 [27.8]	102.5 [42.6]	[1.9; 138.7]	[11.6; 208.6]	[29.5; 65.0]	[91.1; 126.3]	[8.6; 121.7]	[64.5; 178.9]	<0.01
Mean pressure (mmHg) short squeeze	incontinent pre vs healthy	55.0 (25.7)	117.0 (40.6)	47 [36.4]	107.8 [38.4]	[25.5; 125.4]	[40.8; 204.7]	[44.1; 65.8]	[100.2; 133.7]	[27.5; 96.0]	[63.0; 201.3]	<0.01
Mean pressure (mmHg) short squeeze	incontinent post vs healthy	67.3 (29.8)	117.0 (40.6)	57.6 [43.2]	107.8 [38.4]	[31.3; 141.3]	[40.8; 204.7]	[54.7; 79.8]	[100.2; 133.7]	[35.1; 118.1]	[63.0; 201.3]	<0.01
Mean pressure (mmHg) short squeeze	incontinent 3m vs healthy	64.6 (30.2)	117.0 (40.6)	54.5 [25.0]	107.8 [38.4]	[33.7; 149.2]	[40.8; 204.7]	[50.9; 78.4]	[100.2; 133.7]	[35.5; 118.4]	[63.0; 201.3]	<0.01
Mean pressure (mmHg) short squeeze	incontinent 6m vs healthy	59.4 (28.4)	117.0 (40.6)	54.1 [25.0]	107.8 [38.4]	[25.1; 141.0]	[40.8; 204.7]	[45.7; 73.1]	[100.2; 133.7]	[32.5; 107.1]	[63.0; 201.3]	<0.01
Maximum absolute pressure (mmHg) short squeeze	incontinent pre vs healthy	77.9 (38.2)	169.9 (44.0)	66.6 [57.1]	168.5 [40.7]	[31.6; 159.7]	[71.1; 263.8]	[61.7; 94.0]	[151.7; 188.0]	[32.2; 141.4]	[114.9; 246.6]	<0.01
Maximum absolute pressure (mmHg) short squeeze	incontinent post vs healthy	101.8 (48.6)	169.9 (44.0)	89.4 [68.9]	168.5 [40.7]	[40.9; 207.3]	[71.1; 263.8]	[81.3; 122.4]	[151.7; 188.0]	[48.9; 196.5]	[114.9; 246.6]	<0.01
Maximum absolute pressure (mmHg) short squeeze	incontinent 3m vs healthy	97.7 (51.4)	169.9 (44.0)	85.7 [34.3]	168.5 [40.7]	[41.4 ; 235.0]	[71.1; 263.8]	[74.3; 121.1]	[151.7; 188.0]	[50.2; 199.0]	[114.9; 246.6]	<0.01
Maximum absolute pressure (mmHg) short squeeze	incontinent 6m vs healthy	83.9 (41.0)	169.9 (44.0)	74.9 [28.1]	168.5 [40.7]	[39.2; 186.4]	[71.1; 263.8]	[64.2; 103.7]	[151.7; 188.0]	[46.8; 166.3]	[114.9; 246.6]	<0.01

Squeeze manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Short squeeze PV (10 ⁴ mmHg ² .cm)	incontinent pre vs healthy	4.5 (5.5)	21.0 (13.1)	2.8 [4.4]	18.7 [10.4]	[0.3; 26.2]	[2.0; 56.4]	[2.2; 6.8]	[15.6; 26.5]	[0.7; 10.1]	[6.2; 48.6]	<0.01
Short squeeze PV (10 ⁴ mmHg ² .cm)	incontinent post vs healthy	7.3 (6.5)	21.0 (13.1)	5.0 [9.4]	18.7 [10.4]	[1.3; 23.8]	[2.0; 56.4]	[4.6; 10.0]	[15.6; 26.5]	[1.4; 21.6]	[6.2; 48.6]	<0.01
Short squeeze PV (10 ⁴ mmHg ² .cm)	incontinent 3m vs healthy	7.0 (8.1)	21.0 (13.1)	3.8 [3.3]	18.7 [10.4]	[1.4; 32.1]	[2.0; 56.4]	[3.3; 10.7]	[15.6; 26.5]	[1.9; 23.7]	[6.2; 48.6]	<0.01
Short squeeze PV (10 ⁴ mmHg ² .cm)	incontinent 6m vs healthy	5.4 (5.3)	21.0 (13.1)	3.7 [4.6]	18.7 [10.4]	[0.5; 20.5]	[2.0; 56.4]	[2.8; 8.0]	[15.6; 26.5]	[1.1; 15.1]	[6.2; 48.6]	<0.01
Highest pressure asymmetry (%) short squeeze	incontinent pre vs healthy	25.5 (10.9)	15.8 (5.6)	25.1 [11.4]	16.0 [7.5]	[9.3; 49.2]	[6.2; 27.8]	[20.9; 30.1]	[13.4; 18.1]	[10.3; 45.4]	[8.6; 26.2]	<0.01
Highest pressure asymmetry (%) short squeeze	incontinent post vs healthy	26.0 (11.6)	15.8 (5.6)	27.2 [16.5]	16.0 [7.5]	[9.3; 49.4]	[6.2; 27.8]	[21.1; 30.9]	[13.4; 18.1]	[12.2; 47.1]	[8.6; 26.2]	<0.01
Highest pressure asymmetry (%) short squeeze	incontinent 3m vs healthy	31.6 (14.5)	15.8 (5.6)	32.9 [19.5]	16.0 [7.5]	[6.8; 59.5]	[6.2; 27.8]	[25.0; 38.2]	[13.4; 18.1]	[13.5; 57.0]	[8.6; 26.2]	<0.01
Highest pressure asymmetry (%) short squeeze	incontinent 6m vs healthy	26.3 (13.0)	15.8 (5.6)	24.8 [19.1]	16.0 [7.5]	[7.7; 51.5]	[6.2; 27.8]	[20.1; 32.6]	[13.4; 18.1]	[10.7; 47.5]	[8.6; 26.2]	<0.01
Lowest pressure asymmetry (%) short squeeze	incontinent pre vs healthy	25.4 (11.4)	18.8 (9.2)	23.5 [15.2]	17.2 [11.9]	[10.7; 53.1]	[7.3; 42.9]	[20.6; 30.2]	[15.0; 22.5]	[13.5; 46.9]	[8.0; 33.2]	<0.05
Lowest pressure asymmetry (%) short squeeze	incontinent post vs healthy	24.2 (8.7)	18.8 (9.2)	21.5 [11.4]	17.2 [11.9]	[11.2; 43.8]	[7.3; 42.9]	[20.5; 27.9]	[15.0; 22.5]	[11.7; 38.9]	[8.0; 33.2]	<0.05
Lowest pressure asymmetry (%) short squeeze	incontinent 3m vs healthy	32.3 (16.0)	18.8 (9.2)	30.9 [29.7]	17.2 [11.9]	[8.0; 63.8]	[7.3; 42.9]	[25.0; 39.6]	[15.0; 22.5]	[14.5; 52.8]	[8.0; 33.2]	<0.01
Lowest pressure asymmetry (%) short squeeze	incontinent 6m vs healthy	26.0 (13.7)	18.8 (9.2)	24.3 [20.5]	17.2 [11.9]	[6.0; 52.8]	[7.3; 42.9]	[19.3; 32.6]	[15.0; 22.5]	[6.5; 47.5]	[8.0; 33.2]	0.076
Fatigue rate index long squeeze (min)	incontinent pre vs healthy	0.8 (0.7)	1.6 (2.2)	0.5 [0.3]	0.8 [0.9]	[0.2; 2.9]	[0.3; 10.5]	[0.4; 1.2]	[0.7; 2.5]	[0.3; 2.2]	[0.4; 5.7]	<0.05
Fatigue rate index long squeeze (min)	incontinent post vs healthy	0.7 (0.4)	1.6 (2.2)	0.6 [0.4]	0.8 [0.9]	[0.1; 1.6]	[0.3; 10.5]	[0.5; 0.9]	[0.7; 2.5]	[0.1; 1.5]	[0.4; 5.7]	0.081
Fatigue rate index long squeeze (min)	incontinent 3m vs healthy	0.9 (0.8)	1.6 (2.2)	0.7 [0.4]	0.8 [0.9]	[0.2; 3.2]	[0.3; 10.5]	[0.5; 1.3]	[0.7; 2.5]	[0.2; 2.4]	[0.4; 5.7]	0.174
Fatigue rate index long squeeze (min)	incontinent 6m vs healthy	2.1 (4.2)	1.6 (2.2)	0.7 [0.6]	0.8 [0.9]	[0.4; 15.9]	[0.3; 10.5]	[0.0; 4.7]	[0.7; 2.5]	[0.5; 8.2]	[0.4; 5.7]	0.914

Squeeze manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Fatigue rate long squeeze (mmHg)	incontinent pre vs healthy	-21.5 (41.4)	-74.9 (46.4)	-12.7 [32.2]	-69.8 [44.3]	[- 166.4; 45.8]	[-201.1; -1.4]	[-38.9; -4.0]	[-94.0; -55.7]	[-73.3; 20.4]	[-155.8; -10.2]	<0.01
Fatigue rate long squeeze (mmHg)	incontinent post vs healthy	-34.4 (33.5)	-74.9 (46.4)	-31.9 [54.7]	-69.8 [44.3]	[-89.3; 20.7]	[-201.1; -1.4]	[-48.6; -20.3]	[-94.0; -55.7]	[-86.3; 9.7]	[-155.8; -10.2]	<0.01
Fatigue rate long squeeze (mmHg)	incontinent 3m vs healthy	-41.6 (45.9)	-74.9 (46.4)	-30.3 [36.9]	-69.8 [44.3]	[- 151.6; 22.5]	[-201.1; -1.4]	[-62.5; -20.7]	[-94.0; -55.7]	[- 128.5; 13.9]	[-155.8; -10.2]	<0.01
Fatigue rate long squeeze (mmHg)	incontinent 6m vs healthy	-19.5 (33.3)	-74.9 (46.4)	-17.5 [27.0]	-69.8 [44.3]	[-114; 24.8]	[-201.1; -1.4]	[-35.5; -3.4]	[-94.0; -55.7]	[-70.8; 16.3]	[-155.8; -10.2]	<0.01
Capacity to sustain (%) long squeeze	incontinent pre vs healthy	84.0 (25.5)	71.6 (14.8)	85.1 [33.2]	73.4 [19.0]	[35.6; 128.0]	[47.1; 98.6]	[73.3; 94.8]	[65.5; 77.7]	[44.4; 122.9]	[49.1; 95.8]	0.063
Capacity to sustain (%) long squeeze	incontinent post vs healthy	78.6 (20.3)	71.6 (14.8)	76.3 [29.9]	73.4 [19.0]	[48.2; 115.6]	[47.1; 98.6]	[70.0; 87.2]	[65.5; 77.7]	[51.7; 108.3]	[49.1; 95.8]	0.261
Capacity to sustain (%) long squeeze	incontinent 3m vs healthy	75.8 (21.0)	71.6 (14.8)	71.6 [28.9]	73.4 [19.0]	[44.3; 129.2]	47.1- 98.6	[66.3; 85.3]	[65.5; 77.7]	[53.3; 111.1]	[49.1; 95.8]	0.694
Capacity to sustain (%) long squeeze	incontinent 6m vs healthy	87.4 (23.2)	71.6 (14.8)	88.2 [26.4]	73.4 [19.0]	[37.4; 126.1]	[47.1; 98.6]	[76.2; 98.6]	[65.5; 77.7]	[45.7; 122.4]	[49.1; 95.8]	<0.05
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	incontinent pre vs healthy	2.0 (2.2)	11.8 (7.9)	1.5 [1.7]	9.8 [6.0]	[0.1; 11.2]	[1.0; 33.7]	[1.1; 2.9]	[8.5; 15.1]	[0.3; 4.0]	[3.2; 27.9]	<0.01
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	incontinent post vs healthy	3.8 (3.5)	11.8 (7.9)	2.9 [3.2]	9.8 [6.0]	[0.5; 16.5]	[1.0; 33.7]	[2.3; 5.3]	[8.5; 15.1]	[0.7; 8.5]	[3.2; 27.9]	<0.01
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	incontinent 3m vs healthy	4.3 (4.6)	11.8 (7.9)	2.7 [3.6]	9.8 [6.0]	[0.6; 16.5]	[1.0; 33.7]	[2.2; 6.4]	[8.5; 15.1]	[0.9; 15.9]	[3.2; 27.9]	<0.01
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	incontinent 6m vs healthy	2.9 (2.8)	11.8 (7.9)	2.2 [1.9]	9.8 [6.0]	[0.5; 11.2]	[1.0; 33.7]	[1.5; 4.2]	[8.5; 15.1]	[0.6; 8.9]	[3.2; 27.9]	<0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	incontinent pre vs healthy	1.7 (1.3)	9.8 (7.2)	1.3 [1.0]	7.7 [8.8]	[0.1; 5.7]	[0.7; 30.8]	[1.1; 2.2]	[6.9; 12.8]	[0.2; 4.5]	[2.6; 22.7]	<0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	incontinent post vs healthy	3.3 (3.1)	9.8 (7.2)	2.4 [1.9]	7.7 [8.8]	[0.5; 13.9]	[0.7; 30.8]	[2.0; 4.6]	[6.9; 12.8]	[0.7; 8.3]	[2.6; 22.7]	<0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	incontinent 3m vs healthy	3.1 (3.1)	9.8 (7.2)	2.1 [2.5]	7.7 [8.8]	[0.4; 12.5]	[0.7; 30.8]	[1.7; 4.6]	[6.9; 12.8]	[0.8; 8.8]	[2.6; 22.7]	<0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	incontinent 6m vs healthy	2.4 (2.6)	9.8 (7.2)	1.8 [1.5]	7.7 [8.8]	[0.5; 9.6]	[0.7; 30.8]	[1.2; 3.6]	[6.9; 12.8]	[0.7; 9.1]	[2.6; 22.7]	<0.01

Squeeze manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	incontinent pre vs healthy	1.6 (1.2)	8.3 (5.6)	1.3 [1.2]	7.2 [7.2]	[0.1; 4.7]	[0.8; 22.4]	[1.1; 2.1]	[6.0; 10.6]	[0.2; 4.0]	[1.8; 18.8]	<0.01
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	incontinent post vs healthy	3.1 (2.7)	8.3 (5.6)	2.2 [2.3]	7.2 [7.2]	[0.5; 11.4]	[0.8; 22.4]	[1.9; 4.2]	[6.0; 10.6]	[0.7; 7.3]	[1.8; 18.8]	<0.01
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	incontinent 3m vs healthy	3.0 (2.8)	8.3 (5.6)	1.8 [2.1]	7.2 [7.2]	[0.3; 10.3]	[0.8; 22.4]	[1.7; 4.2]	[6.0; 10.6]	[0.6; 9.2]	[1.8; 18.8]	<0.01
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	incontinent 6m vs healthy	2.3 (2.3)	8.3 (5.6)	1.9 [1.2]	7.2 [7.2]	[0.5; 10.1]	[0.8; 22.4]	[1.2; 3.4]	[6.0; 10.6]	[0.8; 6.4]	[1.8; 18.8]	<0.01

26

27 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence

28 interval)

29 Bold values indicate statistically significant (p < 0.05)

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48 **Table ST3 Comparison of cough manometric parameters (pre and post-BF, 3 and 6m post-BF**
49 **completion vs healthy volunteers)**

50

Cough manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum pressure anal canal (mmHg)	incontinent pre vs healthy	78.7 (25.2)	133.2 (31.6)	76.3 [20.0]	134.6 [27.4]	[27.2; 135.6]	[62.3; 182.6]	[68.1; 89.3]	[120.1; 146.3]	[42.9; 115.1]	[79.4; 173.8]	<0.01
Maximum pressure anal canal (mmHg)	incontinent post vs healthy	92.5 (30.7)	133.2 (31.6)	84.2 [26.6]	134.6 [27.4]	[44.7; 154.4]	[62.3; 182.6]	[79.5; 105.5]	[120.1; 146.3]	[47.8; 153.5]	[79.4; 173.8]	<0.01
Maximum pressure anal canal (mmHg)	incontinent 3m vs healthy	94.5 (26.3)	133.2 (31.6)	95.1 [20.8]	134.6 [27.4]	[41.7; 145.9]	[62.3; 182.6]	[82.5; 106.5]	[120.1; 146.3]	[46.5; 143.4]	[79.4; 173.8]	<0.01
Maximum pressure anal canal (mmHg)	incontinent 6m vs healthy	89.1 (29.3)	133.2 (31.6)	88.4 [29.4]	134.6 [27.4]	[30.6; 157.8]	[62.3; 182.6]	[75.0; 103.3]	[120.1; 146.3]	[55.7; 137.6]	[79.4; 173.8]	<0.01
Maximum pressure rectum (mmHg)	incontinent pre vs healthy	57.1 (20.6)	65.5 (23.8)	54.4 [25.3]	65.0 [32.3]	[14.6; 94.2]	[24.1; 117.1]	[48.4; 65.8]	[55.7; 75.4]	[22.2; 88.0]	[34.7; 109.4]	0.308
Maximum pressure rectum (mmHg)	incontinent post vs healthy	64.1 (23.0)	65.5 (23.8)	65.3 [25.6]	65.0 [32.3]	[16.7; 102.9]	[24.1; 117.1]	[54.4; 73.8]	[55.7; 75.4]	[25.5; 100.6]	[34.7; 109.4]	0.897
Maximum pressure rectum (mmHg)	incontinent 3m vs healthy	64.6 (20.1)	65.5 (23.8)	67.8 [18.5]	65.0 [32.3]	[24.0; 98.2]	[24.1; 117.1]	[55.4; 73.8]	[55.7; 75.4]	[29.8; 96.7]	[34.7; 109.4]	0.938
Maximum pressure rectum (mmHg)	incontinent 6m vs healthy	62.9 (21.2)	65.5 (23.8)	62.6 [27.5]	65.0 [32.3]	[24.5; 100.2]	[24.1; 117.1]	[52.6; 73.1]	[55.7; 75.4]	[32.8; 99.0]	[34.7; 109.4]	0.767
Anorectal gradient pressure (mmHg)	incontinent pre vs healthy	21.6 (17.2)	67.7 (22.1)	19.5 [28.1]	62.6 [35.3]	[-4.6; 54.2]	[31.4; 103.3]	[14.3; 28.8]	[58.5; 76.8]	[1.8; 50.8]	[37.6; 100.2]	<0.01
Anorectal gradient pressure (mmHg)	incontinent post vs healthy	28.4 (26.2)	67.7 (22.1)	19.7 [27.1]	62.6 [35.3]	[1.2; 87.4]	[31.4; 103.3]	[17.3; 39.5]	[58.5; 76.8]	[3.1; 82.8]	[37.6; 100.2]	<0.01
Anorectal gradient pressure (mmHg)	incontinent 3m vs healthy	29.7 (25.7)	67.7 (22.1)	25.2 [38.2]	62.6 [35.3]	[-8.0; 85.2]	[31.4; 103.3]	[18.0; 41.4]	[58.5; 76.8]	[-1.3; 73.1]	[37.6; 100.2]	<0.01
Anorectal gradient pressure (mmHg)	incontinent 6m vs healthy	26.7 (24.0)	67.7 (22.1)	18.6 [27.4]	62.6 [35.3]	[-4.2; 92.8]	[31.4; 103.3]	[15.1; 38.2]	[58.5; 76.8]	[-2.8; 61.0]	[37.6; 100.2]	<0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	incontinent pre vs healthy	3.6 (2.6)	11.0 (4.8)	3.0 [3.0]	10.6 [5.7]	[0.4; 9.5]	[3.6; 21.0]	[2.5; 4.7]	[9.0; 13.0]	[0.5; 8.7]	[3.8; 18.6]	<0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	incontinent post vs healthy	5.0 (3.8)	11.0 (4.8)	4.2 [3.9]	10.6 [5.7]	[1.5; 18.8]	[3.6; 21.0]	[3.4; 6.6]	[9.0; 13.0]	[1.6; 9.3]	[3.8; 18.6]	<0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	incontinent 3m vs healthy	5.3 (3.5)	11.0 (4.8)	5.2 [2.9]	10.6 [5.7]	[0.4; 14.2]	[3.6; 21.0]	[3.7; 6.9]	[9.0; 13.0]	[0.8; 12.5]	[3.8; 18.6]	<0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	incontinent 6m vs healthy	4.3 (3.1)	11.0 (4.8)	3.8 [3.6]	10.6 [5.7]	[0.8; 12.0]	[3.6; 21.0]	[2.9; 5.8]	[9.0; 13.0]	[1.0; 10.7]	[3.8; 18.6]	<0.01
Highest pressure asymmetry (%) anal canal	incontinent pre vs healthy	21.3 (9.7)	14.4 (5.9)	18.6 [14.9]	13.9 [6.9]	[7.4; 38.7]	[5.1; 26.7]	[17.2; 25.4]	[11.9; 16.8]	[8.2; 37.7]	[6.6; 26.0]	<0.05

Cough manometric parameters	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Highest pressure asymmetry (%) anal canal	incontinent post vs healthy	19.8 (10.8)	14.4 (5.9)	17.4 [12.2]	13.9 [6.9]	[6.6; 54.1]	[5.1; 26.7]	[15.3; 24.4]	[11.9; 16.8]	[9.2; 36.2]	[6.6; 26.0]	0.069
Highest pressure asymmetry (%) anal canal	incontinent 3m vs healthy	22.8 (10.7)	14.4 (5.9)	20.5 [12.4]	13.9 [6.9]	[8.1; 53.7]	[5.1; 26.7]	[18.0; 27.7]	[11.9; 16.8]	[10.9; 37.1]	[6.6; 26.0]	<0.01
Highest pressure asymmetry (%) anal canal	incontinent 6m vs healthy	24.5 (13.5)	14.4 (5.9)	24.1 [14.4]	13.9 [6.9]	[6.9; 64.0]	[5.1; 26.7]	[18.0; 31.0]	[11.9; 16.8]	[10.8; 44.0]	[6.6; 26.0]	<0.01
Lowest pressure asymmetry (%) anal canal	incontinent pre vs healthy	17.8 (8.0)	14.7 (4.8)	16.9 [10.7]	14.9 [5.5]	[6.4; 39.0]	[6.3; 24.7]	[14.4; 21.2]	[12.7; 16.7]	[7.8; 31.3]	[6.5; 21.9]	0.258
Lowest pressure asymmetry (%) anal canal	incontinent post vs healthy	18.5 (14.9)	14.7 (4.8)	13.8 [11.9]	14.9 [5.5]	[5.6; 76.0]	[6.3; 24.7]	[12.2; 24.8]	[12.7; 16.7]	[6.2; 36.1]	[6.5; 21.9]	0.992
Lowest pressure asymmetry (%) anal canal	incontinent 3m vs healthy	19.7 (13.2)	14.7 (4.8)	14.9 [7.0]	14.9 [5.5]	[6.0; 64.3]	[6.3; 24.7]	[13.7; 25.8]	[12.7; 16.7]	[9.5; 42.7]	[6.5; 21.9]	0.453
Lowest pressure asymmetry (%) anal canal	incontinent 6m vs healthy	20.7 (15.3)	14.7 (4.8)	15.2 [15.4]	14.9 [5.5]	[5.3; 64.4]	[6.3; 24.7]	[13.3; 28.1]	[12.7; 16.7]	[8.1; 50.7]	[6.5; 21.9]	0.362

51

52 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
53 interval)

54 Bold values indicate statistically significant ($p < 0.05$)

55

56

57

58

59

60

61

62

63

64

65

66

67 **Table ST4 Comparison of rectal sensory thresholds and RAIR parameters (pre and post-BF, 3 and**
68 **6m post-BF completion vs healthy volunteers)**

Rectal sensory thresholds; RAIR	Comparison incontinent (1) vs healthy (2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
First sensation volume (ml)	incontinent pre vs healthy	35.6 (22.3)	22.9 (17.9)	35.0 [34.2]	16.0 [22.0]	[4.0; 86.0]	[6.0; 78.0]	[26.2; 45.0]	[15.5; 30.3]	[8.1; 77.0]	[8.0; 50.0]	<0.05
First sensation volume (ml)	incontinent post vs healthy	26.6 (22.2)	22.9 (17.9)	18.5 [21.5]	16.0 [22.0]	[5.0; 92.0]	[6.0; 78.0]	[17.2; 36.0]	[15.5; 30.3]	[5.1; 60.0]	[8.0; 50.0]	0.652
First sensation volume (ml)	incontinent 3m vs healthy	30.4 (29.6)	22.9 (17.9)	22.0 [32.0]	16.0 [22.0]	[4.0; 130.0]	[6.0; 78.0]	[16.9; 43.9]	[15.5; 30.3]	[8.0; 60.0]	[8.0; 50.0]	0.611
First sensation volume (ml)	incontinent 6m vs healthy	22.5 (17.6)	22.9 (17.9)	18.0 [16.0]	16.0 [22.0]	[4.0; 68.0]	[6.0; 78.0]	[14.0; 31.0]	[15.5; 30.3]	[7.6; 55.4]	[8.0; 50.0]	0.915
Desire to defaecate volume (ml)	incontinent pre vs healthy	59.5 (28.3)	38.5 (19.7)	60.0 [31.7]	34.0 [25.0]	[20.0; 120.0]	[14.0; 100.0]	[47.6; 71.5]	[30.3; 46.6]	[22.0; 109.1]	[16.6; 68.0]	<0.01
Desire to defaecate volume (ml)	incontinent post vs healthy	54.7 (25.4)	38.5 (19.7)	52.0 [37.5]	34.0 [25.0]	[22.0; 110.0]	[14.0; 100.0]	[44.0; 65.5]	[30.3; 46.6]	[22.4; 100.2]	[16.6; 68.0]	<0.05
Desire to defaecate volume (ml)	incontinent 3m vs healthy	49.9 (30.2)	38.5 (19.7)	46.0 [49.0]	34.0 [25.0]	[16.0; 132.0]	[14.0; 100.0]	[36.2; 63.7]	[30.3; 46.6]	[20.0; 84.0]	[16.6; 68.0]	0.270
Desire to defaecate volume (ml)	incontinent 6m vs healthy	46.0 (21.4)	38.5 (19.7)	46.0 [30.0]	34.0 [25.0]	[20.0; 86.0]	[14.0; 100.0]	[35.7; 56.3]	[30.3; 46.6]	[20.0; 80.6]	[16.6; 68.0]	0.245
Maximum tolerated volume (ml)	incontinent pre vs healthy	95.5 (40.8)	141.4 (53.1)	93.0 [44.7]	132.0 [58.0]	[32.0; 230.0]	[70.0; 270.0]	[78.2; 112.7]	[119.5; 163.3]	[43.5; 147.0]	[73.6; 243.8]	<0.01
Maximum tolerated volume (ml)	incontinent post vs healthy	137.0 (37.7)	141.4 (53.1)	143.0 [53.7]	132.0 [58.0]	[72.0; 210.0]	[70.0; 270.0]	[121.0; 152.9]	[119.5; 163.3]	[88.0; 180.0]	[73.6; 243.8]	0.960
Maximum tolerated volume (ml)	incontinent 3m vs healthy	141.8 (42.5)	141.4 (53.1)	142.0 [52.0]	132.0 [58.0]	[52.0; 210.0]	[70.0; 270.0]	[122.4; 161.2]	[119.5; 163.3]	[78.0; 208.0]	[73.6; 243.8]	0.596
Maximum tolerated volume (ml)	incontinent 6m vs healthy	123.7 (33.9)	141.4 (53.1)	116.0 [52.0]	132.0 [58.0]	[72.0; 186.0]	[70.0; 270.0]	[107.4; 140.0]	[119.5; 163.3]	[72.0; 178.8]	[73.6; 243.8]	0.337
Anal canal relaxation (%)	incontinent pre vs healthy	35.7 (22.2)	36.8 (15.8)	25.0 [34.2]	33.3 [19.2]	[7.6; 79.7]	[10.9; 73.0]	[26.3; 45.1]	[30.3; 43.3]	[8.3; 71.6]	[17.9; 68.5]	0.490
Anal canal relaxation (%)	incontinent post vs healthy	31.2 (21.6)	36.8 (15.8)	26.1 [31.5]	33.3 [19.2]	[0.6; 69.9]	[10.9; 73.0]	[22.0; 40.3]	[30.3; 43.3]	[7.1; 69.0]	[17.9; 68.5]	0.143
Anal canal relaxation (%)	incontinent 3m vs healthy	32.3 (18.8)	36.8 (15.8)	30.7 [15.0]	33.3 [19.2]	[1.9; 72.3]	[10.9; 73.0]	[23.8; 40.9]	[30.3; 43.3]	[3.1; 64.4]	[17.9; 68.5]	0.360
Anal canal relaxation (%)	incontinent 6m vs healthy	32.2 (18.7)	36.8 (15.8)	35.3 [22.3]	33.3 [19.2]	[0.0; 80.4]	[10.9; 73.0]	[23.2; 41.2]	[30.3; 43.3]	[6.0; 50.4]	[17.9; 68.5]	0.554

69 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
70 interval)

71 Bold values indicate statistically significant ($p < 0.05$)

Table ST5 Comparison of fecal incontinence scores – incontinent patients (pre and post-BF, 3m and 6m post-BF completion)

Incontinence Scoring	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
CCFIS	pre vs post	13.2 (3.8)	3.6 (2.4)	13.0 [5.5]	3.0 [2.2]	[7.0; 20.0]	[0.0; 9.0]	[11.6; 14.7]	[2.7; 4.6]	[8.0; 18.8]	[1.0; 8.7]	< 0.01
CCFIS	pre vs 3m	13.2 (3.8)	2.7 (2.6)	13.0 [5.5]	2.0 [2.0]	[7.0; 20.0]	[0.0; 9.0]	[11.6; 14.7]	[1.6; 3.8]	[8.0; 18.8]	[0.0; 8.0]	< 0.01
CCFIS	pre vs 6m	13.2 (3.8)	2.4 (1.8)	13.0 [5.5]	2.0 [2.0]	[7.0; 20.0]	[0.0; 6.0]	[11.6; 14.7]	[1.5; 3.2]	[8.0; 18.8]	[0.0; 6.0]	< 0.01
CCFIS	post vs 3m	3.6 (2.4)	2.7 (2.6)	3.0 [2.2]	2.0 [2.0]	[0.0; 9.0]	[0.0; 9.0]	[2.7; 4.6]	[1.6; 3.8]	[1.0; 8.7]	[0.0; 8.0]	< 0.05
CCFIS	post vs 6m	3.6 (2.4)	2.4 (1.8)	3.0 [2.2]	2.0 [2.0]	[0.0; 9.0]	[0.0; 6.0]	[2.7; 4.6]	[1.5; 3.2]	[1.0; 8.7]	[0.0; 6.0]	< 0.01
CCFIS	3m vs 6m	2.7 (2.6)	2.4 (1.8)	2.0 [2.0]	2.0 [2.0]	[0.0; 9.0]	[0.0; 6.0]	[1.6; 3.8]	[1.5; 3.2]	[0.0; 8.0]	[0.0; 6.0]	0.609
SMIC	pre vs post	14.7 (4.5)	3.5 (3.1)	15.0 [3.5]	3.0 [1.5]	[4.0; 22.0]	[0.0; 13.0]	[12.9; 16.5]	[2.2; 4.7]	[5.3; 20.0]	[0.1; 9.7]	< 0.01
SMIC	pre vs 3m	14.7 (4.5)	2.7 (3.7)	15.0 [3.5]	1.0 [2.0]	[4.0; 22.0]	[0.0; 13.0]	[12.9; 16.5]	[1.1; 4.2]	[5.3; 20.0]	[0.0; 10.0]	< 0.01
SMIC	pre vs 6m	14.7 (4.5)	2.1 (2.3)	15.0 [3.5]	1.0 [2.0]	[4.0; 22.0]	[0.0; 8.0]	[12.9; 16.5]	[1.1; 3.1]	[5.3; 20.0]	[0.0; 8.0]	< 0.01
SMIC	post vs 3m	3.5 (3.1)	2.7 (3.7)	3.0 [1.5]	1.0 [2.0]	[0.0; 13.0]	[0.0; 13.0]	[2.2; 4.7]	[1.1; 4.2]	[0.1; 9.7]	[0.0; 10.0]	< 0.05
SMIC	post vs 6m	3.5 (3.1)	2.1 (2.3)	3.0 [1.5]	1.0 [2.0]	[0.0; 13.0]	[0.0; 8.0]	[2.2; 4.7]	[1.1; 3.1]	[0.1; 9.7]	[0.0; 8.0]	< 0.01
SMIC	3m vs 6m	2.7 (3.7)	2.1 (2.3)	1.0 [2.0]	1.0 [2.0]	[0.0; 13.0]	[0.0; 8.0]	[1.1; 4.2]	[1.1; 3.1]	[0.0; 10.0]	[0.0; 8.0]	0.493

CCFIS (Cleveland Clinic Fecal Incontinence Severity Scoring System)

SMIC (St. Mark's Incontinence Score)

BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence interval)

84 **Table ST6 Comparison of resting manometric parameters - incontinent patients (pre and post-BF,**
85 **3m and 6m post-BF completion)**
86

Resting manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Mean maximum pressure (mmHg)	pre vs post	38.3 (13.7)	44.6 (15.6)	37.5 [16.2]	44.3 [20.3]	[10.5; 68.2]	[20.8; 90.9]	[32.8; 43.8]	[38.4; 50.8]	[17.7; 58.7]	[24.1; 61.7]	0.056
Mean maximum pressure (mmHg)	pre vs 3m	38.3 (13.7)	43.4 (15.2)	37.5 [16.2]	42.5 [25.2]	[10.5; 68.2]	[13.7; 67.6]	[32.8; 43.8]	[37.0; 49.9]	[17.7; 58.7]	[25.7; 66.9]	0.071
Mean maximum pressure (mmHg)	pre vs 6m	38.3 (13.7)	38.8 (11.9)	37.5 [16.2]	37.3 [18.1]	[10.5; 68.2]	[20.7; 66.6]	[32.8; 43.8]	[33.4; 44.1]	[17.7; 58.7]	[25.2; 55.7]	0.490
Mean maximum pressure (mmHg)	post vs 3m	44.6 (15.6)	43.4 (15.2)	44.3 [20.3]	42.5 [25.2]	[20.8; 90.9]	[13.7; 67.6]	[38.4; 50.8]	[37.0; 49.9]	[24.1; 61.7]	[25.7; 66.9]	0.759
Mean maximum pressure (mmHg)	post vs 6m	44.6 (15.6)	39.0 (11.9)	44.3 [20.3]	37.3 [18.1]	[20.8; 90.9]	[20.7; 66.6]	[38.4; 50.8]	[33.4; 44.1]	[24.1; 61.7]	[25.2; 55.7]	0.145
Mean maximum pressure (mmHg)	3m vs 6m	43.4 (15.2)	39.0 (11.9)	42.5 [25.2]	37.3 [18.1]	[13.7; 67.6]	[20.7; 66.6]	[37.0; 49.9]	[33.4; 44.1]	[25.7; 66.9]	[25.2; 55.7]	0.170
Mean pressure (mmHg)	pre vs post	27.2 (7.9)	31.3 (7.9)	28.6 [11.8]	31.4 [12.2]	[5.3; 41.8]	[15.4; 46.5]	[24.0; 30.3]	[28.1; 34.4]	[17.3; 37.6]	[20.9; 44.1]	< 0.01
Mean pressure (mmHg)	pre vs 3m	27.2 (7.9)	29.0 (7.7)	28.6 [11.8]	26.9 [10.3]	[5.3; 41.8]	[13.1; 44.1]	[24.0; 30.3]	[25.7; 32.3]	[17.3; 37.6]	[21.1; 43.9]	0.100
Mean pressure (mmHg)	pre vs 6m	27.2 (7.9)	28.0 (7.5)	28.6 [11.8]	27.1 [10.5]	[5.3; 41.8]	[11.0; 43.0]	[24.0; 30.3]	[24.6; 31.4]	[17.3; 37.6]	[19.3; 37.5]	0.275
Mean pressure (mmHg)	post vs 3m	31.3 (7.9)	29.0 (7.7)	31.4 [12.2]	26.9 [10.3]	[15.4; 46.5]	[13.1; 44.1]	[28.1; 34.4]	[25.7; 32.3]	[20.9; 44.1]	[21.1; 43.9]	0.144
Mean pressure (mmHg)	post vs 6m	31.3 (7.9)	28.0 (7.5)	31.4 [12.2]	27.1 [10.5]	[15.4; 46.5]	[11.0; 43.0]	[28.1; 34.4]	[24.6; 31.4]	[20.9; 44.1]	[19.3; 37.5]	< 0.05
Mean pressure (mmHg)	3m vs 6m	29.0 (7.7)	28.0 (7.5)	26.9 [10.3]	27.1 [10.5]	[13.1; 44.1]	[11.0; 43.0]	[25.7; 32.3]	[24.6; 31.4]	[21.1; 43.9]	[19.3; 37.5]	0.841
Functional anal canal length (cm)	pre vs post	2.6 (1.0)	3.0 (0.8)	2.5 [1.1]	3.0 [1.0]	[0.6; 4.9]	[1.5; 5.1]	[2.2; 3.0]	[2.7; 3.4]	[1.3; 4.5]	[1.7; 4.2]	< 0.05
Functional anal canal length (cm)	pre vs 3m	2.6 (1.0)	2.8 (0.8)	2.5 [1.1]	2.7 [1.5]	[0.6; 4.9]	[1.4; 4.1]	[2.2; 3.0]	[2.5; 3.2]	[1.3; 4.5]	[1.5; 3.8]	< 0.05
Functional anal canal length (cm)	pre vs 6m	2.6 (1.0)	2.8 (0.7)	2.5 [1.1]	2.9 [1.0]	[0.6; 4.9]	[1.4; 4.1]	[2.2; 3.0]	[2.4; 3.1]	[1.3; 4.5]	[1.7; 3.6]	0.061
Functional anal canal length (cm)	post vs 3m	3.0 (0.8)	2.8 (0.8)	3.0 [1.0]	2.7 [1.5]	[1.5; 5.1]	[1.4; 4.1]	[2.7; 3.4]	[2.5; 3.2]	[1.7; 4.2]	[1.5; 3.8]	0.204

Resting manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Functional anal canal length (cm)	post vs 6m	3.0 (0.8)	2.8 (0.7)	3.0 [1.0]	2.9 [1.0]	[1.5; 5.1]	[1.4; 4.1]	[2.7; 3.4]	[2.4; 3.1]	[1.7; 4.2]	[1.7; 3.6]	0.376
Functional anal canal length (cm)	3m vs 6m	2.8 (0.8)	2.8 (0.7)	2.7 [1.5]	2.9 [1.0]	[1.4; 4.1]	[1.4; 4.1]	[2.5; 3.2]	[2.4; 3.1]	[1.5; 3.8]	[1.7; 3.6]	0.760
Resting PV (10 ⁴ mmHg ² .cm)	pre vs post	0.9 (0.7)	1.3 (0.9)	0.8 [0.7]	1.1 [1.0]	[0.0; 2.9]	[0.3; 3.7]	[0.7; 1.2]	[1.0; 1.7]	[0.2; 1.9]	[0.5; 3.0]	< 0.05
Resting PV (10 ⁴ mmHg ² .cm)	pre vs 3m	0.9 (0.7)	1.2 (0.8)	0.8 [0.7]	1.0 [1.0]	[0.0; 2.9]	[0.1; 2.8]	[0.7; 1.2]	[0.9; 1.5]	[0.2; 1.9]	[0.4; 2.7]	0.086
Resting PV (10 ⁴ mmHg ² .cm)	pre vs 6m	0.9 (0.7)	1.0 (0.5)	0.8 [0.7]	0.9 [1.0]	[0.0; 2.9]	[0.3; 2.0]	[0.7; 1.2]	[0.7; 1.2]	[0.2; 1.9]	[0.3; 1.8]	0.334
Resting PV (10 ⁴ mmHg ² .cm)	post vs 3m	1.3 (0.9)	1.2 (0.8)	1.1 [1.0]	1.0 [1.0]	[0.3; 3.7]	[0.1; 2.8]	[1.0; 1.7]	[0.9; 1.5]	[0.5; 3.0]	[0.4; 2.7]	0.472
Resting PV (10 ⁴ mmHg ² .cm)	post vs 6m	1.3 (0.9)	1.0 (0.5)	1.1 [1.0]	0.9 [1.0]	[0.3;3. 7]	[0.3; 2.0]	[1.0; 1.7]	[0.7; 1.2]	[0.5; 3.0]	[0.3; 1.8]	0.123
Resting PV (10 ⁴ mmHg ² .cm)	3m vs 6m	1.2 (0.8)	1.0 (0.5)	1.0 [1.0]	0.9 [1.0]	[0.1; 2.8]	[0.3; 2.0]	[0.9; 1.5]	[0.7; 1.2]	[0.4; 2.7]	[0.3; 1.8]	0.277
Highest pressure asymmetry (%)	pre vs post	35.5 (13.9)	38.7 (13.1)	36.9 [22.7]	40.9 [11.1]	[12.5; 58.5]	[12.6; 62.5]	[29.9; 41.1]	[33.5; 44.0]	[15.6; 53.9]	[19.7; 58.8]	0.242
Highest pressure asymmetry (%)	pre vs 3m	35.5 (13.9)	40.9 (11.7)	36.9 [22.7]	37.6 [14.8]	[12.5; 58.5]	[24.3; 69.5]	[29.9; 41.1]	[35.9; 45.9]	[15.6; 53.9]	[24.8; 59.3]	0.244
Highest pressure asymmetry (%)	pre vs 6m	35.5 (13.9)	40.5 (16.1)	36.9 [22.7]	36.5 [18.9]	[12.5; 58.5]	[15.6; 78.8]	[29.9; 41.1]	[33.2; 47.7]	[15.6; 53.9]	[19.3; 65.0]	0.156
Highest pressure asymmetry (%)	post vs 3m	38.7 (13.1)	40.9 (11.7)	40.9 [11.1]	37.6 [14.8]	[12.6; 62.5]	[24.3; 69.5]	[33.5; 44.0]	[35.9; 45.9]	[19.7; 58.8]	[24.8; 59.3]	0.495
Highest pressure asymmetry (%)	post vs 6m	38.7 (13.1)	40.5 (16.1)	40.9 [11.1]	36.5 [18.9]	[12.6; 62.5]	[15.6; 78.8]	[33.5; 44.0]	[33.2; 47.7]	[19.7; 58.8]	[19.3; 65.0]	0.643
Highest pressure asymmetry (%)	3m vs 6m	40.9 (11.7)	40.5 (16.1)	37.6 [14.8]	36.5 [18.9]	[24.3; 69.5]	[15.6; 78.8]	[35.9; 45.9]	[33.2; 47.7]	[24.8; 59.3]	[19.3; 65.0]	0.459
Lowest pressure asymmetry (%)	pre vs post	38.4 (18.7)	41.6 (23.1)	32.7 [19.7]	37.4 [17.2]	[13.3; 100]	[11.6; 100]	[31.0; 45.9]	[32.4; 50.9]	[17.3; 62.1]	[15.9; 91.8]	0.605
Lowest pressure asymmetry (%)	pre vs 3m	38.4 (18.7)	47.0 (18.0)	32.7 [19.7]	44.5 [21.9]	[13.3; 100]	[23.6; 83.5]	[31.0; 45.9]	[39.3; 54.7]	[17.3; 62.1]	[25.5; 83.0]	0.243
Lowest pressure asymmetry (%)	pre vs 6m	38.4 (18.7)	42.9 (23.9)	32.7 [19.7]	38.3 [28.3]	[13.3; 100]	[12.5; 100]	[31.0; 45.9]	[32.2; 53.7]	[17.3; 62.1]	[16.7; 93.8]	0.542
Lowest pressure asymmetry (%)	post vs 3m	41.6 (23.1)	47.0 (18.0)	37.4 [17.2]	44.5 [21.9]	[11.6; 100]	[23.6; 83.5]	[32.4; 50.9]	[39.3; 54.7]	[15.9; 91.8]	[25.5; 83.0]	0.495

Resting manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Lowest pressure asymmetry (%)	post vs 6m	41.6 (23.1)	42.9 (23.9)	37.4 [17.2]	38.3 [28.3]	[11.6; 100]	[12.5; 100]	[32.4; 50.9]	[32.2; 53.7]	[15.9; 91.8]	[16.7; 93.8]	0.896
Lowest pressure asymmetry (%)	3m vs 6m	47.0 (18.0)	42.9 (23.9)	44.5 [21.9]	38.3 [28.3]	[23.6; 83.5]	[12.5; 100]	[39.3; 54.7]	[32.2; 53.7]	[25.5; 83.0]	[16.7; 93.8]	0.182

87

88 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
89 interval)

90 Bold values indicate statistically significant ($p < 0.05$)

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113 **Table ST7 Comparison of squeeze manometric parameters – incontinent patients (pre and post-BF,**
114 **3m and 6m post-BF completion)**

115

Squeeze manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum incremental pressure (mmHg) short squeeze	pre vs post	43.3 (33.0)	60.6 (45.1)	38.6 [46.1]	43.5 [55.7]	[4.1; 122.6]	[10.6; 174.2]	[30.1; 56.5]	[42.5; 78.6]	[6.1; 97.1]	[13.4; 152.0]	< 0.01
Maximum incremental pressure (mmHg) short squeeze	pre vs 3m	43.3 (33.0)	58.0 (47.4)	38.6 [46.1]	43.3 [38.7]	[4.1; 122.6]	[15.3; 189.9]	[30.1; 56.5]	[37.7; 78.3]	[6.1; 97.1]	[19.2; 167.4]	< 0.01
Maximum incremental pressure (mmHg) short squeeze	pre vs 6m	43.3 (33.0)	47.3 (36.9)	38.6 [46.1]	36.8 [27.8]	[4.1; 122.6]	[1.9; 138.7]	[30.1; 56.5]	[30.7; 63.8]	[6.1; 97.1]	[8.6; 121.7]	< 0.01
Maximum incremental pressure (mmHg) short squeeze	post vs 3m	60.6 (45.1)	58.0 (47.4)	43.5 [55.7]	43.3 [38.7]	[10.6; 174.2]	[15.3; 189.9]	[42.5; 78.6]	[37.7; 78.3]	[13.4; 152.0]	[19.2; 167.4]	0.609
Maximum incremental pressure (mmHg) short squeeze	post vs 6m	60.6 (45.1)	47.3 (36.9)	43.5 [55.7]	36.8 [27.8]	[10.6; 174.2]	[1.9; 138.7]	[42.5; 78.6]	[30.7; 63.8]	[13.4; 152.0]	[8.6; 121.7]	0.169
Maximum incremental pressure (mmHg) short squeeze	3m vs 6m	58.0 (47.4)	47.3 (36.9)	43.3 [38.7]	36.8 [27.8]	[15.3; 189.9]	[1.9; 138.7]	[37.7; 78.3]	[30.7; 63.8]	[19.2; 167.4]	[8.6; 121.7]	0.241
Mean pressure (mmHg) short squeeze	pre vs post	55.0 (25.7)	67.3 (29.8)	47.0 [36.4]	57.6 [43.2]	[25.5; 125.4]	[31.3; 141.3]	[44.7; 65.3]	[55.3; 79.2]	[27.5; 96.0]	[35.1; 118.1]	< 0.01
Mean pressure (mmHg) short squeeze	pre vs 3m	55.0 (25.7)	64.6 (30.2)	47.0 [36.4]	54.5 [25.0]	[25.5; 125.4]	[33.7; 149.2]	[44.7; 65.3]	[51.7; 77.6]	[27.5; 96.0]	[35.5; 118.4]	< 0.01
Mean pressure (mmHg) short squeeze	pre vs 6m	55.0 (25.7)	59.4 (28.4)	47.0 [36.4]	54.1 [25.0]	[25.5; 125.4]	[25.1; 141.0]	[44.7; 65.3]	[46.7; 72.2]	[27.5; 96.0]	[32.5; 107.1]	< 0.05
Mean pressure (mmHg) short squeeze	post vs 3m	67.3 (29.8)	64.6 (30.2)	57.6 [43.2]	54.5 [25.0]	[31.3; 141.3]	[33.7; 149.2]	[55.3; 79.2]	[51.7; 77.6]	[35.1; 118.1]	[35.5; 118.4]	0.812
Mean pressure (mmHg) short squeeze	post vs 6m	67.3 (29.8)	59.4 (28.4)	57.6 [43.2]	54.1 [25.0]	[31.3; 141.3]	[25.1; 141.0]	[55.3; 79.2]	[46.7; 72.2]	[35.1; 118.1]	[32.5; 107.1]	0.153
Mean pressure (mmHg) short squeeze	3m vs 6m	64.6 (30.2)	59.4 (28.4)	54.5 [25.0]	54.1 [25.0]	[33.7; 149.2]	[25.1; 141.0]	[51.7; 77.6]	[46.7; 72.2]	[35.5; 118.4]	[32.5; 107.1]	0.623

Squeeze manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum absolute pressure (mmHg) short squeeze	pre vs post	77.9 (38.2)	101.8 (48.7)	66.6 [57.1]	89.4 [68.9]	[31.6; 159.7]	[40.9; 207.3]	[62.6; 93.1]	[82.3; 121.3]	[32.2; 141.4]	[48.9; 196.5]	< 0.01
Maximum absolute pressure (mmHg) short squeeze	pre vs 3m	77.9 (38.2)	97.7 (51.4)	66.6 [57.1]	85.7 [34.3]	[31.6; 159.7]	[41.4; 235.0]	[62.6; 93.1]	[75.7; 119.7]	[32.2; 141.4]	[50.2; 199.0]	< 0.01
Maximum absolute pressure (mmHg) short squeeze	pre vs 6m	77.9 (38.2)	83.9 (41.0)	66.6 [57.1]	74.9 [28.1]	[31.6; 159.7]	[39.2; 186.4]	[62.6; 93.1]	[65.5; 102.4]	[32.2; 141.4]	[46.8; 166.3]	< 0.01
Maximum absolute pressure (mmHg) short squeeze	post vs 3m	101.8 (48.6)	97.7 (51.4)	89.4 [68.9]	85.7 [34.3]	[40.9; 207.3]	[41.4; 235.0]	[82.3; 121.3]	[75.7; 119.7]	[48.9; 196.5]	[50.2; 199.0]	0.838
Maximum absolute pressure (mmHg) short squeeze	post vs 6m	101.8 (48.6)	83.9 (41.0)	89.4 [68.9]	74.9 [28.1]	[40.9; 207.3]	[39.2; 186.4]	[82.3; 121.3]	[65.5; 102.4]	[48.9; 196.5]	[46.8; 166.3]	0.104
Maximum absolute pressure (mmHg) short squeeze	3m vs 6m	97.7 (51.4)	83.9 (41.0)	85.7 [34.3]	74.9 [28.1]	[41.4; 235.0]	[39.2; 186.4]	[75.7; 119.7]	[65.5; 102.4]	[50.2; 199.0]	[46.8; 166.3]	0.156
Short squeeze PV (10 ⁴ mmHg ² .cm)	pre vs post	4.5 (5.5)	7.3 (6.5)	2.8 [4.4]	5.0 [9.4]	[0.3; 26.2]	[1.3; 23.8]	[2.3; 6.7]	[4.7; 9.9]	[0.7; 10.1]	[1.4; 21.6]	< 0.01
Short squeeze PV (10 ⁴ mmHg ² .cm)	pre vs 3m	4.5 (5.5)	7.0 (8.1)	2.8 [4.4]	3.8 [3.3]	[0.3; 26.2]	[1.4; 32.1]	[2.3; 6.7]	[3.6; 10.5]	[0.7; 10.1]	[1.9; 23.7]	< 0.01
Short squeeze PV (10 ⁴ mmHg ² .cm)	pre vs 6m	4.5 (5.5)	5.4 (5.3)	2.8 [4.4]	3.7 [4.6]	[0.3; 26.2]	[0.5; 20.5]	[2.3; 6.7]	[3.0; 7.8]	[0.7; 10.1]	[1.1; 15.1]	< 0.05
Short squeeze PV (10 ⁴ mmHg ² .cm)	post vs 3m	7.3 (6.5)	7.0 (8.1)	5.0 [9.4]	3.8 [3.3]	[1.3; 23.8]	[1.4; 32.1]	[4.7; 9.9]	[3.6; 10.5]	[1.4; 21.6]	[1.9; 23.7]	0.837
Short squeeze PV (10 ⁴ mmHg ² .cm)	post vs 6m	7.3 (6.5)	5.4 (5.3)	5.0 [9.4]	3.7 [4.6]	[1.3; 23.8]	[0.5; 20.5]	[4.7; 9.9]	[3.0; 7.8]	[1.4; 21.6]	[1.1; 15.1]	0.196
Short squeeze PV (10 ⁴ mmHg ² .cm)	3m vs 6m	7.0 (8.1)	5.4 (5.3)	3.8 [3.3]	3.7 [4.6]	[1.4; 32.1]	[0.5; 20.5]	[3.6; 10.5]	[3.0; 7.8]	[1.9; 23.7]	[1.1; 15.1]	0.507
Highest pressure asymmetry (%) short squeeze	pre vs post	25.5 (10.9)	26.0 (11.6)	25.1 [11.4]	27.2 [16.5]	[9.3; 49.2]	[9.3; 49.4]	[21.1; 29.9]	[21.4; 30.7]	[10.3; 45.4]	[12.2; 47.1]	0.833
Highest pressure asymmetry (%) short squeeze	pre vs 3m	25.5 (10.9)	31.6 (14.5)	25.1 [11.4]	32.9 [19.5]	[9.3; 49.2]	[6.8; 59.5]	[21.1; 29.9]	[25.4; 37.8]	[10.3; 45.4]	[13.5; 57.0]	0.111
Highest pressure asymmetry (%) short squeeze	pre vs 6m	25.5 (10.9)	26.3 (12.9)	25.1 [11.4]	24.8 [19.1]	[9.3; 49.2]	[7.7; 51.5]	[21.1; 29.9]	[20.5; 32.2]	[10.3; 45.4]	[10.7; 47.5]	0.891

Squeeze manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Highest pressure asymmetry (%) short squeeze	post vs 3m	26.0 (11.6)	31.6 (14.5)	27.2 [16.5]	32.9 [19.5]	[9.3; 49.4]	[6.8; 59.5]	[21.4; 30.7]	[25.4; 37.8]	[12.2; 47.1]	[13.5; 57.0]	0.076
Highest pressure asymmetry (%) short squeeze	post vs 6m	26.0 (11.6)	26.3 (13.0)	27.2 [16.5]	24.8 [19.1]	[9.3; 49.4]	[7.7; 51.5]	[21.4; 30.7]	[20.5; 32.2]	[12.2; 47.1]	[10.7; 47.5]	0.441
Highest pressure asymmetry (%) short squeeze	3m vs 6m	31.6 (14.5)	26.3 (13.0)	32.9 [19.5]	24.8 [19.1]	[6.8; 59.5]	[7.7; 51.5]	[25.4; 37.8]	[20.5; 32.2]	[13.5; 57.0]	[10.7; 47.5]	< 0.05
Lowest pressure asymmetry (%) short squeeze	pre vs post	25.4 (11.4)	24.2 (8.7)	23.5 [15.2]	21.5 [11.4]	[10.7; 53.1]	[11.2; 43.8]	[20.9; 30.0]	[20.7; 27.7]	[13.5; 46.9]	[11.7; 38.9]	0.684
Lowest pressure asymmetry (%) short squeeze	pre vs 3m	25.4 (11.4)	32.3 (16.0)	23.5 [15.2]	30.9 [29.7]	[10.7; 53.1]	[8.0; 63.8]	[20.9; 30.0]	[25.4; 39.1]	[13.5; 46.9]	[14.5; 52.8]	0.076
Lowest pressure asymmetry (%) short squeeze	pre vs 6m	25.4 (11.4)	26.0 (13.7)	23.5 [15.2]	24.3 [20.5]	[10.7; 53.1]	[6.0; 52.8]	[20.9; 30.0]	[19.8; 32.1]	[13.5; 46.9]	[6.5; 47.5]	0.768
Lowest pressure asymmetry (%) short squeeze	post vs 3m	24.2 (8.7)	32.3 (16.0)	21.5 [11.4]	30.9 [29.7]	[11.2; 43.8]	[8.0; 63.8]	[20.7; 27.7]	[25.4; 39.1]	[11.7; 38.9]	[14.5; 52.8]	< 0.05
Lowest pressure asymmetry (%) short squeeze	post vs 6m	24.2 (8.7)	26.0 (13.7)	21.5 [11.4]	24.3 [20.5]	[11.2; 43.8]	[6.0; 52.8]	[20.7; 27.7]	[19.8; 32.1]	[11.7; 38.9]	[6.5; 47.5]	0.952
Lowest pressure asymmetry (%) short squeeze	3m vs 6m	32.3 (16.0)	26.0 (13.7)	30.9 [29.7]	24.3 [20.5]	[8.0; 63.8]	[6.0; 52.8]	[25.4; 39.1]	[19.8; 32.1]	[14.5; 52.8]	[6.5; 47.5]	< 0.05
Fatigue rate index long squeeze (min)	pre vs post	0.8 (0.7)	0.7 (0.4)	0.5 [0.3]	0.6 [0.4]	[0.2; 2.9]	[0.1; 1.6]	[0.4; 1.1]	[0.5; 0.9]	[0.3; 2.2]	[0.1; 1.5]	1.000
Fatigue rate index long squeeze (min)	pre vs 3m	0.8 (0.7)	0.9 (0.8)	0.5 [0.3]	0.7 [0.4]	[0.2; 2.9]	[0.2; 3.2]	[0.4; 1.1]	[0.5; 1.2]	[0.3; 2.2]	[0.2; 2.4]	0.812
Fatigue rate index long squeeze (min)	pre vs 6m	0.8 (0.7)	2.1 (4.2)	0.5 [0.3]	0.7 [0.6]	[0.2; 2.9]	[0.4; 15.9]	[0.4; 1.1]	[0.0; 4.4]	[0.3; 2.2]	[0.5; 8.2]	0.834
Fatigue rate index long squeeze (min)	post vs 3m	0.7 (0.4)	0.9 (0.8)	0.6 [0.4]	0.7 [0.4]	[0.1; 1.6]	[0.2; 3.2]	[0.5; 0.9]	[0.5; 1.2]	[0.1; 1.5]	[0.2; 2.4]	0.379
Fatigue rate index long squeeze (min)	post vs 6m	0.7 (0.4)	2.1 (4.2)	0.6 [0.4]	0.7 [0.6]	[0.1; 1.6]	[0.4; 15.9]	[0.5; 0.9]	[0.0; 4.4]	[0.1; 1.5]	[0.5; 8.2]	0.656
Fatigue rate index long squeeze (min)	3m vs 6m	0.9 (0.8)	2.1 (4.2)	0.7 [0.4]	0.7 [0.6]	[0.2; 3.2]	[0.4; 15.9]	[0.5; 1.2]	[0.0; 4.4]	[0.2; 2.4]	[0.5; 8.2]	0.450

Squeeze manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Fatigue rate long squeeze (mmHg)	pre vs post	-21.5 (41.4)	-34.4 (33.5)	-12.7 [32.2]	-31.9 [54.7]	[-166.4; 45.8]	[-89.3; 20.7]	[-38.0; -4.9]	[-47.8; -21.0]	[-73.3; 20.4]	[-86.3; 9.7]	< 0.05
Fatigue rate long squeeze (mmHg)	pre vs 3m	-21.5 (41.4)	-41.6 (45.9)	-12.7 [32.2]	-30.3 [36.9]	[-166.4; 45.8]	[-151.6; 22.5]	[-38.0; -4.9]	[-61.2; -22.0]	[-73.3; 20.4]	[-128.5; 13.9]	< 0.01
Fatigue rate long squeeze (mmHg)	pre vs 6m	-21.5 (41.4)	-19.5 (33.3)	-12.7 [32.2]	-17.5 [27.0]	[-166.4; 45.8]	[-114; 24.8]	[-38.0; -4.9]	[-34.5; -4.5]	[-73.3; 20.4]	[-70.8; 16.3]	0.829
Fatigue rate long squeeze (mmHg)	post vs 3m	-34.4 (33.5)	-41.6 (45.9)	-31.9 [54.7]	-30.3 [36.9]	[-89.3; 20.7]	[-151.6; 22.5]	[-47.8; -21.0]	[-61.2; -22.0]	[-86.3; 9.7]	[-128.5; 13.9]	0.393
Fatigue rate long squeeze (mmHg)	post vs 6m	-34.4 (33.5)	-19.5 (33.3)	-31.9 [54.7]	-17.5 [27.0]	[-89.3; 20.7]	[-114; 24.8]	[-47.8; -21.0]	[-34.5; -4.5]	[-86.3; 9.7]	[-70.8; 16.3]	0.156
Fatigue rate long squeeze (mmHg)	3m vs 6m	-41.6 (45.9)	-19.5 (33.3)	-30.3 [36.9]	-17.5 [27.0]	[-151.6; 22.5]	[-114; 24.8]	[-61.2; -22.0]	[-34.5; -4.5]	[-128.5; 13.9]	[-70.8; 16.3]	< 0.01
Capacity to sustain (%); long squeeze	pre vs post	84.0 (25.5)	78.6 (20.3)	85.1 [33.2]	76.3 [29.9]	[35.6; 128.0]	[48.2; 115.6]	[73.8; 94.2]	[70.5; 86.7]	[44.4; 122.9]	[51.7; 108.3]	0.390
Capacity to sustain (%); long squeeze	pre vs 3m	84.02 (25.5)	75.8 (21.0)	85.1 [33.2]	71.6 [28.9]	[35.6; 128]	[44.3; 129.2]	[73.8; 94.2]	[66.8; 84.8]	[44.4; 122.9]	[53.3; 111.1]	0.082
Capacity to sustain (%); long squeeze	pre vs 6m	84.0 (25.5)	87.4 (23.2)	85.1 [33.2]	88.2 [26.4]	[35.6; 128]	[37.4; 126.1]	[73.8; 94.2]	[77.0; 97.8]	[44.4; 122.9]	[45.7; 122.4]	0.922
Capacity to sustain (%); long squeeze	post vs 3m	78.6 (20.3)	75.8 (21.0)	76.3 [29.9]	71.6 [28.9]	[48.2; 115.6]	[44.3; 129.2]	[70.5; 86.7]	[66.8; 84.8]	[51.7; 108.3]	[53.3; 111.1]	0.287
Capacity to sustain (%); long squeeze	post vs 6m	78.6 (20.3)	87.4 (23.2)	76.3 [29.9]	88.2 [26.4]	[48.2; 115.6]	[37.4; 126.1]	[70.5; 86.7]	[77.0; 97.8]	[51.7; 108.3]	[45.7; 122.4]	0.312
Capacity to sustain (%); long squeeze	3m vs 6m	75.8 (21.0)	87.4 (23.2)	71.6 [28.9]	88.2 [26.4]	[44.3; 129.2]	[37.4; 126.1]	[66.8; 84.8]	[77.0; 97.8]	[53.3; 111.1]	[45.7; 122.4]	< 0.05
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	pre vs post	2.0 (2.2)	3.8 (3.5)	1.5 [1.7]	2.9 [3.2]	[0.1; 11.2]	[0.5; 16.5]	[1.1; 2.9]	[2.4; 5.2]	[0.3; 4.0]	[0.7; 8.5]	< 0.01
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	pre vs 3m	2.0 (2.2)	4.3 (4.6)	1.5 [1.7]	2.7 [3.6]	[0.1; 11.2]	[0.6; 16.5]	[1.1; 2.9]	[2.3; 6.3]	[0.3; 4.0]	[0.9; 15.9]	< 0.01
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	pre vs 6m	2.0 (2.2)	2.9 (2.8)	1.5 [1.7]	2.2 [1.9]	[0.1; 11.2]	[0.5; 11.2]	[1.1; 2.9]	[1.6; 4.1]	[0.3; 4.0]	[0.6; 8.9]	< 0.05
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	post vs 3m	3.8 (3.5)	4.3 (4.6)	2.9 [3.2]	2.7 [3.6]	[0.5; 16.5]	[0.6; 16.5]	[2.4; 5.2]	[2.3; 6.3]	[0.7; 8.5]	[0.9; 15.9]	0.332

Squeeze manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	post vs 6m	3.8 (3.5)	2.9 (2.8)	2.9 [3.2]	2.2 [1.9]	[0.5; 16.5]	[0.5; 11.2]	[2.4; 5.2]	[1.6; 4.1]	[0.7; 8.5]	[0.6; 8.9]	0.520
Long squeeze PV (1/3) 10 ⁴ mmHg ² .cm	3m vs 6m	4.3 (4.6)	2.9 (2.8)	2.7 [3.6]	2.2 [1.9]	[0.6; 16.5]	[0.5; 11.2]	[2.3; 6.3]	[1.6; 4.1]	[0.9; 15.9]	[0.6; 8.9]	0.121
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	pre vs post	1.7 (1.3)	3.3 (3.1)	1.3 [1.0]	2.4 [1.9]	[0.1; 5.7]	[0.5; 13.9]	[1.1; 2.2]	[2.1; 4.5]	[0.2; 4.5]	[0.7; 8.3]	< 0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	pre vs 3m	1.7 (1.3)	3.1 (3.1)	1.3 [1.0]	2.1 [2.5]	[0.1; 5.7]	[0.4; 12.5]	[1.1; 2.2]	[1.8; 4.5]	[0.2; 4.5]	[0.8; 8.8]	< 0.01
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	pre vs 6m	1.7 (1.3)	2.4 (2.6)	1.3 [1.0]	1.8 [1.5]	[0.1; 5.7]	[0.5; 9.6]	[1.1; 2.2]	[1.3; 3.6]	[0.2; 4.5]	[0.7; 9.1]	< 0.05
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	post vs 3m	3.3 (3.1)	3.1 (3.1)	2.4 [1.9]	2.1 [2.5]	[0.5; 13.9]	[0.4; 12.5]	[2.1; 4.5]	[1.8; 4.5]	[0.7; 8.3]	[0.8; 8.8]	1.000
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	post vs 6m	3.3 (3.1)	2.4 (2.6)	2.4 [1.9]	1.8 [1.5]	[0.5; 13.9]	[0.5; 9.6]	[2.1; 4.5]	[1.3; 3.6]	[0.7; 8.3]	[0.7; 9.1]	0.157
Long squeeze PV (2/3) 10 ⁴ mmHg ² .cm	3m vs 6m	3.1 (3.1)	2.4 (2.6)	2.1 [2.5]	1.8 [1.5]	[0.4; 12.5]	[0.5; 9.6]	[1.8; 4.5]	[1.3; 3.6]	[0.8; 8.8]	[0.7; 9.1]	0.185
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	pre vs post	1.6 (1.2)	3.1 (2.7)	1.3 [1.2]	2.2 [2.3]	[0.1; 4.7]	[0.5; 11.4]	[1.2; 2.1]	[2.0; 4.1]	[0.2; 4.0]	[0.7; 7.3]	< 0.01
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	pre vs 3m	1.6 (1.2)	3.0 (2.8)	1.3 [1.2]	1.8 [2.1]	[0.1; 4.7]	[0.3; 10.3]	[1.2; 2.1]	[1.8; 4.2]	[0.2; 4.0]	[0.6; 9.2]	< 0.01
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	pre vs 6m	1.6 (1.2)	2.3 (2.3)	1.3 [1.2]	1.9 [1.2]	[0.1; 4.7]	[0.5; 10.1]	[1.2; 2.1]	[1.3; 3.3]	[0.2; 4.0]	[0.8; 6.4]	< 0.05
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	post vs 3m	3.1 (2.7)	3.0 (2.8)	2.2 [2.3]	1.8 [2.1]	[0.5; 11.4]	[0.3; 10.3]	[2.0; 4.1]	[1.8; 4.2]	[0.7; 7.3]	[0.6; 9.2]	0.590
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	post vs 6m	3.1 (2.7)	2.3 (2.3)	2.2 [2.3]	1.9 [1.2]	[0.5; 11.4]	[0.5; 10.1]	[2.0; 4.1]	[1.3; 3.3]	[0.7; 7.3]	[0.8; 6.4]	0.286
Long squeeze PV (3/3) 10 ⁴ mmHg ² .cm	3m vs 6m	3.0 (2.8)	2.3 (2.3)	1.8 [2.1]	1.9 [1.2]	[0.3; 10.3]	[0.5; 10.1]	[1.8; 4.2]	[1.3; 3.3]	[0.6; 9.2]	[0.8; 6.4]	0.268

116

117 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
118 interval)

119 Bold values indicate statistically significant (p < 0.05)

120 **Table ST8 Comparison of cough manometric parameters - incontinent patients (pre and post-BF,**
121 **3m and 6m post-BF completion)**

122

Cough manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum pressure anal canal (mmHg)	pre vs post	78.7 (25.2)	92.5 (30.7)	76.3 [20.0]	84.2 [26.6]	[27.2; 135.6]	[44.7; 154.4]	[68.6; 88.8]	[80.2; 104.8]	[42.9; 115.1]	[47.8; 153.5]	< 0.01
Maximum pressure anal canal (mmHg)	pre vs 3m	78.7 (25.2)	94.5 (26.3)	76.3 [20.0]	95.1 [20.8]	[27.2; 135.6]	[41.7; 145.9]	[68.6; 88.8]	[83.2; 105.8]	[42.9; 115.1]	[46.5; 143.4]	< 0.01
Maximum pressure anal canal (mmHg)	pre vs 6m	78.7 (25.2)	89.1 (29.3)	76.3 [20.0]	88.4 [29.4]	[27.2; 135.6]	[30.6; 157.8]	[68.6; 88.8]	[76.0; 102.3]	[42.9; 115.1]	[55.7; 137.6]	< 0.01
Maximum pressure anal canal (mmHg)	post vs 3m	92.5 (30.7)	94.5 (26.3)	84.2 [26.6]	95.1 [20.8]	[44.7; 154.4]	[41.7; 145.9]	[80.2; 104.8]	[83.2; 105.8]	[47.8; 153.5]	[46.5; 143.4]	0.741
Maximum pressure anal canal (mmHg)	post vs 6m	92.5 (30.7)	89.1 (29.3)	84.2 [26.6]	88.4 [29.4]	[44.7; 154.4]	[30.6; 157.8]	[80.2; 104.8]	[76.0; 102.3]	[47.8; 153.5]	[55.7; 137.6]	0.494
Maximum pressure anal canal (mmHg)	3m vs 6m	94.5 (26.3)	89.1 (29.3)	95.1 [20.8]	88.4 [29.4]	[41.7; 145.9]	[30.6; 157.8]	[83.2; 105.8]	[76.0; 102.3]	[46.5; 143.4]	[55.7; 137.6]	0.441
Maximum pressure rectum (mmHg)	pre vs post	57.1 (20.6)	64.1 (23.0)	54.4 [25.3]	65.3 [25.6]	[14.6; 94.2]	[16.7; 102.9]	[48.9; 65.3]	[54.9; 73.3]	[22.2; 88.0]	[25.5; 100.6]	< 0.05
Maximum pressure rectum (mmHg)	pre vs 3m	57.1 (20.6)	64.6 (20.1)	54.4 [25.3]	67.8 [18.5]	[14.6; 94.2]	[24.0; 98.2]	[48.9; 65.3]	[56.0; 73.2]	[22.2; 88.0]	[29.8; 96.7]	< 0.05
Maximum pressure rectum (mmHg)	pre vs 6m	57.1 (20.6)	62.9 (21.2)	54.4 [25.3]	62.6 [27.5]	[14.6; 94.2]	[24.5; 100.2]	[48.9; 65.3]	[53.3; 72.4]	[22.2; 88.0]	[32.8; 99.0]	< 0.05
Maximum pressure rectum (mmHg)	post vs 3m	64.1 (23.0)	64.6 (20.1)	65.3 [25.6]	67.8 [18.5]	[16.7; 102.9]	[24.0; 98.2]	[54.9; 73.3]	[56.0; 73.2]	[25.5; 100.6]	[29.8; 96.7]	0.614
Maximum pressure rectum (mmHg)	post vs 6m	64.1 (23.0)	62.9 (21.2)	65.3 [25.6]	62.6 [27.5]	[16.7; 102.9]	[24.5; 100.2]	[54.9; 73.3]	[53.3; 72.4]	[25.5; 100.6]	[32.8; 99.0]	0.920
Maximum pressure rectum (mmHg)	3m vs 6m	64.6 (20.1)	62.9 (21.2)	67.8 [18.5]	62.6 [27.5]	[24; 98.2]	[24.5; 100.2]	[56.0; 73.2]	[53.3; 72.4]	[29.8; 96.7]	[32.8; 99.0]	0.984
Anorectal gradient pressure (mmHg)	pre vs post	21.6 (17.2)	28.4 (26.2)	19.5 [28.1]	19.7 [27.1]	[-4.6; 54.2]	[1.2; 87.4]	[14.7; 28.5]	[17.9; 38.9]	[1.8; 50.8]	[3.1; 82.8]	0.089
Anorectal gradient pressure (mmHg)	pre vs 3m	21.6 (17.2)	29.7 (25.7)	19.5 [28.1]	25.2 [38.2]	[-4.6; 54.2]	[-8.0; 85.2]	[14.7; 28.5]	[18.7; 40.7]	[1.8; 50.8]	[-1.3; 73.1]	< 0.05
Anorectal gradient pressure (mmHg)	pre vs 6m	21.6 (17.2)	26.7 (24.0)	19.5 [28.1]	18.6 [27.4]	[-4.6; 54.2]	[-4.2; 92.8]	[14.7; 28.5]	[15.9; 37.4]	[1.8; 50.8]	[-2.8; 61.0]	0.123
Anorectal gradient pressure (mmHg)	post vs 3m	28.4 (26.2)	29.7 (25.7)	19.7 [27.1]	25.2 [38.2]	[1.2; 87.4]	[-8.0; 85.2]	[17.9; 38.9]	[18.7; 40.7]	[3.1; 82.8]	[-1.3; 73.1]	0.759
Anorectal gradient pressure (mmHg)	post vs 6m	28.4 (26.2)	27.0 (24.0)	19.7 [27.1]	18.6 [27.4]	[1.2; 87.4]	[-4.2; 92.8]	[17.9; 38.9]	[15.9; 37.4]	[3.1; 82.8]	[-2.8; 61.0]	0.658

Cough manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Anorectal gradient pressure (mmHg)	3m vs 6m	29.7 (25.7)	26.7 (24.0)	25.2 [38.2]	18.6 [27.4]	[-8.0; 85.2]	[-4.2; 92.8]	[18.7; 40.7]	[15.9; 37.4]	[-1.3; 73.1]	[-2.8; 61.0]	0.441
Anal canal PV (10 ⁴ mmHg ² .cm)	pre vs post	3.6 (2.6)	5.0 (3.8)	3.0 [3.0]	4.2 [3.9]	[0.4; 9.5]	[1.5; 18.8]	[2.6; 4.7]	[3.5; 6.6]	[0.5; 8.7]	[1.6; 9.3]	< 0.05
Anal canal PV (10 ⁴ mmHg ² .cm)	pre vs 3m	3.6 (2.6)	5.3 (3.5)	3.0 [3.0]	5.2 [2.9]	[0.4; 9.5]	[0.4; 14.2]	[2.6; 4.7]	[3.8; 6.8]	[0.5; 8.7]	[0.8; 12.5]	< 0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	pre vs 6m	3.6 (2.6)	4.3 (3.1)	3.0 [3.0]	3.8 [3.6]	[0.4; 9.5]	[0.8; 12.0]	[2.6; 4.7]	[3.0; 5.7]	[0.5; 8.7]	[1.0; 10.7]	< 0.01
Anal canal PV (10 ⁴ mmHg ² .cm)	post vs 3m	5.0 (3.8)	5.3 (3.5)	4.2 [3.9]	5.2 [2.9]	[1.5; 18.8]	[0.4; 14.2]	[3.5; 6.6]	[3.8; 6.8]	[1.6; 9.3]	[0.8; 12.5]	0.348
Anal canal PV (10 ⁴ mmHg ² .cm)	post vs 6m	5.0 (3.8)	4.3 (3.1)	4.2 [3.9]	3.8 [3.6]	[1.5; 18.8]	[0.8; 12.0]	[3.5; 6.6]	[3.0; 5.7]	[1.6; 9.3]	[1.0; 10.7]	0.984
Anal canal PV (10 ⁴ mmHg ² .cm)	3m vs 6m	5.3 (3.5)	4.3 (3.1)	5.2 [2.9]	3.8 [3.6]	[0.4; 14.2]	[0.8; 12.0]	[3.8; 6.8]	[3.0; 5.7]	[0.8; 12.5]	[1.0; 10.7]	0.162
Highest pressure asymmetry (%) anal canal	pre vs post	21.3 (9.7)	19.8 (10.8)	18.6 [14.9]	17.4 [12.2]	[7.4; 38.7]	[6.6; 54.1]	[17.4; 25.2]	[15.5; 24.2]	[8.2; 37.7]	[9.2; 36.2]	0.539
Highest pressure asymmetry (%) anal canal	pre vs 3m	21.3 (9.7)	22.8 (10.7)	18.6 [14.9]	20.5 [12.4]	[7.4; 38.7]	[8.1; 53.7]	[17.4; 25.2]	[18.3; 27.4]	[8.2; 37.7]	[10.9; 37.1]	0.602
Highest pressure asymmetry (%) anal canal	pre vs 6m	21.3 (9.7)	24.5 (13.5)	18.6 [14.9]	24.1 [14.4]	[7.4; 38.7]	[6.9; 64.0]	[17.4; 25.2]	[18.5; 30.6]	[8.2; 37.7]	[10.8; 44.0]	0.515
Highest pressure asymmetry (%) anal canal	post vs 3m	19.8 (10.8)	22.8 (10.7)	17.4 [12.2]	20.5 [12.4]	[6.6; 54.1]	[8.1; 53.7]	[15.5; 24.2]	[18.3; 27.4]	[9.2; 36.2]	[10.9; 37.1]	0.157
Highest pressure asymmetry (%) anal canal	post vs 6m	19.8 (10.8)	24.5 (13.5)	17.4 [12.2]	24.1 [14.4]	[6.6; 54.1]	[6.9; 64.0]	[15.5; 24.2]	[18.5; 30.6]	[9.2; 36.2]	[10.8; 44.0]	0.121
Highest pressure asymmetry (%) anal canal	3m vs 6m	22.8 (10.7)	24.5 (13.5)	20.5 [12.4]	24.1 [14.4]	[8.1; 53.7]	[6.9; 64.0]	[18.3; 27.4]	[18.5; 30.6]	[10.9; 37.1]	[10.8; 44.0]	0.481
Lowest pressure asymmetry (%) anal canal	pre vs post	17.8 (8.0)	18.5 (14.9)	16.9 [10.7]	13.8 [11.9]	[6.4; 39.0]	[5.6; 76.0]	[14.6; 21.0]	[12.5; 24.5]	[7.8; 31.3]	[6.2; 36.1]	0.922
Lowest pressure asymmetry (%) anal canal	pre vs 3m	17.8 (8.0)	19.7 (13.2)	16.9 [10.7]	14.9 [7.0]	[6.4; 39.0]	[6.0; 64.3]	[14.6; 21.0]	[14.1; 25.4]	[7.8; 31.3]	[9.5; 42.7]	0.191
Lowest pressure asymmetry (%) anal canal	pre vs 6m	17.8 (8.0)	20.7 (15.3)	16.9 [10.7]	15.2 [15.4]	[6.4; 39.0]	[5.3; 64.4]	[14.6; 21.0]	[13.8; 27.6]	[7.8; 31.3]	[8.1; 50.7]	0.457

Cough manometric parameters	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Lowest pressure asymmetry (%) anal canal	post vs 3m	18.5 (14.9)	19.7 (13.2)	13.8 [11.9]	14.9 [7.0]	[5.6; 76.0]	[6.0; 64.3]	[12.5; 24.5]	[14.1; 25.4]	[6.2; 36.1]	[9.5; 42.7]	0.940
Lowest pressure asymmetry (%) anal canal	post vs 6m	18.5 (14.9)	20.7 (15.3)	13.8 [11.9]	15.2 [15.4]	[5.6; 76.0]	[5.3; 64.4]	[12.5; 24.5]	[13.8; 27.6]	[6.2; 36.1]	[8.1; 50.7]	0.936
Lowest pressure asymmetry (%) anal canal	3m vs 6m	19.7 (13.2)	20.7 (15.3)	14.9 [7.0]	15.2 [15.4]	[6.0; 64.3]	[5.3; 64.4]	[14.1; 25.4]	[13.8; 27.6]	[9.5; 42.7]	[8.1; 50.7]	0.922

123

124 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
125 interval)

126 Bold values indicate statistically significant ($p < 0.05$)

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146 **Table ST9 Comparison of rectal sensory thresholds and RAIR parameters - incontinent patients**
147 **(pre and post-BF, 3m and 6m post-BF completion)**

148

Rectal sensory thresholds; RAIR	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
First sensation volume (ml)	pre vs post	35.6 (22.3)	26.6 (22.2)	35.0 [34.2]	18.5 [21.5]	[4.0; 86.0]	[5.0; 92.0]	[26.7; 44.5]	[17.7; 35.5]	[8.1; 77.0]	[5.15; 60.0]	0.103
First sensation volume (ml)	pre vs 3m	35.6 (22.3)	30.4 (29.6)	35.0 [34.2]	22.0 [32.0]	[4.0; 86.0]	[4.0; 130.0]	[26.7; 44.5]	[17.7; 43.0]	[8.1; 77.0]	[8.0; 60.0]	0.444
First sensation volume (ml)	pre vs 6m	35.6 (22.3)	22.5 (17.6)	35.0 [34.2]	18.0 [16.0]	[4.0; 86.0]	[4.0; 68.0]	[26.7; 44.5]	[14.6; 30.4]	[8.1; 77.0]	[7.6; 55.4]	0.112
First sensation volume (ml)	post vs 3m	26.6 (22.2)	30.4 (29.6)	18.5 [21.5]	22.0 [32.0]	[5.0; 92.0]	[4.0; 130.0]	[17.7; 35.5]	[17.7; 43.0]	[5.1; 60.0]	[8.0; 60.0]	0.840
First sensation volume (ml)	post vs 6m	26.6 (22.2)	22.5 (17.6)	18.5 [21.5]	18.0 [16.0]	[5.0; 92.0]	[4.0; 68.0]	[17.7; 35.5]	[14.6; 30.4]	[5.1; 60.0]	[7.6; 55.4]	0.553
First sensation volume (ml)	3m vs 6m	30.4 (29.6)	22.5 (17.6)	22.0 [32.0]	18.0 [16.0]	[4.0; 130.0]	[4.0; 68.0]	[17.7; 43.0]	[14.6; 30.4]	[8.0; 60.0]	[7.6; 55.4]	0.255
Desire to defaecate volume (ml)	pre vs post	59.5 (28.3)	54.7 (25.4)	60.0 [31.7]	52.0 [37.5]	[20.0; 120]	[22.0 ; 110.0]	[48.2; 70.9]	[44.6; 64.9]	[22.0; 109.1]	[22.4; 100.2]	0.668
Desire to defaecate volume (ml)	pre vs 3m	59.5 (28.3)	49.9 (30.2)	60.0 [31.7]	46.0 [49.0]	[20.0; 120]	[16.0 ; 132.0]	[48.2; 70.9]	[37.0; 62.9]	[22.0; 109.1]	[20.0; 84.0]	0.304
Desire to defaecate volume (ml)	pre vs 6m	59.5 (28.3)	46.0 (21.4)	60.0 [31.7]	46.0 [30.0]	[20.0; 120]	[20.0; 86.0]	[48.2; 70.9]	[36.4; 55.6]	[22.0; 109.1]	[20.0; 80.6]	0.201
Desire to defaecate volume (ml)	post vs 3m	54.7 (25.4)	49.9 (30.2)	52.0 [37.5]	46.0 [49.0]	[22.0; 110.0]	[16.0; 132.0]	[44.6; 64.9]	[37.0; 62.9]	[22.4; 100.2]	[20.0; 84.0]	0.144
Desire to defaecate volume (ml)	post vs 6m	54.7 (25.4)	46.0 (21.4)	52.0 [37.5]	46.0 [30.0]	[22.0; 110.0]	[20.0; 86.0]	[44.6; 64.9]	[36.4; 55.6]	[22.4; 100.2]	[20.0; 80.6]	0.078
Desire to defaecate volume (ml)	3m vs 6m	49.9 (30.2)	46.0 (21.4)	46.0 [49.0]	46.0 [30.0]	[16.0; 132.0]	[20.0; 86.0]	[37.0; 62.9]	[36.4; 55.6]	[20.0; 84.0]	[20.0; 80.6]	0.948
Maximum tolerated volume (ml)	pre vs pos	95.5 (40.8)	137.0 (37.7)	93.0 [44.7]	143.0 [53.7]	[32.0; 230.0]	[72.0 ; 210.0]	[79.1; 111.8]	[121.9; 152.0]	[43.5; 147.0]	[88.0; 180.0]	<0.01
Maximum tolerated volume (ml)	pre vs 3m	95.5 (40.8)	141.8(42.5)	93.0 [44.7]	142.0 [52.0]	[32.0; 230.0]	[52.0; 210.0]	[79.1; 111.8]	[123.6; 160.0]	[43.5; 147.0]	[78.0; 208.0]	<0.01
Maximum tolerated volume (ml)	pre vs 6m	95.5 (40.8)	123.7 (33.9)	93.0 [44.7]	116.0 [52.0]	[32.0; 230.0]	[72.0 ; 186.0]	[79.1; 111.8]	[108.5; 139.0]	[43.5; 147.0]	[72.0; 178.8]	<0.01

Rectal sensory thresholds; RAIR	Comparison (time 1 vs time 2)	Mean [SD] (1)	Mean [SD] (2)	Med [IQR] (1)	Med [IQR] (2)	Min; Max (1)	Min; Max (2)	95% CI (1)	95% CI (2)	5th; 95th (1)	5th; 95th (2)	p
Maximum tolerated volume (ml)	post vs 3m	137.0 (37.7)	141.8 (42.5)	143.0 [53.7]	142.0 [52.0]	[72.0 ; 210.0]	[52.0; 210.0]	[121.9; 152.0]	[123.6; 160.0]	[88.0; 180.0]	[78.0; 208.0]	0.920
Maximum tolerated volume (ml)	post vs 6m	137.0 (37.7)	123.7 (33.9)	143.0 [53.7]	116.0 [52.0]	[72.0 ; 210.0]	[72.0 ; 186.0]	[121.9; 152.0]	[108.5; 139.0]	[88.0; 180.0]	[72.0; 178.8]	0.055
Maximum tolerated volume (ml)	3m vs 6m	141.8(4 2.5)	123.7 (33.9)	142.0 [52.0]	116.0 [52.0]	[52.0; 210.0]	[72.0 ; 186.0]	[123.6; 160.0]	[108.5; 139.0]	[78.0; 208.0]	[72.0; 178.8]	0.073
Anal canal relaxation (%)	pre vs post	35.7 (22.2)	31.2 (21.6)	25.0 [34.2]	26.1 [31.5]	[7.6; 79.7]	[0.6; 69.9]	[26.8; 44.6]	[22.5; 39.8]	[8.3; 71.6]	[7.1; 69.0]	0.375
Anal canal relaxation (%)	pre vs 3m	35.7 (22.2)	32.3 (18.8)	25.0 [34.2]	30.7 [15.0]	[7.6; 79.7]	[1.9; 72.3]	[26.8; 44.6]	[24.3; 40.4]	[8.3; 71.6]	[3.1; 64.4]	0.495
Anal canal relaxation (%)	pre vs 6m	35.7 (22.2)	32.2 (18.7)	25.0 [34.2]	35.3 [22.3]	[7.6; 79.7]	[0.0; 80.4]	[26.8; 44.6]	[23.8; 40.6]	[8.3; 71.6]	[6.0; 50.4]	0.709
Anal canal relaxation (%)	post vs 3m	31.2 (21.6)	32.3 (18.8)	26.1 [31.5]	30.7 [15.0]	[0.6; 69.9]	[1.9; 72.3]	[22.5; 39.8]	[24.3; 40.4]	[7.1; 69.0]	[3.1; 64.4]	0.432
Anal canal relaxation (%)	post vs 6m	31.17 (21.63)	32.2 (18.7)	26.1 [31.5]	35.3 [22.3]	[0.6; 69.9]	[0.0; 80.4]	[22.5; 39.8]	[23.8; 40.6]	[7.1; 69.0]	[6.0; 50.4]	0.768
Anal canal relaxation (%)	3m vs 6m	32.3 (18.8)	32.2 (18.7)	30.7 [15.0]	35.3 [22.3]	[1.9; 72.3]	[0.0; 80.4]	[24.3; 40.4]	[23.8; 40.6]	[3.1; 64.4]	[6.0; 50.4]	0.595

149

150 BF (biofeedback); SD (standard deviation); Med (median); IQR (interquartile range); CI (confidence
151 interval)

152 Bold values indicate statistically significant ($p < 0.05$)

153