

A) Relation between responses (REMISSION, COURSE A at end of study, ADHERENT, SATISFIED and GOODQOL) and explanatory variables

Responses:

REMISSION: IBS-SSS <175 at study end

COURSE A at end of study: symptom profile A as judged by the end of the study

ADHERENT: FARS score at least 20

SATISFIED: at least 60% in satisfaction score at end of study

GOODQOL: IBS-QOL raw score below 102 at end of study (note: on figure above is the final IBS-QOL)

| Table | p_value |
|---------------------------------|---------|
| Table REMISSION * DISEASE_TYPE | 0.0172 |
| Table REMISSION * sex | 0.6791 |
| Table REMISSION * agegr | 0.7537 |
| Table REMISSION * BMIgr | 0.3406 |
| Table REMISSION * IBS_TYPE | 0.4451 |
| Table REMISSION * SMOKING | 1.0000 |
| Table REMISSION * DUR3 | 0.3768 |
| Table REMISSION * Q6 | 0.1620 |
| Table REMISSION * COURSE1 | 0.0053 |
| Table REMISSION * BRISTOL1 | 0.7590 |
| Table REMISSION * BRISTOL2 | 0.0679 |
| Table COURSE_A_2 * DISEASE_TYPE | 0.5944 |
| Table COURSE_A_2 * sex | 0.4155 |
| Table COURSE_A_2 * agegr | 1.0000 |
| Table COURSE_A_2 * BMIgr | 0.8781 |
| Table COURSE_A_2 * IBS_TYPE | 0.9533 |
| Table COURSE_A_2 * SMOKING | 1.0000 |
| Table COURSE_A_2 * DUR3 | 0.8616 |

| | |
|----------------------------------|-----------|
| Table COURSE_A_2 * Q6 | 0.2415 |
| Table COURSE_A_2 * COURSE1 | 6.822E-04 |
| Table COURSE_A_2 * BRISTOL1 | 0.7582 |
| Table COURSE_A_2 * BRISTOL2 | 6.375E-04 |
| Table ADHERENT * DISEASE_TYPE | 0.7135 |
| Table ADHERENT * sex | 0.8231 |
| Table ADHERENT * agegr | 0.7422 |
| Table ADHERENT * BMIgr | 0.7336 |
| Table ADHERENT * IBS_TYPE | 0.7101 |
| Table ADHERENT * SMOKING | 0.5786 |
| Table ADHERENT * DUR3 | 0.3742 |
| Table ADHERENT * Q6 | 7.581E-04 |
| Table ADHERENT * COURSE1 | 0.3330 |
| Table ADHERENT * BRISTOL1 | 0.7802 |
| Table ADHERENT * BRISTOL2 | 0.8901 |
| Table SATISFIED * sex | 0.7981 |
| Table SATISFIED * agegr | 0.1132 |
| Table SATISFIED * BMIgr | 0.1321 |
| Table SATISFIED * IBS_TYPE | 0.9067 |
| Table SATISFIED * SMOKING | 1.0000 |
| Table SATISFIED * DUR3 | 0.5132 |
| Table SATISFIED * Q6 | 0.6959 |
| Table SATISFIED * COURSE1 | 0.2639 |
| Table SATISFIED * BRISTOL1 | 0.0832 |
| Table SATISFIED * BRISTOL2 | 0.0707 |
| Table GOODQOL * DISEASE_TYPE | 0.0365 |
| Table GOODQOL * sex | 1.0000 |
| Table GOODQOL * agegr | 0.7138 |
| Table GOODQOL * BMIgr | 1.0000 |
| Table GOODQOL * IBS_TYPE | 0.6928 |
| Table GOODQOL * SMOKING | 0.0677 |
| Table GOODQOL * DUR3 | 0.8416 |
| Table GOODQOL * Q6 | 0.0051 |
| Table GOODQOL * COURSE1 | 0.1312 |
| Table GOODQOL * BRISTOL1 | 0.0597 |
| Table GOODQOL * BRISTOL2 | 1.672E-04 |

The following tables correspond to these p-values one-by-one. Note the substantial amount of missing values.

| Table of REMISSION by DISEASE_TYPE | | | |
|------------------------------------|--------------|-------------|-------|
| REMISSION | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| 0 | 20 46.51 | 88 68.22 | 108 |
| 1 | 23 53.49 | 41 31.78 | 64 |
| Total | 43 | 129 | 172 |
| Frequency Missing = 8 | | | |

| Table of REMISSION by sex | | | |
|---------------------------|-------------|-------------|-------|
| REMISSION | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 79 62.20 | 21 67.74 | 100 |
| 1 | 48 37.80 | 10 32.26 | 58 |
| Total | 127 | 31 | 158 |
| Frequency Missing = 22 | | | |

| Table of REMISSION by agegr | | | |
|-----------------------------|-------------|-------------|-------|
| REMISSION | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 52 64.20 | 56 61.54 | 108 |
| 1 | 29 35.80 | 35 38.46 | 64 |
| Total | 81 | 91 | 172 |
| Frequency Missing = 8 | | | |

| Table of REMISSION by BMIgr | |
|-----------------------------|-------|
| REMISSION | BMIgr |

| Frequency Col Pct | 1 | 2 | 3 | Total |
|------------------------|------------|-------------|-------------|-------|
| 0 | 9 81.82 | 36 58.06 | 24 63.16 | 69 |
| 1 | 2 18.18 | 26 41.94 | 14 36.84 | 42 |
| Total | 11 | 62 | 38 | 111 |
| Frequency Missing = 69 | | | | |

| Table of REMISSION by IBS_TYPE | | | | | |
|--------------------------------|-------------|-------------|-------------|------------|-------|
| REMISSION | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| 0 | 44 62.86 | 34 69.39 | 12 60.00 | 7 46.67 | 97 |
| 1 | 26 37.14 | 15 30.61 | 8 40.00 | 8 53.33 | 57 |
| Total | 70 | 49 | 20 | 15 | 154 |
| Frequency Missing = 26 | | | | | |

| Table of REMISSION by SMOKING | | | |
|-------------------------------|-------------|-------------|-------|
| REMISSION | SMOKING | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 81 62.79 | 11 61.11 | 92 |
| 1 | 48 37.21 | 7 38.89 | 55 |
| Total | 129 | 18 | 147 |
| Frequency Missing = 33 | | | |

| Table of REMISSION by DUR3 | | | |
|----------------------------|-------------|-------------|-------|
| REMISSION | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 45 59.21 | 41 67.21 | 86 |
| 1 | 31 40.79 | 20 32.79 | 51 |
| Total | 76 | 61 | 137 |
| Frequency Missing = 43 | | | |

| Table of REMISSION by Q6 | | | | |
|--------------------------|-------------|-------------|-------------|-------|
| REMISSION | Q6 | | | |
| Frequency Col Pct | 1 | 3 | 4 | Total |
| 0 | 38 67.86 | 22 73.33 | 44 55.70 | 104 |
| 1 | 18 32.14 | 8 26.67 | 35 44.30 | 61 |
| Total | 56 | 30 | 79 | 165 |
| Frequency Missing = 15 | | | | |

| Table of REMISSION by COURSE1 | | | | | |
|-------------------------------|--------------|------------|-------------|-------------|-------|
| REMISSION | COURSE1(F50) | | | | |
| Frequency Col Pct | A | B | C | D | Total |
| 0 | 7 29.17 | 3 60.00 | 43 67.19 | 47 67.14 | 100 |
| 1 | 17 70.83 | 2 40.00 | 21 32.81 | 23 32.86 | 63 |
| Total | 24 | 5 | 64 | 70 | 163 |
| Frequency Missing = 17 | | | | | |

| Table of REMISSION by BRISTOL1 | | | | | |
|--------------------------------|---------------|-------------|------------|-------------|-------|
| REMISSION | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 34 68.00 | 45 60.00 | 9 60.00 | 15 57.69 | 103 |
| 1 | 16 32.00 | 30 40.00 | 6 40.00 | 11 42.31 | 63 |
| Total | 50 | 75 | 15 | 26 | 166 |
| Frequency Missing = 14 | | | | | |

| Table of REMISSION by BRISTOL2 | | | | | |
|--------------------------------|---------------|-------------|------------|-------------|-------|
| REMISSION | BRISTOL2(F49) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 22 70.97 | 24 75.00 | 3 75.00 | 49 52.69 | 98 |

| | | | | | |
|------------------------|------------|------------|------------|-------------|-----|
| 1 | 9 29.03 | 8 25.00 | 1 25.00 | 44 47.31 | 62 |
| Total | 31 | 32 | 4 | 93 | 160 |
| Frequency Missing = 20 | | | | | |

| Table of COURSE_A_2 by DISEASE_TYPE | | | |
|-------------------------------------|--------------|-------------|-------|
| COURSE_A_2 | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| 0 | 20 46.51 | 63 52.50 | 83 |
| 1 | 23 53.49 | 57 47.50 | 80 |
| Total | 43 | 120 | 163 |
| Frequency Missing = 17 | | | |

| Table of COURSE_A_2 by sex | | | |
|----------------------------|-------------|-------------|-------|
| COURSE_A_2 | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 56 47.06 | 17 56.67 | 73 |
| 1 | 63 52.94 | 13 43.33 | 76 |
| Total | 119 | 30 | 149 |
| Frequency Missing = 31 | | | |

| Table of COURSE_A_2 by agegr | | | |
|------------------------------|-------------|-------------|-------|
| COURSE_A_2 | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 39 51.32 | 44 50.57 | 83 |
| 1 | 37 48.68 | 43 49.43 | 80 |
| Total | 76 | 87 | 163 |
| Frequency Missing = 17 | | | |

| Table of COURSE_A_2 by BMIgr | | | | |
|------------------------------|------------|-------------|-------------|-------|
| COURSE_A_2 | BMIgr | | | |
| Frequency Col Pct | 1 | 2 | 3 | Total |
| 0 | 5 50.00 | 28 45.90 | 18 51.43 | 51 |
| 1 | 5 50.00 | 33 54.10 | 17 48.57 | 55 |
| Total | 10 | 61 | 35 | 106 |
| Frequency Missing = 74 | | | | |

| Table of COURSE_A_2 by IBS_TYPE | | | | | |
|---------------------------------|-------------|-------------|-------------|------------|-------|
| COURSE_A_2 | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| 0 | 34 49.28 | 22 47.83 | 9 47.37 | 8 57.14 | 73 |
| 1 | 35 50.72 | 24 52.17 | 10 52.63 | 6 42.86 | 75 |
| Total | 69 | 46 | 19 | 14 | 148 |
| Frequency Missing = 32 | | | | | |

| Table of COURSE_A_2 by SMOKING | | | |
|--------------------------------|-------------|------------|-------|
| COURSE_A_2 | SMOKING | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 60 49.18 | 8 50.00 | 68 |
| 1 | 62 50.82 | 8 50.00 | 70 |
| Total | 122 | 16 | 138 |
| Frequency Missing = 42 | | | |

| Table of COURSE_A_2 by DUR3 | | | |
|-----------------------------|------|---|-------|
| COURSE_A_2 | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |

| | | | |
|------------------------|-------------|-------------|-----|
| 0 | 38 51.35 | 31 53.45 | 69 |
| 1 | 36 48.65 | 27 46.55 | 63 |
| Total | 74 | 58 | 132 |
| Frequency Missing = 48 | | | |

| Table of COURSE_A_2 by Q6 | | | | |
|---------------------------|-------------|-------------|-------------|-------|
| COURSE_A_2 | Q6 | | | |
| Frequency Col Pct | 1 | 3 | 4 | Total |
| 0 | 22 44.00 | 19 63.33 | 40 49.38 | 81 |
| 1 | 28 56.00 | 11 36.67 | 41 50.62 | 80 |
| Total | 50 | 30 | 81 | 161 |
| Frequency Missing = 19 | | | | |

| Table of COURSE_A_2 by COURSE1 | | | | | |
|--------------------------------|--------------|------------|-------------|-------------|-------|
| COURSE_A_2 | COURSE1(F50) | | | | |
| Frequency Col Pct | A | B | C | D | Total |
| 0 | 4 16.00 | 3 60.00 | 34 53.97 | 41 61.19 | 82 |
| 1 | 21 84.00 | 2 40.00 | 29 46.03 | 26 38.81 | 78 |
| Total | 25 | 5 | 63 | 67 | 160 |
| Frequency Missing = 20 | | | | | |

| Table of COURSE_A_2 by BRISTOL1 | | | | | |
|---------------------------------|---------------|-------------|------------|-------------|-------|
| COURSE_A_2 | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 22 46.81 | 36 48.65 | 9 60.00 | 14 56.00 | 81 |
| 1 | 25 53.19 | 38 51.35 | 6 40.00 | 11 44.00 | 80 |
| Total | 47 | 74 | 15 | 25 | 161 |

Frequency Missing = 19

| Table of COURSE_A_2 by BRISTOL2 | | | | | |
|---------------------------------|---------------|-------------|-------------|-------------|-------|
| COURSE_A_2 | BRISTOL2(F49) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 15 51.72 | 24 75.00 | 4 100.00 | 38 39.58 | 81 |
| 1 | 14 48.28 | 8 25.00 | 0 0.00 | 58 60.42 | 80 |
| Total | 29 | 32 | 4 | 96 | 161 |
| Frequency Missing = 19 | | | | | |

| Table of ADHERENT by DISEASE_TYPE | | | |
|-----------------------------------|--------------|-------------|-------|
| ADHERENT | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| 0 | 28 63.64 | 78 66.67 | 106 |
| 1 | 16 36.36 | 39 33.33 | 55 |
| Total | 44 | 117 | 161 |
| Frequency Missing = 19 | | | |

| Table of ADHERENT by sex | | | |
|--------------------------|-------------|-------------|-------|
| ADHERENT | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 81 68.07 | 18 64.29 | 99 |
| 1 | 38 31.93 | 10 35.71 | 48 |
| Total | 119 | 28 | 147 |
| Frequency Missing = 33 | | | |

| Table of ADHERENT by agegr | | | |
|----------------------------|-------|---|-------|
| ADHERENT | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |

| | | | |
|------------------------|-------------|-------------|-----|
| 0 | 49 64.47 | 57 67.06 | 106 |
| 1 | 27 35.53 | 28 32.94 | 55 |
| Total | 76 | 85 | 161 |
| Frequency Missing = 19 | | | |

| Table of ADHERENT by BMIgr | | | | |
|----------------------------|------------|-------------|-------------|-------|
| ADHERENT | BMIgr | | | |
| Frequency Col Pct | 1 | 2 | 3 | Total |
| 0 | 6 54.55 | 36 62.07 | 24 66.67 | 66 |
| 1 | 5 45.45 | 22 37.93 | 12 33.33 | 39 |
| Total | 11 | 58 | 36 | 105 |
| Frequency Missing = 75 | | | | |

| Table of ADHERENT by IBS_TYPE | | | | | |
|-------------------------------|-------------|-------------|-------------|------------|-------|
| ADHERENT | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| 0 | 45 65.22 | 29 64.44 | 15 78.95 | 9 69.23 | 98 |
| 1 | 24 34.78 | 16 35.56 | 4 21.05 | 4 30.77 | 48 |
| Total | 69 | 45 | 19 | 13 | 146 |
| Frequency Missing = 34 | | | | | |

| Table of ADHERENT by SMOKING | | | |
|------------------------------|-------------|-------------|-------|
| ADHERENT | SMOKING | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 79 64.75 | 11 73.33 | 90 |
| 1 | 43 35.25 | 4 26.67 | 47 |
| Total | 122 | 15 | 137 |
| Frequency Missing = 43 | | | |

| Table of ADHERENT by DUR3 | | | |
|---------------------------|-------------|-------------|-------|
| ADHERENT | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 43 58.11 | 39 66.10 | 82 |
| 1 | 31 41.89 | 20 33.90 | 51 |
| Total | 74 | 59 | 133 |
| Frequency Missing = 47 | | | |

| Table of ADHERENT by Q6 | | | | |
|-------------------------|-------------|-------------|-------------|-------|
| ADHERENT | Q6 | | | |
| Frequency Col Pct | 1 | 3 | 4 | Total |
| 0 | 40 78.43 | 25 83.33 | 41 51.90 | 106 |
| 1 | 11 21.57 | 5 16.67 | 38 48.10 | 54 |
| Total | 51 | 30 | 79 | 160 |
| Frequency Missing = 20 | | | | |

| Table of ADHERENT by COURSE1 | | | | | |
|------------------------------|--------------|------------|-------------|-------------|-------|
| ADHERENT | COURSE1(F50) | | | | |
| Frequency Col Pct | A | B | C | D | Total |
| 0 | 13 54.17 | 4 80.00 | 40 63.49 | 46 73.02 | 103 |
| 1 | 11 45.83 | 1 20.00 | 23 36.51 | 17 26.98 | 52 |
| Total | 24 | 5 | 63 | 63 | 155 |
| Frequency Missing = 25 | | | | | |

| Table of ADHERENT by BRISTOL1 | | | | | |
|-------------------------------|---------------|-------------|-------------|-------------|-------|
| ADHERENT | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 31 67.39 | 50 66.67 | 10 71.43 | 13 56.52 | 104 |
| 1 | 15 32.61 | 25 33.33 | 4 28.57 | 10 43.48 | 54 |

| | | | | | |
|------------------------|----|----|----|----|-----|
| Total | 46 | 75 | 14 | 23 | 158 |
| Frequency Missing = 22 | | | | | |

| Table of ADHERENT by BRISTOL2 | | | | | |
|-------------------------------|---------------|-------------|------------|-------------|-------|
| ADHERENT | BRISTOL2(F49) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 19 65.52 | 17 58.62 | 3 75.00 | 63 66.32 | 102 |
| 1 | 10 34.48 | 12 41.38 | 1 25.00 | 32 33.68 | 55 |
| Total | 29 | 29 | 4 | 95 | 157 |
| Frequency Missing = 23 | | | | | |

| Table of SATISFIED by DISEASE_TYPE | | | |
|------------------------------------|--------------|-------------|-------|
| SATISFIED | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| 0 | 0 . | 36 30.25 | 36 |
| 1 | 0 . | 83 69.75 | 83 |
| Total | 0 | 119 | 119 |
| Frequency Missing = 61 | | | |

| Table of SATISFIED by sex | | | |
|---------------------------|-------------|-------------|-------|
| SATISFIED | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 24 27.59 | 7 30.43 | 31 |
| 1 | 63 72.41 | 16 69.57 | 79 |
| Total | 87 | 23 | 110 |
| Frequency Missing = 70 | | | |

| Table of SATISFIED by agegr | | | |
|-----------------------------|-------|---|-------|
| SATISFIED | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |

| | | | |
|------------------------|-------------|-------------|-----|
| 0 | 22 37.29 | 14 23.33 | 36 |
| 1 | 37 62.71 | 46 76.67 | 83 |
| Total | 59 | 60 | 119 |
| Frequency Missing = 61 | | | |

| Table of SATISFIED by BMIgr | | | | |
|-----------------------------|-------------|-------------|-------------|-------|
| SATISFIED | BMIgr | | | |
| Frequency Col Pct | 1 | 2 | 3 | Total |
| 0 | 0 0.00 | 14 29.79 | 3 13.04 | 17 |
| 1 | 6 100.00 | 33 70.21 | 20 86.96 | 59 |
| Total | 6 | 47 | 23 | 76 |
| Frequency Missing = 104 | | | | |

| Table of SATISFIED by IBS_TYPE | | | | | |
|--------------------------------|-------------|-------------|-------------|------------|-------|
| SATISFIED | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| 0 | 13 29.55 | 10 25.00 | 5 31.25 | 3 33.33 | 31 |
| 1 | 31 70.45 | 30 75.00 | 11 68.75 | 6 66.67 | 78 |
| Total | 44 | 40 | 16 | 9 | 109 |
| Frequency Missing = 71 | | | | | |

| Table of SATISFIED by SMOKING | | | |
|-------------------------------|-------------|------------|-------|
| SATISFIED | SMOKING | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 24 26.97 | 3 25.00 | 27 |
| 1 | 65 73.03 | 9 75.00 | 74 |
| Total | 89 | 12 | 101 |
| Frequency Missing = 79 | | | |

| Table of SATISFIED by DUR3 | | | |
|----------------------------|-------------|-------------|-------|
| SATISFIED | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 14 26.92 | 15 33.33 | 29 |
| 1 | 38 73.08 | 30 66.67 | 68 |
| Total | 52 | 45 | 97 |
| Frequency Missing = 83 | | | |

| Table of SATISFIED by Q6 | | | | |
|--------------------------|-------------|-------------|-------------|-------|
| SATISFIED | Q6 | | | |
| Frequency Col Pct | 1 | 3 | 4 | Total |
| 0 | 11 28.95 | 9 37.50 | 15 27.27 | 35 |
| 1 | 27 71.05 | 15 62.50 | 40 72.73 | 82 |
| Total | 38 | 24 | 55 | 117 |
| Frequency Missing = 63 | | | | |

| Table of SATISFIED by COURSE1 | | | | | |
|-------------------------------|--------------|-------------|-------------|-------------|-------|
| SATISFIED | COURSE1(F50) | | | | |
| Frequency Col Pct | A | B | C | D | Total |
| 0 | 1 9.09 | 0 0.00 | 16 32.65 | 17 33.33 | 34 |
| 1 | 10 90.91 | 4 100.00 | 33 67.35 | 34 66.67 | 81 |
| Total | 11 | 4 | 49 | 51 | 115 |
| Frequency Missing = 65 | | | | | |

| Table of SATISFIED by BRISTOL1 | | | | | |
|--------------------------------|---------------|-------------|-------------|-------------|-------|
| SATISFIED | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 8 19.51 | 18 39.13 | 2 14.29 | 7 41.18 | 35 |
| 1 | 33 80.49 | 28 60.87 | 12 85.71 | 10 58.82 | 83 |

| | | | | | |
|------------------------|----|----|----|----|-----|
| Total | 41 | 46 | 14 | 17 | 118 |
| Frequency Missing = 62 | | | | | |

| Table of SATISFIED by BRISTOL2 | | | | | |
|--------------------------------|---------------|-------------|-------------|-------------|-------|
| SATISFIED | BRISTOL2(F49) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 4 16.00 | 10 47.62 | 0 0.00 | 20 30.77 | 34 |
| 1 | 21 84.00 | 11 52.38 | 4 100.00 | 45 69.23 | 81 |
| Total | 25 | 21 | 4 | 65 | 115 |
| Frequency Missing = 65 | | | | | |

| Table of GOODQOL by DISEASE_TYPE | | | |
|----------------------------------|--------------|-------------|-------|
| GOODQOL | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| 0 | 5 11.11 | 33 27.27 | 38 |
| 1 | 40 88.89 | 88 72.73 | 128 |
| Total | 45 | 121 | 166 |
| Frequency Missing = 14 | | | |

| Table of GOODQOL by sex | | | |
|-------------------------|-------------|-------------|-------|
| GOODQOL | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 27 22.13 | 6 20.69 | 33 |
| 1 | 95 77.87 | 23 79.31 | 118 |
| Total | 122 | 29 | 151 |
| Frequency Missing = 29 | | | |

| Table of GOODQOL by agegr | | | |
|---------------------------|-------|---|-------|
| GOODQOL | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |

| | | | |
|------------------------|-------------|-------------|-----|
| 0 | 19 24.36 | 19 21.59 | 38 |
| 1 | 59 75.64 | 69 78.41 | 128 |
| Total | 78 | 88 | 166 |
| Frequency Missing = 14 | | | |

| Table of GOODQOL by BMIgr | | | | |
|---------------------------|------------|-------------|-------------|-------|
| GOODQOL | BMIgr | | | |
| Frequency Col Pct | 1 | 2 | 3 | Total |
| 0 | 2 20.00 | 14 23.73 | 9 23.08 | 25 |
| 1 | 8 80.00 | 45 76.27 | 30 76.92 | 83 |
| Total | 10 | 59 | 39 | 108 |
| Frequency Missing = 72 | | | | |

| Table of GOODQOL by IBS_TYPE | | | | | |
|------------------------------|-------------|-------------|-------------|-------------|-------|
| GOODQOL | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| 0 | 14 20.29 | 10 21.74 | 6 31.58 | 2 14.29 | 32 |
| 1 | 55 79.71 | 36 78.26 | 13 68.42 | 12 85.71 | 116 |
| Total | 69 | 46 | 19 | 14 | 148 |
| Frequency Missing = 32 | | | | | |

| Table of GOODQOL by SMOKING | | | |
|-----------------------------|-------------|-------------|-------|
| GOODQOL | SMOKING | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 25 20.33 | 7 41.18 | 32 |
| 1 | 98 79.67 | 10 58.82 | 108 |
| Total | 123 | 17 | 140 |
| Frequency Missing = 40 | | | |

| Table of GOODQOL by DUR3 | | | |
|--------------------------|-------------|-------------|-------|
| GOODQOL | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 18 25.00 | 14 23.33 | 32 |
| 1 | 54 75.00 | 46 76.67 | 100 |
| Total | 72 | 60 | 132 |
| Frequency Missing = 48 | | | |

| Table of GOODQOL by Q6 | | | | |
|------------------------|-------------|-------------|-------------|-------|
| GOODQOL | Q6 | | | |
| Frequency Col Pct | 1 | 3 | 4 | Total |
| 0 | 7 13.46 | 14 45.16 | 16 20.78 | 37 |
| 1 | 45 86.54 | 17 54.84 | 61 79.22 | 123 |
| Total | 52 | 31 | 77 | 160 |
| Frequency Missing = 20 | | | | |

| Table of GOODQOL by COURSE1 | | | | | |
|-----------------------------|--------------|------------|-------------|-------------|-------|
| GOODQOL | COURSE1(F50) | | | | |
| Frequency Col Pct | A | B | C | D | Total |
| 0 | 2 9.09 | 1 20.00 | 19 31.15 | 13 18.84 | 35 |
| 1 | 20 90.91 | 4 80.00 | 42 68.85 | 56 81.16 | 122 |
| Total | 22 | 5 | 61 | 69 | 157 |
| Frequency Missing = 23 | | | | | |

| Table of GOODQOL by BRISTOL1 | | | | | |
|------------------------------|---------------|-------------|-------------|-------------|-------|
| GOODQOL | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 10 21.74 | 19 25.68 | 5 33.33 | 1 4.00 | 35 |
| 1 | 36 78.26 | 55 74.32 | 10 66.67 | 24 96.00 | 125 |

| | | | | | |
|------------------------|----|----|----|----|-----|
| Total | 46 | 74 | 15 | 25 | 160 |
| Frequency Missing = 20 | | | | | |

| Table of GOODQOL by BRISTOL2 | | | | | |
|------------------------------|---------------|-------------|------------|-------------|-------|
| GOODQOL | BRISTOL2(F49) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| 0 | 7 23.33 | 12 41.38 | 3 75.00 | 10 10.87 | 32 |
| 1 | 23 76.67 | 17 58.62 | 1 25.00 | 82 89.13 | 123 |
| Total | 30 | 29 | 4 | 92 | 155 |
| Frequency Missing = 25 | | | | | |

B) Association between the baseline 'Course' (A, B, C, D) and other baseline characteristics:

Table of association p-values (Fisher's test) between the baseline 'Course' (A, B, C, D) and other baseline characteristics:

| Table | p_value |
|------------------------------|---------|
| Table COURSE1 * DISEASE_TYPE | 0.0185 |
| Table COURSE1 * sex | 0.6017 |
| Table COURSE1 * agegr | 0.0938 |
| Table COURSE1 * BMIgr | 0.0959 |
| Table COURSE1 * IBS_TYPE | 0.0347 |
| Table COURSE1 * SMOKING | 0.2501 |
| Table COURSE1 * DUR3 | 0.8604 |
| Table COURSE1 * BRISTOL1 | 0.8825 |

NOTE: only 'type of disease' (IBS / IBD-IBS) seems to be connected to the Course type. The IBS group only contains few 'A's.

The following tables correspond to these p-values one-by-one. Note the substantial amount of missing values.

| Table of COURSE1 by DISEASE_TYPE | | | |
|----------------------------------|--------------|-------------|-------|
| COURSE1(F50) | DISEASE_TYPE | | |
| Frequency Col Pct | IBD-IBS | IBS | Total |
| A | 13 30.23 | 12 9.76 | 25 |
| B | 1 2.33 | 4 3.25 | 5 |
| C | 13 30.23 | 51 41.46 | 64 |
| D | 16 37.21 | 56 45.53 | 72 |
| Total | 43 | 123 | 166 |
| Frequency Missing = 14 | | | |

| Table of COURSE1 by sex | | | |
|-------------------------|-------------|-------------|-------|
| COURSE1(F50) | sex | | |
| Frequency Col Pct | 0 | 1 | Total |
| A | 20 16.26 | 4 13.33 | 24 |
| B | 5 4.07 | 0 0.00 | 5 |
| C | 42 34.15 | 14 46.67 | 56 |
| D | 56 45.53 | 12 40.00 | 68 |
| Total | 123 | 30 | 153 |
| Frequency Missing = 27 | | | |

| Table of COURSE1 by agegr | | | |
|---------------------------|-----------|-------------|-------|
| COURSE1(F50) | agegr | | |
| Frequency Col Pct | 0 | 1 | Total |
| A | 7 9.21 | 18 20.00 | 25 |

| | | | |
|-------|-------------|-------------|-----|
| B | 2 2.63 | 3 3.33 | 5 |
| C | 36 47.37 | 28 31.11 | 64 |
| D | 31 40.79 | 41 45.56 | 72 |
| Total | 76 | 90 | 166 |

Frequency Missing = 14

| Table of COURSE1 by BMIgr | | | | |
|---------------------------|------------|-------------|-------------|-------|
| COURSE1(F50) | BMIgr | | | |
| Frequency Col Pct | 1 | 2 | 3 | Total |
| A | 0 0.00 | 11 18.33 | 6 16.22 | 17 |
| B | 3 27.27 | 1 1.67 | 1 2.70 | 5 |
| C | 4 36.36 | 21 35.00 | 12 32.43 | 37 |
| D | 4 36.36 | 27 45.00 | 18 48.65 | 49 |
| Total | 11 | 60 | 37 | 108 |

Frequency Missing = 72

| Table of COURSE1 by IBS_TYPE | | | | | |
|------------------------------|-------------|-------------|-------------|------------|-------|
| COURSE1(F50) | IBS_TYPE | | | | |
| Frequency Col Pct | 1 | 2 | 3 | 4 | Total |
| A | 12 16.90 | 6 12.50 | 4 21.05 | 2 15.38 | 24 |
| B | 1 1.41 | 3 6.25 | 1 5.26 | 0 0.00 | 5 |
| C | 33 46.48 | 16 33.33 | 1 5.26 | 6 46.15 | 56 |
| D | 25 35.21 | 23 47.92 | 13 68.42 | 5 38.46 | 66 |
| Total | 71 | 48 | 19 | 13 | 151 |

Frequency Missing = 29

Table of COURSE1 by SMOKING

| COURSE1(F50) | SMOKING | | |
|------------------------|-------------|------------|-------|
| Frequency Col Pct | 0 | 1 | Total |
| A | 19 15.08 | 5 31.25 | 24 |
| B | 4 3.17 | 1 6.25 | 5 |
| C | 45 35.71 | 5 31.25 | 50 |
| D | 58 46.03 | 5 31.25 | 63 |
| Total | 126 | 16 | 142 |
| Frequency Missing = 38 | | | |

| Table of COURSE1 by DUR3 | | | |
|--------------------------|-------------|-------------|-------|
| COURSE1(F50) | DUR3 | | |
| Frequency Col Pct | 0 | 1 | Total |
| A | 12 16.44 | 9 15.25 | 21 |
| B | 2 2.74 | 3 5.08 | 5 |
| C | 32 43.84 | 23 38.98 | 55 |
| D | 27 36.99 | 24 40.68 | 51 |
| Total | 73 | 59 | 132 |
| Frequency Missing = 48 | | | |

| Table of COURSE1 by BRISTOL1 | | | | | |
|------------------------------|---------------|-------------|------------|-------------|-------|
| COURSE1(F50) | BRISTOL1(F47) | | | | |
| Frequency Col Pct | C | D | M | N | Total |
| A | 6 12.50 | 13 17.11 | 2 13.33 | 4 16.67 | 25 |
| B | 2 4.17 | 2 2.63 | 1 6.67 | 0 0.00 | 5 |
| C | 17 35.42 | 33 43.42 | 5 33.33 | 8 33.33 | 63 |
| D | 23 47.92 | 28 36.84 | 7 46.67 | 12 50.00 | 70 |
| Total | 48 | 76 | 15 | 24 | 163 |
| Frequency Missing = 17 | | | | | |

C) Association between the response 'Course A at end of study' and the other 4 responses:

Table of association p-values (Fishers test) between the response 'Course A at end of study' and

the other 4 responses:

| Table | p_value |
|---------------------------------|-----------|
| Table COURSE_A_2 * REMISSION | 9.769E-06 |
| Table COURSE_A_2 * ADHERENT | 1.0000 |
| Table COURSE_A_2 * SATISFIED | 0.2203 |
| Table COURSE_A_2 * GOODQOL | 5.762E-06 |

| Table of COURSE_A_2 by REMISSION | | | |
|----------------------------------|-------------|-------------|-------|
| COURSE_A_2 | REMISSION | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 64 65.31 | 18 29.03 | 82 |
| 1 | 34 34.69 | 44 70.97 | 78 |
| Total | 98 | 62 | 160 |
| Frequency Missing = 20 | | | |

| Table of COURSE_A_2 by ADHERENT | | | |
|---------------------------------|-------------|-------------|-------|
| COURSE_A_2 | ADHERENT | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 50 49.02 | 27 50.00 | 77 |
| 1 | 52 50.98 | 27 50.00 | 79 |
| Total | 102 | 54 | 156 |
| Frequency Missing = 24 | | | |

| Table of COURSE_A_2 by SATISFIED | | | |
|----------------------------------|-------------|-------------|-------|
| COURSE_A_2 | SATISFIED | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 21 61.76 | 38 48.10 | 59 |

| | | | |
|------------------------|-------------|-------------|-----|
| 1 | 13 38.24 | 41 51.90 | 54 |
| Total | 34 | 79 | 113 |
| Frequency Missing = 67 | | | |

| Table of COURSE_A_2 by GOODQOL | | | |
|--------------------------------|-------------|-------------|-------|
| COURSE_A_2 | GOODQOL | | |
| Frequency Col Pct | 0 | 1 | Total |
| 0 | 29 85.29 | 51 42.15 | 80 |
| 1 | 5 14.71 | 70 57.85 | 75 |
| Total | 34 | 121 | 155 |
| Frequency Missing = 25 | | | |

D) Multivariate analysis of the response 'Course A at end of study'.

The binary response 'Course A at end of study' can possibly be predicted by baseline characteristics. As evident from p-values on page 2, the Course type at baseline predicts this well. 21/25 subjects that started with A ended on A.

It is perhaps more interesting to predict 'Course A at end of study' for those subjects with B/C/D types at baseline. Here the probability of switching to A is about 40% (table page 9, top, Course1*Course2).

However, multivariate regression (logistic regression) does **not** show any influence of other above mentioned baseline variables on the probability of ending with a Course A type, given type B, C, D at baseline.

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