

Appendix 2: Data sets

Appendix 2: Data sets

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1 # Study: Albumin in hepatorenal syndrome
2 # Date: 2015-02-17
3 # Analyst: Mahlon M. Wilkes, PhD
4 # R version: 3.0.2
5
6
7 # Function definitions
8
9 fc <- function(x,y=1,z="") {
10   formatC(x,digits=y,format="f",big.mark=z)}
11
12 scrmol2mg <- function(x) {x/88.4}
13
14 scrmg2mol <- function(x) {x*88.4}
15
16 bilimol2mg <- function(x) {x*4/68}
17
18 pool.mean <- function(n,mean,decimal=6) {
19   round(sum(n*mean)/sum(n),decimal)
20 }
21
22 pool.sd <- function(n,sd,decimal=6) {
23   k <- length(n)
24   round(sqrt(sum((n-1)*sd^2)/(sum(n)-k)),decimal)
25 }
26
27 z <- function(xbar,sd,n,x=1.5) {
28   round(pnorm((x-xbar)/sd)*n)
29 }
30
31 bp2map <- function(syst,diast) {
32   syst/3+diast*2/3
33 }
34
35 # Individual patient data of von Kalckreuth et al, 2009
36
37 baseline.7492 <- data.frame(
38   pt.id=as.integer(c(1,2,3,4,5,6,7,7,8,9,10,11,12,13,14,15,16,
39   16,17,18,19,20,21,21,22,19,19,23,24,24,25,26,27,28,26,26,
40   29,30)),
41   tx.n=as.integer(c(1,1,1,1,1,1,2,2,1,1,1,1,1,1,1,1,1,1,2,2,1,1,3,
42   1,2,2,1,3,3,1,2,2,1,3,1,1,3,3,1,1)),
43   success=as.integer(c(0,0,1,1,1,0,1,1,0,1,0,1,1,1,1,1,0,1,1,0,
44   0,3,1,0,0,1,3,3,1,2,2,1,2,1,1,2,2,1,1,1)),
45   age=as.integer(c(56,32,51,46,67,56,48,48,68,39,49,34,48,40,
46   69,58,48,48,67,52,62,38,56,56,60,62,62,67,49,49,56,47,60,
47   60,47,47,48,54))),
48   sex=c("m","m","m","f","f","f","f","f","f","m","m","m","f",
49   "f","m","f","m","m","m","m","f","m","m","m","m","m","m",
50   "f","m","m","f","f","m","m","m","m","f","f"),
51   etiology=c("alcoholic","alcoholic","alcoholic","alcoholic",
52   "alcoholic","autoimmune","alcoholic","hepatitis C","hepatitis C",
53   "hepatitis C","alcoholic","alcoholic + other","alcoholic",
54   "alcoholic","hepatitis C","alcoholic","alcoholic",
55   "alcoholic","alcoholic","hepatitis B + C","alcoholic",
56   "hepatitis B","alcoholic","alcoholic","alcoholic",
57   "hepatitis C","hepatitis B","hepatitis B",
58   "alcoholic + hepatitis B","alcoholic","alcoholic",
59   "alcoholic","alcoholic","alcoholic","alcoholic",
60   "alcoholic","alcoholic","alcoholic","alcoholic"),
61   hrs.type=c("I","I","I","I","I","II","II","II","I","I",
62   "I","I","I","I","I","I","I","II","I","I","I","I",
63   "I","I","I","I","I","I","I","I","I","I","I","I"),
64   child=as.integer(c(3,3,2,3,3,3,3,3,3,3,3,3,3,3,2,3,3,3,2,
65   3,3,3,3,3,3,3,3,3,2,3,3,2,3,3,2,3)),
66   death=c("y","n","y","y","y","y","y","y","n","y","y","y","y",
67   "y","y","n","n","n","n","n","y","n","y","y","y","n","y",
68   "n","n","n","n","y","n","n","n","n","n","n","n","n","n"),
69   
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1 transplant=c("n","n","n","n","n","y","y","y","n","n","n",
2   "n","y","n","n","n","n","y","n","n","n","y","n",
3   "n","y","y","y","n","y","n","n","y","n","n"))
4 hrs.def="IAC albumin",
5 reversal.def="SCr<1.5",
6 followup=450),
7
8 # Study level data
9
10 study <- list(
11
12   data.frame(
13     study.id=6602,
14     year=2008,
15     author="Sanyal et al",
16     design=factor("randomized",
17       levels=c("randomized", "prospective", "retrospective")),
18     hrs.def="IAC saline and/or albumin",
19     reversal.def="SCr<=1.5",
20     followup=180),
21
22   data.frame(
23     study.id=6601,
24     year=2008,
25     author="Martín-Lláhi et al",
26     design="randomized",
27     hrs.def="IAC unspecified",
28     reversal.def=paste("SCr<",
29       fC(scramol2mg(133)),sep=""),
30     followup=90),
31
32   data.frame(
33     study.id=6739,
34     year=2008,
35     author="Neri et al",
36     design="randomized",
37     hrs.def="IAC saline",
38     reversal.def="SCr<1.5",
39     followup=180),
40
41   data.frame(
42     study.id=7504,
43     year=2002,
44     author="Moreau et al",
45     design="retrospective",
46     hrs.def="IAC unspecified",
47     reversal.def=paste("SCr<",
48       fC(scramol2mg(130)),sep=""),
49     followup=63),
50
51   data.frame(
52     study.id=7503,
53     year=2002,
54     author="Halimi et al",
55     design="retrospective",
56     hrs.def="IAC unspecified",
57     reversal.def="SCr<1.5",
58     followup=1080),
59
60   data.frame(
61     study.id=7505,
62     year=2001,
63     author="Mulkey et al",
64     design="prospective",
65     hrs.def="IAC saline+albumin",
66     reversal.def="SCr<1.5",
67     followup=95),
68
69   data.frame(
70     study.id=7380,
71     year=2009,
72     author="Muñoz et al",
73     design="prospective",
74
75     hrs.def="IAC albumin",
76     reversal.def="SCr<1.5",
77     followup=450),
78
79   data.frame(
80     study.id=7506,
81     year=2009,
82     author="Uriz et al",
83     design="prospective",
84     hrs.def="IAC unspecified",
85     reversal.def="SCr<1.5",
86     followup=390),
87
88   data.frame(
89     study.id=8255,
90     year=2012,
91     author="Narahara et al",
92     design="prospective",
93     hrs.def="IAC saline",
94     reversal.def="SCr<1.5",
95     followup=12*7),
96
97   data.frame(
98     study.id=7492,
99     year=2009,
100    author="von Kalckreuth et al",
101    design="retrospective",
102    hrs.def="IAC saline",
103    reversal.def="SCr<=1.5",
104    followup=NA),
105
106   data.frame(
107     study.id=8351,
108     year=2011,
109     author="Silawat et al",
110     design="randomized",
111     hrs.def="IAC unspecified",
112     reversal.def="SCr<1.5",
113     followup=NA),
114
115   data.frame(
116     study.id=7497,
117     year=2007,
118     author="Alessandria et al",
119     design="randomized",
120     hrs.def="IAC albumin",
121     reversal.def="SCr<1.5",
122     followup=180),
123
124   data.frame(
125     study.id=7496,
126     year=2008,
127     author="Sharma et al",
128     design="randomized",
129     hrs.def="IAC albumin",
130     reversal.def="SCr<1.5",
131     followup=30),
132
133   data.frame(
134     study.id=8454,
135     year=2012,
136     author="Singh et al",
137     design="randomized",
138     hrs.def="IAC unspecified",
139     reversal.def="SCr<1.5",
140     followup=30),
141
142   data.frame(
143     study.id=8444,
144     year=2000,
145
146     hrs.def="IAC albumin",
147     reversal.def="SCr<1.5",
148     followup=30),
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1   ascites=NA,
2   sbp=NA,
3   infection=12,
4   bleed.gi=NA,
5   hcc=NA,
6   map=73,
7   map.sd=10,
8   hr=NA,
9   hr.sd=NA,
10  hbq=NA,
11  hbq.sd=NA,
12  wbc=NA,
13  wbc.sd=NA,
14  plt=NA,
15  plt.sd=NA,
16  dose.terl=pool.mean(c(3,4),c(6,12)),
17  t.terl=7,
18  dose.nadr=NA,
19  t.nadr=NA,
20  dose.mido=NA,
21  t.mido=NA,
22  dose.octreo=NA,
23  t.octreo=NA,
24  dose.alb.dx=NA,
25  t.alb.dx=NA,
26  dose.alb.tx=190/7,
27  t.alb.tx=7,
28  dose.alb.lvp=NA,
29  t.alb.lvp=NA,
30  dose.alb.sbp=NA,
31  t.alb.sbp=NA,
32  dose.conc.alb=20,
33  reversal=z(115,18,6,scrmg2mol(1.5)),
34  t.reversal=15,
35  survival=NA,
36  t.survival=90),

37  data.frame(
38  group.id=1,
39  study.id=7504,
40  n=99,
41  age=56,
42  age.sd=10,
43  scr.0=scrmol2mg(254),
44  scr.0.sd=scrmol2mg(99),
45  bilirubin=bilimol2mg(200),
46  bilirubin.sd=bilimol2mg(220),
47  salb=2.75,
48  salb.sd=0.73,
49  scr.incr.vol=NA,
50  ascites=99,
51  sbp=NA,
52  infection=36,
53  bleed.gi=22,
54  hcc=10,
55  map=78,
56  map.sd=20,
57  hr=80,
58  hr.sd=18,
59  hbq=NA,
60  hbq.sd=NA,
61  wbc=NA,
62  wbc.sd=NA,
63  plt=NA,
64  plt.sd=NA,
65  dose.terl=3.2,
66  t.terl=11.4,
67  dose.nadr=NA,
68  t.nadr=NA,
69  dose.mido=NA,
70  t.mido=NA,
71  dose.octreo=NA,
72  t.octreo=NA,
73  dose.alb.dx=NA,
74  t.alb.dx=NA,
75  dose.alb.tx=38,
76  t.alb.tx=11.4,
77  dose.alb.lvp=NA,
78  t.alb.lvp=NA,
79  dose.alb.sbp=NA,
80  t.alb.sbp=NA,
81  dose.conc.alb=20,
82  reversal=z(138,59,58,scrmg2mol(1.5)),
83  t.reversal=11,
84  survival=99.75,
85  t.survival=360),

86  data.frame(
87  group.id=1,
88  study.id=7503,
89  n=99,
90  age=56,
91  age.sd=10,
92  scr.0=scrmol2mg(248),
93  scr.0.sd=scrmol2mg(96),
94  bilirubin=NA,
95  bilirubin.sd=NA,
96  salb=2.71,
97  salb.sd=0.32,
98  scr.incr.vol=NA,
99  ascites=26,
100  sbp=NA,
101  infection=5,
102  bleed.gi=0,
103  hcc=0,
104  map=82,
105  map.sd=2,
106  hr=85.35,
107  hr.sd=9.4,
108  hbq=NA,
109  hbq.sd=NA,
110  wbc=NA,
111  wbc.sd=NA,
112  plt=NA,
113  plt.sd=NA,
114  dose.terl=pool.mean(c(5,14),c(3,1.5)),
115  t.terl=5+14,
116  dose.nadr=NA,
117  t.nadr=NA,
118  dose.mido=NA,
119  t.mido=NA,
120  dose.octreo=NA,
121  t.octreo=NA,
122  dose.alb.dx=NA,
123  t.alb.dx=NA,
124  dose.alb.tx=44,
125  t.alb.tx=5+14,
126  dose.alb.lvp=NA,
127  t.alb.lvp=NA,
128  dose.alb.sbp=NA,
129  t.alb.sbp=NA,
130  dose.conc.alb=20,
131  reversal=21,
132  t.reversal=14,
133  survival=26.10,
134  t.survival=180),
135  data.frame(
136  group.id=1,
137  study.id=7504,
138  n=99,
139  age=56,
140  age.sd=10,
141  scr.0=scrmol2mg(254),
142  scr.0.sd=scrmol2mg(99),
143  bilirubin=bilimol2mg(200),
144  bilirubin.sd=bilimol2mg(220),
145  salb=2.75,
146  salb.sd=0.73,
147  scr.incr.vol=NA,
148  ascites=99,
149  sbp=NA,
150  infection=36,
151  bleed.gi=22,
152  hcc=10,
153  map=78,
154  map.sd=20,
155  hr=80,
156  hr.sd=18,
157  hbq=NA,
158  hbq.sd=NA,
159  wbc=NA,
160  wbc.sd=NA,
161  plt=NA,
162  plt.sd=NA,
163  dose.terl=3.2,
164  t.terl=11.4,
165  dose.nadr=NA,
166  t.nadr=NA,
167  dose.mido=NA,
168  t.mido=NA,
169  dose.octreo=NA,
170  t.octreo=NA,
171  dose.alb.dx=NA,
172  t.alb.dx=NA,
173  dose.alb.tx=38,
174  t.alb.tx=11.4,
175  dose.alb.lvp=NA,
176  t.alb.lvp=NA,
177  dose.alb.sbp=NA,
178  t.alb.sbp=NA,
179  dose.conc.alb=20,
180  reversal=z(138,59,58,scrmg2mol(1.5)),
181  t.reversal=11,
182  survival=99.75,
183  t.survival=360),
184  data.frame(
185  group.id=1,
186  study.id=7503,
187  n=99,
188  age=56,
189  age.sd=10,
190  scr.0=scrmol2mg(248),
191  scr.0.sd=scrmol2mg(96),
192  bilirubin=NA,
193  bilirubin.sd=NA,
194  salb=2.71,
195  salb.sd=0.32,
196  scr.incr.vol=NA,
197  ascites=26,
198  sbp=NA,
199  infection=5,
200  bleed.gi=0,
201  hcc=0,
202  map=82,
203  map.sd=2,
204  hr=85.35,
205  hr.sd=9.4,
206  hbq=NA,
207  hbq.sd=NA,
208  wbc=NA,
209  wbc.sd=NA,
210  plt=NA,
211  plt.sd=NA,
212  dose.terl=pool.mean(c(5,14),c(3,1.5)),
213  t.terl=5+14,
214  dose.nadr=NA,
215  t.nadr=NA,
216  dose.mido=NA,
217  t.mido=NA,
218  dose.octreo=NA,
219  t.octreo=NA,
220  dose.alb.dx=NA,
221  t.alb.dx=NA,
222  dose.alb.tx=44,
223  t.alb.tx=5+14,
224  dose.alb.lvp=NA,
225  t.alb.lvp=NA,
226  dose.alb.sbp=NA,
227  t.alb.sbp=NA,
228  dose.conc.alb=20,
229  reversal=21,
230  t.reversal=14,
231  survival=26.10,
232  t.survival=180),
233  data.frame(
234  group.id=1,
235  study.id=7504,
236  n=99,
237  age=56,
238  age.sd=10,
239  scr.0=scrmol2mg(254),
240  scr.0.sd=scrmol2mg(99),
241  bilirubin=bilimol2mg(200),
242  bilirubin.sd=bilimol2mg(220),
243  salb=2.75,
244  salb.sd=0.73,
245  scr.incr.vol=NA,
246  ascites=99,
247  sbp=NA,
248  infection=36,
249  bleed.gi=22,
250  hcc=10,
251  map=78,
252  map.sd=20,
253  hr=80,
254  hr.sd=18,
255  hbq=NA,
256  hbq.sd=NA,
257  wbc=NA,
258  wbc.sd=NA,
259  plt=NA,
260  plt.sd=NA,
261  dose.terl=3.2,
262  t.terl=11.4,
263  dose.nadr=NA,
264  t.nadr=NA,
265  dose.mido=NA,
266  t.mido=NA,
267  dose.octreo=NA,
268  t.octreo=NA,
269  dose.alb.dx=NA,
270  t.alb.dx=NA,
271  dose.alb.tx=38,
272  t.alb.tx=11.4,
273  dose.alb.lvp=NA,
274  t.alb.lvp=NA,
275  dose.alb.sbp=NA,
276  t.alb.sbp=NA,
277  dose.conc.alb=20,
278  reversal=z(138,59,58,scrmg2mol(1.5)),
279  t.reversal=11,
280  survival=99.75,
281  t.survival=360),
282  data.frame(
283  group.id=1,
284  study.id=7503,
285  n=99,
286  age=56,
287  age.sd=10,
288  scr.0=scrmol2mg(248),
289  scr.0.sd=scrmol2mg(96),
290  bilirubin=NA,
291  bilirubin.sd=NA,
292  salb=2.71,
293  salb.sd=0.32,
294  scr.incr.vol=NA,
295  ascites=26,
296  sbp=NA,
297  infection=5,
298  bleed.gi=0,
299  hcc=0,
300  map=82,
301  map.sd=2,
302  hr=85.35,
303  hr.sd=9.4,
304  hbq=NA,
305  hbq.sd=NA,
306  wbc=NA,
307  wbc.sd=NA,
308  plt=NA,
309  plt.sd=NA,
310  dose.terl=pool.mean(c(5,14),c(3,1.5)),
311  t.terl=5+14,
312  dose.nadr=NA,
313  t.nadr=NA,
314  dose.mido=NA,
315  t.mido=NA,
316  dose.octreo=NA,
317  t.octreo=NA,
318  dose.alb.dx=NA,
319  t.alb.dx=NA,
320  dose.alb.tx=44,
321  t.alb.tx=5+14,
322  dose.alb.lvp=NA,
323  t.alb.lvp=NA,
324  dose.alb.sbp=NA,
325  t.alb.sbp=NA,
326  dose.conc.alb=20,
327  reversal=21,
328  t.reversal=14,
329  survival=26.10,
330  t.survival=180),
331  data.frame(
332  group.id=1,
333  study.id=7504,
334  n=99,
335  age=56,
336  age.sd=10,
337  scr.0=scrmol2mg(254),
338  scr.0.sd=scrmol2mg(99),
339  bilirubin=bilimol2mg(200),
340  bilirubin.sd=bilimol2mg(220),
341  salb=2.75,
342  salb.sd=0.73,
343  scr.incr.vol=NA,
344  ascites=99,
345  sbp=NA,
346  infection=36,
347  bleed.gi=22,
348  hcc=10,
349  map=78,
350  map.sd=20,
351  hr=80,
352  hr.sd=18,
353  hbq=NA,
354  hbq.sd=NA,
355  wbc=NA,
356  wbc.sd=NA,
357  plt=NA,
358  plt.sd=NA,
359  dose.terl=3.2,
360  t.terl=11.4,
361  dose.nadr=NA,
362  t.nadr=NA,
363  dose.mido=NA,
364  t.mido=NA,
365  dose.octreo=NA,
366  t.octreo=NA,
367  dose.alb.dx=NA,
368  t.alb.dx=NA,
369  dose.alb.tx=38,
370  t.alb.tx=11.4,
371  dose.alb.lvp=NA,
372  t.alb.lvp=NA,
373  dose.alb.sbp=NA,
374  t.alb.sbp=NA,
375  dose.conc.alb=20,
376  reversal=z(138,59,58,scrmg2mol(1.5)),
377  t.reversal=11,
378  survival=99.75,
379  t.survival=360),
380  data.frame(
381  group.id=1,
382  study.id=7503,
383  n=99,
384  age=56,
385  age.sd=10,
386  scr.0=scrmol2mg(248),
387  scr.0.sd=scrmol2mg(96),
388  bilirubin=NA,
389  bilirubin.sd=NA,
390  salb=2.71,
391  salb.sd=0.32,
392  scr.incr.vol=NA,
393  ascites=26,
394  sbp=NA,
395  infection=5,
396  bleed.gi=0,
397  hcc=0,
398  map=82,
399  map.sd=2,
400  hr=85.35,
401  hr.sd=9.4,
402  hbq=NA,
403  hbq.sd=NA,
404  wbc=NA,
405  wbc.sd=NA,
406  plt=NA,
407  plt.sd=NA,
408  dose.terl=pool.mean(c(5,14),c(3,1.5)),
409  t.terl=5+14,
410  dose.nadr=NA,
411  t.nadr=NA,
412  dose.mido=NA,
413  t.mido=NA,
414  dose.octreo=NA,
415  t.octreo=NA,
416  dose.alb.dx=NA,
417  t.alb.dx=NA,
418  dose.alb.tx=44,
419  t.alb.tx=5+14,
420  dose.alb.lvp=NA,
421  t.alb.lvp=NA,
422  dose.alb.sbp=NA,
423  t.alb.sbp=NA,
424  dose.conc.alb=20,
425  reversal=21,
426  t.reversal=14,
427  survival=26.10,
428  t.survival=180),
429  data.frame(
430  group.id=1,
431  study.id=7504,
432  n=99,
433  age=56,
434  age.sd=10,
435  scr.0=scrmol2mg(254),
436  scr.0.sd=scrmol2mg(99),
437  bilirubin=bilimol2mg(200),
438  bilirubin.sd=bilimol2mg(220),
439  salb=2.75,
440  salb.sd=0.73,
441  scr.incr.vol=NA,
442  ascites=99,
443  sbp=NA,
444  infection=36,
445  bleed.gi=22,
446  hcc=10,
447  map=78,
448  map.sd=20,
449  hr=80,
450  hr.sd=18,
451  hbq=NA,
452  hbq.sd=NA,
453  wbc=NA,
454  wbc.sd=NA,
455  plt=NA,
456  plt.sd=NA,
457  dose.terl=3.2,
458  t.terl=11.4,
459  dose.nadr=NA,
460  t.nadr=NA,
461  dose.mido=NA,
462  t.mido=NA,
463  dose.octreo=NA,
464  t.octreo=NA,
465  dose.alb.dx=NA,
466  t.alb.dx=NA,
467  dose.alb.tx=38,
468  t.alb.tx=11.4,
469  dose.alb.lvp=NA,
470  t.alb.lvp=NA,
471  dose.alb.sbp=NA,
472  t.alb.sbp=NA,
473  dose.conc.alb=20,
474  reversal=z(138,59,58,scrmg2mol(1.5)),
475  t.reversal=11,
476  survival=99.75,
477  t.survival=360),
478  data.frame(
479  group.id=1,
480  study.id=7503,
481  n=99,
482  age=56,
483  age.sd=10,
484  scr.0=scrmol2mg(248),
485  scr.0.sd=scrmol2mg(96),
486  bilirubin=NA,
487  bilirubin.sd=NA,
488  salb=2.71,
489  salb.sd=0.32,
490  scr.incr.vol=NA,
491  ascites=26,
492  sbp=NA,
493  infection=5,
494  bleed.gi=0,
495  hcc=0,
496  map=82,
497  map.sd=2,
498  hr=85.35,
499  hr.sd=9.4,
500  hbq=NA,
501  hbq.sd=NA,
502  wbc=NA,
503  wbc.sd=NA,
504  plt=NA,
505  plt.sd=NA,
506  dose.terl=pool.mean(c(5,14),c(3,1.5)),
507  t.terl=5+14,
508  dose.nadr=NA,
509  t.nadr=NA,
510  dose.mido=NA,
511  t.mido=NA,
512  dose.octreo=NA,
513  t.octreo=NA,
514  dose.alb.dx=NA,
515  t.alb.dx=NA,
516  dose.alb.tx=44,
517  t.alb.tx=5+14,
518  dose.alb.lvp=NA,
519  t.alb.lvp=NA,
520  dose.alb.sbp=NA,
521  t.alb.sbp=NA,
522  dose.conc.alb=20,
523  reversal=21,
524  t.reversal=14,
525  survival=26.10,
526  t.survival=180),
527  data.frame(
528  group.id=1,
529  study.id=7504,
530  n=99,
531  age=56,
532  age.sd=10,
533  scr.0=scrmol2mg(254),
534  scr.0.sd=scrmol2mg(99),
535  bilirubin=bilimol2mg(200),
536  bilirubin.sd=bilimol2mg(220),
537  salb=2.75,
538  salb.sd=0.73,
539  scr.incr.vol=NA,
540  ascites=99,
541  sbp=NA,
542  infection=36,
543  bleed.gi=22,
544  hcc=10,
545  map=78,
546  map.sd=20,
547  hr=80,
548  hr.sd=18,
549  hbq=NA,
550  hbq.sd=NA,
551  wbc=NA,
552  wbc.sd=NA,
553  plt=NA,
554  plt.sd=NA,
555  dose.terl=3.2,
556  t.terl=11.4,
557  dose.nadr=NA,
558  t.nadr=NA,
559  dose.mido=NA,
560  t.mido=NA,
561  dose.octreo=NA,
562  t.octreo=NA,
563  dose.alb.dx=NA,
564  t.alb.dx=NA,
565  dose.alb.tx=38,
566  t.alb.tx=11.4,
567  dose.alb.lvp=NA,
568  t.alb.lvp=NA,
569  dose.alb.sbp=NA,
570  t.alb.sbp=NA,
571  dose.conc.alb=20,
572  reversal=z(138,59,58,scrmg2mol(1.5)),
573  t.reversal=11,
574  survival=99.75,
575  t.survival=360),
576  data.frame(
577  group.id=1,
578  study.id=7503,
579  n=99,
580  age=56,
581  age.sd=10,
582  scr.0=scrmol2mg(248),
583  scr.0.sd=scrmol2mg(96),
584  bilirubin=NA,
585  bilirubin.sd=NA,
586  salb=2.71,
587  salb.sd=0.32,
588  scr.incr.vol=NA,
589  ascites=26,
590  sbp=NA,
591  infection=5,
592  bleed.gi=0,
593  hcc=0,
594  map=82,
595  map.sd=2,
596  hr=85.35,
597  hr.sd=9.4,
598  hbq=NA,
599  hbq.sd=NA,
600  wbc=NA,
601  wbc.sd=NA,
602  plt=NA,
603  plt.sd=NA,
604  dose.terl=pool.mean(c(5,14),c(3,1.5)),
605  t.terl=5+14,
606  dose.nadr=NA,
607  t.nadr=NA,
608  dose.mido=NA,
609  t.mido=NA,
610  dose.octreo=NA,
611  t.octreo=NA,
612  dose.alb.dx=NA,
613  t.alb.dx=NA,
614  dose.alb.tx=44,
615  t.alb.tx=5+14,
616  dose.alb.lvp=NA,
617  t.alb.lvp=NA,
618  dose.alb.sbp=NA,
619  t.alb.sbp=NA,
620  dose.conc.alb=20,
621  reversal=21,
622  t.reversal=14,
623  survival=26.10,
624  t.survival=180),
625  data.frame(
626  group.id=1,
627  study.id=7504,
628  n=99,
629  age=56,
630  age.sd=10,
631  scr.0=scrmol2mg(254),
632  scr.0.sd=scrmol2mg(99),
633  bilirubin=bilimol2mg(200),
634  bilirubin.sd=bilimol2mg(220),
635  salb=2.75,
636  salb.sd=0.73,
637  scr.incr.vol=NA,
638  ascites=99,
639  sbp=NA,
640  infection=36,
641  bleed.gi=22,
642  hcc=10,
643  map=78,
644  map.sd=20,
645  hr=80,
646  hr.sd=18,
647  hbq=NA,
648  hbq.sd=NA,
649  wbc=NA,
650  wbc.sd=NA,
651  plt=NA,
652  plt.sd=NA,
653  dose.terl=3.2,
654  t.terl=11.4,
655  dose.nadr=NA,
656  t.nadr=NA,
657  dose.mido=NA,
658  t.mido=NA,
659  dose.octreo=NA,
660  t.octreo=NA,
661  dose.alb.dx=NA,
662  t.alb.dx=NA,
663  dose.alb.tx=38,
664  t.alb.tx=11.4,
665  dose.alb.lvp=NA,
666  t.alb.lvp=NA,
667  dose.alb.sbp=NA,
668  t.alb.sbp=NA,
669  dose.conc.alb=20,
670  reversal=z(138,59,58,scrmg2mol(1.5)),
671  t.reversal=11,
672  survival=99.75,
673  t.survival=360),
674  data.frame(
675  group.id=1,
676  study.id=7503,
677  n=99,
678  age=56,
679  age.sd=10,
680  scr.0=scrmol2mg(248),
681  scr.0.sd=scrmol2mg(96),
682  bilirubin=NA,
683  bilirubin.sd=NA,
684  salb=2.71,
685  salb.sd=0.32,
686  scr.incr.vol=NA,
687  ascites=26,
688  sbp=NA,
689  infection=5,
690  bleed.gi=0,
691  hcc=0,
692  map=82,
693  map.sd=2,
694  hr=85.35,
695  hr.sd=9.4,
696  hbq=NA,
697  hbq.sd=NA,
698  wbc=NA,
699  wbc.sd=NA,
700  plt=NA,
701  plt.sd=NA,
702  dose.terl=pool.mean(c(5,14),c(3,1.5)),
703  t.terl=5+14,
704  dose.nadr=NA,
705  t.nadr=NA,
706  dose.mido=NA,
707  t.mido=NA,
708  dose.octreo=NA,
709  t.octreo=NA,
710  dose.alb.dx=NA,
711  t.alb.dx=NA,
712  dose.alb.tx=44,
713  t.alb.tx=5+14,
714  dose.alb.lvp=NA,
715  t.alb.lvp=NA,
716  dose.alb.sbp=NA,
717  t.alb.sbp=NA,
718  dose.conc.alb=20,
719  reversal=21,
720  t.reversal=14,
721  survival=26.10,
722  t.survival=180),
723  data.frame(
724  group.id=1,
725  study.id=7504,
726  n=99,
727  age=56,
728  age.sd=10,
729  scr.0=scrmol2mg(254),
730  scr.0.sd=scrmol2mg(99),
731  bilirubin=bilimol2mg(200),
732  bilirubin.sd=bilimol2mg(220),
733  salb=2.75,
734  salb.sd=0.73,
735  scr.incr.vol=NA,
736  ascites=99,
737  sbp=NA,
738  infection=36,
739  bleed.gi=22,
740  hcc=10,
741  map=78,
742  map.sd=20,
743  hr=80,
744  hr.sd=18,
745  hbq=NA,
746  hbq.sd=NA,
747  wbc=NA,
748  wbc.sd=NA,
749  plt=NA,
750  plt.sd=NA,
751  dose.terl=3.2,
752  t.terl=11.4,
753  dose.nadr=NA,
754  t.nadr=NA,
755  dose.mido=NA,
756  t.mido=NA,
757  dose.octreo=NA,
758  t.octreo=NA,
759  dose.alb.dx=NA,
760  t.alb.dx=NA,
761  dose.alb.tx=38,
762  t.alb.tx=11.4,
763  dose.alb.lvp=NA,
764  t.alb.lvp=NA,
765  dose.alb.sbp=NA,
766  t.alb.sbp=NA,
767  dose.conc.alb=20,
768  reversal=z(138,59,58,scrmg2mol(1.5)),
769  t.reversal=11,
770  survival=99.75,
771  t.survival=360),
772  data.frame(
773  group.id=1,
774  study.id=7503,
775  n=99,
776  age=56,
777  age.sd=10,
778  scr.0=scrmol2mg(248),
779  scr.0.sd=scrmol2mg(96),
780  bilirubin=NA,
781  bilirubin.sd=NA,
782  salb=2.71,
783  salb.sd=0.32,
784  scr.incr.vol=NA,
785  ascites=26,
786  sbp=NA,
787  infection=5,
788  bleed.gi=0,
789  hcc=0,
790  map=82,
791  map.sd=2,
792  hr=85.35,
793  hr.sd=9.4,
794  hbq=NA,
795  hbq.sd=NA,
796  wbc=NA,
797  wbc.sd=NA,
798  plt=NA,
799  plt.sd=NA,
800  dose.terl=pool.mean(c(5,14),c(3,1.5)),
801  t.terl=5+14,
802  dose.nadr=NA,
803  t.nadr=NA,
804  dose.mido=NA,
805  t.mido=NA,
806  dose.octreo=NA,
807  t.octreo=NA,
808  dose.alb.dx=NA,
809  t.alb.dx=NA,
810  dose.alb.tx=44,
811  t.alb.tx=5+14,
812  dose.alb.lvp=NA,
813  t.alb.lvp=NA,
814  dose.alb.sbp=NA,
815  t.alb.sbp=NA,
816  dose.conc.alb=20,
817  reversal=21,
818  t.reversal=14,
819  survival=26.10,
820  t.survival=180),
821  data.frame(
822  group.id=1,
823  study.id=7504,
824  n=99,
825  age=56,
826  age.sd=10,
827  scr.0=scrmol2mg(254),
828  scr.0.sd=scrmol2mg(99),
829  bilirubin=bilimol2mg(200),
830  bilirubin.sd=bilimol2mg(220),
831  salb=2.75,
832  salb.sd=0.73,
833  scr.incr.vol=NA,
834  ascites=99,
835  sbp=NA,
836  infection=36,
837  bleed.gi=22,
838  hcc=10,
839  map=78,
840  map.sd=20,
841  hr=80,
842  hr.sd=18,
843  hbq=NA,
844  hbq.sd=NA,
845  wbc=NA,
846  wbc.sd=NA,
847  plt=NA,
848  plt.sd=NA,
849  dose.terl=3.2,
850  t.terl=11.4,
851  dose.nadr=NA,
852  t.nadr=NA,
853  dose.mido=NA,
854  t.mido=NA,
855  dose.octreo=NA,
856  t.octreo=NA,
857  dose.alb.dx=NA,
858  t.alb.dx=NA,
859  dose.alb.tx=38,
860  t.alb.tx=11.4,
861  dose.alb.lvp=NA,
862  t.alb.lvp=NA,
863  dose.alb.sbp=NA,
864  t.alb.sbp=NA,
865  dose.conc.alb=20,
866  reversal=z(138,59,58,scrmg2mol(1.5)),
867  t.reversal=11,
868  survival=99.75,
869  t.survival=360),
870  data.frame(
871  group.id=1,
872  study.id=7503,
873  n=99,
874  age=56,
875  age.sd=10,
876  scr.0=scrmol2mg(248),
877  scr.0.sd=scrmol2mg(96),
878  bilirubin=NA,
879  bilirubin.sd=NA,
880  salb=2.71,
881  salb.sd=0.32,
882  scr.incr.vol=NA,
883  ascites=26,
884  sbp=NA,
885  infection=5,
886  bleed.gi=0,
887  hcc=0,
888  map=82,
889  map.sd=2,
890  hr=85.35,
891  hr.sd=9.4,
892  hbq=NA,
893  hbq.sd=NA,
894  wbc=NA,
895  wbc.sd=NA,
896  plt=NA,
897  plt.sd=NA,
898  dose.terl=pool.mean(c(5,14),c(3,1.5)),
899  t.terl=5+14,
900  dose.nadr=NA,
901  t.nadr=NA,
902  dose.mido=NA,
903  t.mido=NA,
904  dose.octreo=NA,
905  t.octreo=NA,
906  dose.alb.dx=NA,
907  t.alb.dx=NA,
908  dose.alb.tx=44,
909  t.alb.tx=5+14,
910  dose.alb.lvp=NA,
911  t.alb.lvp=NA,
912  dose.alb.sbp=NA,
913  t.alb.sbp=NA,
914  dose.conc.alb=20,
915  reversal=21,
916  t.reversal=14,
917  survival=26.10,
918  t.survival=180),
919  data.frame(
920  group.id=1,
921  study.id=7504,
922  n=99,
923  age=56,
924  age.sd=10,
925  scr.0=scrmol2mg(254),
926  scr.0.sd=scrmol2mg(99),
927  bilirubin=bilimol2mg(200),
928  bilirubin.sd=bilimol2mg(220),
929  salb=2.75,
930  salb.sd=0.73,
931  scr.incr.vol=NA,
932  ascites=99,
933  sbp=NA,
934  infection=36,
935  bleed.gi=22,
936  hcc=10,
937  map=78,
938  map.sd=20,
939  hr=80,
940  hr.sd=18,
941  hbq=NA,
942  hbq.sd=NA,
943  wbc=NA,
944  wbc.sd=NA,
945  plt=NA,
946  plt.sd=NA,
947  dose.terl=3.2,
948  t.terl=11.4,
949  dose.nadr=NA,
950  t.nadr=NA,
951  dose.mido=NA,
952  t.mido=NA,
953  dose.octreo=NA,
954  t.octreo=NA,
955  dose.alb.dx=NA,
956  t.alb.dx=NA,
957  dose.alb.tx=38,
958  t.alb.tx=11.4,
959  dose.alb.lvp=NA,
960  t.alb.lvp=NA,
961  dose.alb.sbp=NA,
962  t.alb.sbp=NA,
963  dose.conc.alb=20,
964  reversal=z(138,59,58,scrmg2mol(1.5)),
965  t.reversal=11,
966  survival=99.75,
967  t.survival=360),
968  data.frame(
969  group.id=1,
970  study.id=7503,
971  n=99,
972  age=56,
973  age.sd=10,
974  scr.0=scrmol2mg(248),
975  scr.0.sd=scrmol2mg(96),
976  bilirubin=NA,
977  bilirubin.sd=NA,
978  salb=2.71,
979  salb.sd=0.32,
980  scr.incr.vol=NA,
981  ascites=26,
982  sb
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1 n=16,
2 age=60.4,
3 age.sd=9.8,
4 scr.0=scrmol2mg(286),
5 scr.0.sd=scrmol2mg(112),
6 bilirubin=bilimol2mg(196),
7 bilirubin.sd=bilimol2mg(186),
8 salb=2.6,
9 salb.sd=0.7,
10 scr.incr.vol=NA,
11 ascites=NA,
12 sbp=NA,
13 infection=NA,
14 bleed.gi=NA,
15 hcc=0,
16 map=bp2map(123,62),
17 map.sd=bp2map(15,14),
18 hr=NA,
19 hr.sd=NA,
20 hbq=NA,
21 hbq.sd=NA,
22 wbc=NA,
23 wbc.sd=NA,
24 plt=NA,
25 plt.sd=NA,
26 dose.terl=4,
27 t.terl=7,
28 dose.nadr=NA,
29 t.nadr=NA,
30 dose.mido=NA,
31 t.mido=NA,
32 dose.octreo=NA,
33 t.octreo=NA,
34 dose.alb.dx=NA,
35 t.alb.dx=NA,
36 dose.alb.tx=0,
37 t.alb.tx=0,
38 dose.alb.lvp=NA,
39 t.alb.lvp=NA,
40 dose.alb.sbp=NA,
41 t.alb.sbp=NA,
42 conc.alb=NA,
43 reversal=6,
44 t.reversal=5,
45 survival=1,
46 t.survival=1080,
47
48 data.frame(
49 group.id=1,
50 study.id=7380,
51 n=13,
52 age=pool.mean(c(8,5),c(51.5,58.6)),
53 age.sd=pool.sd(c(8.5),c(5.3*sqrt(8),6.9*sqrt(5))),
54 scr.0=pool.mean(c(8,5),c(3.0,3.9)),
55 scr.0.sd=pool.sd(c(8.5),c(1.7*sqrt(8),1.5*sqrt(5))),
56 bilirubin=NA,
57 bilirubin.sd=NA,
58 salb=NA,
59 salb.sd=NA,
60 scr.incr.vol=NA,
61 ascites=NA,
62 sbp=NA,
63 infection=1,
64 bleed.gi=2,
65 hcc=NA,
66 map=pool.mean(c(8,5),c(70.1,68.8)),
67 map.sd=pool.sd(c(8.5),c(9.1*sqrt(8),6.5*sqrt(5))),
68 hr=NA,
69 hr.sd=NA,
70 hbq=NA,
71 hbq.sd=NA,
72 wbc=NA,
73 wbc.sd=NA,
74 plt=NA,
75 plt.sd=NA,
76 dose.terl=pool.mean(c(8,5),c(55.6/12.5,20.2/5)),
77 t.terl=pool.mean(c(8,5),c(12.5,5)),
78 dose.nadr=NA,
79 t.nadr=NA,
80 dose.mido=NA,
81 t.mido=NA,
82 dose.octreo=NA,
83 t.octreo=NA,
84 dose.alb.dx=mean(c(30,80)),
85 t.alb.dx=1.5,
86 dose.alb.tx=pool.mean(c(8,5),c(57.5,68)),
87 t.alb.tx=pool.mean(c(8,5),c(12.5,5)),
88 dose.alb.lvp=NA,
89 t.alb.lvp=NA,
90 dose.alb.sbp=NA,
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1 t.alb.sbp=NA,
2 conc.alb=NA,
3 reversal=z(1.7,0.8*sqrt(8),8),
4 t.reversal=9,
5 survival=3,
6 t.survival=450),
7 data.frame(
8 group.id=1,
9 study.id=7506,
n=6,
age=54,
age.sd=(75-42)/3,
scr.0=3.9,
scr.0.sd=0.7*sqrt(9),
bilirubin=14,
bilirubin.sd=6*sqrt(9),
salb=3.2,
salb.sd=0.2*sqrt(9),
scr.incr.vol=NA,
ascites=6,
sbp=NA,
infection=NA,
bleed.gi=NA,
hcc=NA,
map=68,
map.sd=2*sqrt(9),
hr=81,
hr.sd=4*sqrt(9),
hbga=NA,
hbga.sd=NA,
wbc=NA,
wbc.sd=NA,
plt=NA,
plt.sd=NA,
dose.terl=2.8,
t.terl=6.3,
dose.nadr=NA,
t.nadr=NA,
dose.mido=NA,
t.mido=NA,
dose.octreo=NA,
t.octreo=NA,
dose.alb.dx=NA,
t.alb.dx=NA,
dose.alb.tx=25.7,
t.alb.tx=6.3,
dose.alb.lvp=NA,
t.alb.lvp=NA,
dose.alb.sbp=NA,
t.alb.sbp=NA,
conc.alb=NA,
reversal=6,
t.reversal=15,
survival=1,
t.survival=84),
32
33 data.frame(
34 group.id=1,
35 study.id=7492,
36 n=30-6,
37 age=mean(baseline.7492[baseline.7492$hrs.typ=="I", "age"]),
38 age.sd=sd(baseline.7492[baseline.7492$hrs.typ=="I", "age"]),
39 scr.0=NA,
scr.0.sd=NA,
bilirubin=NA,
bilirubin.sd=NA,
salb=NA,
salb.sd=NA,
scr.incr.vol=NA,
ascites=NA,
sbp=NA,
infection=NA,
bleed.gi=NA,
hcc=NA,
map=NA,
map.sd=NA,
hr=NA,
hr.sd=NA,
hbga=NA,
hbga.sd=NA,
wbc=NA,
wbc.sd=NA,
plt=NA,
plt.sd=NA,
dose.terl=pool.mean(c(1,10.6-1),c(70,30)),
t.alb.tx=10.6,
dose.alb.lvp=NA,
t.alb.lvp=NA,
dose.alb.sbp=NA,
t.alb.sbp=NA,
conc.alb=20,
reversal=5,
t.reversal=15,
survival=NA,
t.survival=NA),
#For reversal Fig. 1, SCR>2.4 (see text, p. 45)
50
51 data.frame(
52 group.id=1,
53 study.id=8255,
54 n=8,
55 age=59.1,
56 age.sd=11.8,
57 scr.0=3.01,
58 scr.0.sd=0.76,
59 bilirubin=9.4,
60 bilirubin.sd=7.6,
salb=2.5,
salb.sd=0.4,
scr.incr.vol=NA,
ascites=8,
sbp=NA,
infection=4,
bleed.gi=1,
hcc=0,
map=74,
map.sd=14,
hr=94,
hr.sd=8,
hbga=NA,
hbga.sd=NA,
wbc=NA,
wbc.sd=NA,
plt=NA,
plt.sd=NA,
dose.terl=2.8,
t.terl=6.3,
dose.nadr=NA,
t.nadr=NA,
dose.mido=NA,
t.mido=NA,
dose.octreo=NA,
t.octreo=NA,
dose.alb.dx=NA,
t.alb.dx=NA,
dose.alb.tx=25.7,
t.alb.tx=6.3,
dose.alb.lvp=NA,
t.alb.lvp=NA,
dose.alb.sbp=NA,
t.alb.sbp=NA,
conc.alb=NA,
reversal=6,
t.reversal=15,
survival=1,
t.survival=84),

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1   dose.mido=NA,
2   t.mido=NA,
3   dose.octreo=NA,
4   t.octreo=NA,
5   dose.alb.dx=NA,
6   t.alb.dx=NA,
7   dose.alb.tx=pool.mean(c(25,13),c(28.5,24.6)),
8   t.alb.tx=pool.mean(c(25,13),c(6.5,8.3)),
9   dose.alb.lvp=NA,
10  t.alb.lvp=NA,
11  dose.alb.sbp=NA,
12  t.alb.sbp=NA,
13  conc.alb=NA,
14  reversal=30-6-9,
15  t.reversal=20,
16  survival=17,
17  t.survival=NA),
18
19  data.frame(
20  group.id=1,
21  study.id=8351,
22  n=30,
23  age=NA,
24  age.sd=NA,
25  scr.0=3.01,
26  scr.0.sd=1.255,
27  bilirubin=3.40,
28  bilirubin.sd=2.092,
29  salb=2.45,
30  salb.sd=0.673,
31  scr.incr.vol=NA,
32  ascites=NA,
33  sbp=NA,
34  infection=NA,
35  bleed.gi=NA,
36  hcc=NA,
37  map=bp2map(92.3,55.3),
38  map.sd=bp2map(19.77,14.79),
39  hr=NA,
40  hr.sd=NA,
41  hbg=NA,
42  hbg.sd=NA,
43  wbc=NA,
44  wbc.sd=NA,
45  plt=NA,
46  plt.sd=NA,
47  dose.terl=1.5,
48  t.terl=7,
49  dose.nadr=NA,
50  t.nadr=NA,
51  dose.mido=NA,
52  t.mido=NA,
53  dose.octreo=NA,
54  t.octreo=NA,
55  dose.alb.dx=NA,
56  t.alb.dx=NA,
57  dose.alb.tx=12.5,
58  t.alb.tx=7,
59  dose.alb.lvp=NA,
60  t.alb.lvp=NA,
61  dose.alb.sbp=NA,
62  t.alb.sbp=NA,
63  conc.alb=NA,
64  reversal=round(30*pnorm((1.5-1.34)/0.554)),
65  t.reversal=7,
66  survival=30-6,
67  t.survival=NA),
68
69  data.frame(
70  group.id=2,
71  study.id=7497,
72  n=4,
73  age=56,
74  age.sd=3*sqrt(10),
75  scr.0=2.3,
76  scr.0.sd=0.2*sqrt(10),
77  bilirubin=4.1,
78  bilirubin.sd=1*sqrt(10),
79  salb=3,
80  salb.sd=0.2*sqrt(10),
81  scr.incr.vol=NA,
82  ascites=NA,
83  sbp=NA,
84  infection=NA,
85  bleed.gi=NA,
86  hcc=NA,
87  map=71,
88  map.sd=2*sqrt(10),
89  hr=NA,
90  hr.sd=NA,
```

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1   hbg=NA,
2   hbg.sd=NA,
3   wbc=NA,
4   wbc.sd=NA,
5   plt=NA,
6   plt.sd=NA,
7   dose.terl=NA,
8   t.terl=NA,
9   dose.nadr=0.3*60*60*24/1000,
10  t.nadr=pool.mean(c(3,1),c(5,14)),
11  dose.mido=NA,
12  t.mido=NA,
13  dose.octreo=NA,
14  t.octreo=NA,
15  dose.alb.dx=NA,
16  t.alb.dx=NA,
17  dose.alb.tx=56,
18  t.alb.tx=pool.mean(c(3,1),c(5,14)),
19  dose.alb.lvp=NA,
20  t.alb.lvp=NA,
21  dose.alb.sbp=NA,
22  t.alb.sbp=NA,
23  conc.alb=20,
24  reversal=3,
25  t.reversal=pool.mean(c(3,1),c(5,14)),
26  survival=4-2,
27  t.survival=180),
28
29  data.frame(
30  group.id=1,
31  study.id=7496,
32  n=20,
33  age=47.8,
34  age.sd=9.8,
35  scr.0=3.0,
36  scr.0.sd=0.5,
37  bilirubin=7.6,
38  bilirubin.sd=(40.0-0.7)/4,
39  salb=2.6,
40  salb.sd=0.6,
41  scr.incr.vol=NA,
42  ascites=NA,
43  sbp=NA,
44  infection=NA,
45  bleed.gi=NA,
46  hcc=NA,
47  map=81.4,
48  map.sd=11.4,
49  hr=NA,
50  hr.sd=NA,
51  hbg=NA,
52  hbg.sd=NA,
53  wbc=NA,
54  wbc.sd=NA,
55  plt=NA,
56  plt.sd=NA,
57  dose.terl=5.8,
58  t.terl=8.1,
59  dose.nadr=NA,
60  t.nadr=NA,
61  dose.mido=NA,
62  t.mido=NA,
63  dose.octreo=NA,
64  t.octreo=NA,
65  dose.alb.dx=60,
66  t.alb.dx=2,
67  dose.alb.tx=30,
68  t.alb.tx=7.8,
69  dose.alb.lvp=NA,
70  t.alb.lvp=NA,
71  dose.alb.sbp=NA,
72  t.alb.sbp=NA,
73  conc.alb=20,
74  reversal=10,
75  t.reversal=15,
76  survival=11,
77  t.survival=30),
78
79  data.frame(
80  group.id=2,
81  study.id=7496,
82  n=20,
83  age=48.2,
84  age.sd=13.4,
85  scr.0=3.3,
86  scr.0.sd=1.3,
87  bilirubin=5.2,
88  bilirubin.sd=(28.0-1.0)/4,
89  salb=2.4,
90  salb.sd=0.4,
91  scr.incr.vol=NA,
92  ascites=NA,
93  sbp=NA,
94  infection=NA,
95  bleed.gi=NA,
96  hcc=NA,
97  map=78.2,
98  map.sd=5.3,
99  hr=NA,
100  hr.sd=NA,
101  hbg=NA,
102  hbg.sd=NA,
103  wbc=NA,
104  wbc.sd=NA,
105  plt=NA,
106  plt.sd=NA,
107  dose.terl=NA,
108  t.terl=NA,
109  dose.nadr=1*24,
110  t.nadr=7.8,
111  dose.mido=NA,
112  t.mido=NA,
113  dose.octreo=NA,
114  t.octreo=NA,
115  dose.alb.dx=60,
116  t.alb.dx=2,
117  dose.alb.tx=30,
118  t.alb.tx=7.8,
119  dose.alb.lvp=NA,
120  t.alb.lvp=NA,
121  dose.alb.sbp=NA,
122  t.alb.sbp=NA,
123  conc.alb=20,
124  reversal=10,
125  t.reversal=15,
126  survival=11,
127  t.survival=30),
128
129  data.frame(
130  group.id=1,
131  study.id=8454,
132  n=23,
133  age=51.4,
134  age.sd=11.6,
135  scr.0=3.27,
136  scr.0.sd=0.71,
137  bilirubin=3.99,
138  bilirubin.sd=2.58,
139  salb=2.78,
140  salb.sd=0.40,
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6   hcc=NA,
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8   map.sd=11.9,
9   hr=NA,
10  hr.sd=NA,
11  hbg=NA,
12  hbg.sd=NA,
13  wbc=NA,
14  wbc.sd=NA,
15  plt=NA,
16  plt.sd=NA,
17  dose.terl=3.13,
18  t.terl=7.82,
19  dose.nadr=NA,
20  t.nadr=NA,
21  dose.mido=NA,
22  t.mido=NA,
23  dose.octreo=NA,
24  t.octreo=NA,
25  dose.alb.dx=NA,
26  t.alb.dx=NA,
27  dose.alb.tx=20,
28  t.alb.tx=7.82,
29  dose.alb.lvp=NA,
30  t.alb.lvp=NA,
31  dose.alb.sbp=NA,
32  t.alb.sbp=NA,
33  conc.alb=NA,
34  reversal=9,
35  t.reversal=15,
36  survival=7,
37  t.survival=30),
38
39 data.frame(
40 group.id=1,
41 study.id=8444,
42 n=12,
43 age=54.5,
44 age.sd=(75-40)/3,
45 scr.0=scr$mol2mg(mean(c(130.9,176.4,196.0,199.6,204.2,
46 221.4,246.9,265.5,274.2,278.3,338.8,381.9))),
47 scr.0.sd=scr$mol2mg(sd(c(130.9,176.4,196.0,199.6,204.2,
48 221.4,246.9,265.5,274.2,278.3,338.8,381.9))),
49 bilirubin=NA,
50 bilirubin.sd=NA,
51 salb=NA,
52 salb.sd=NA,
53 scr.incr.vol=NA,
54 ascites=12,
55 sbp=NA,
56 infection=4,
57 bleed.gi=NA,
58 hcc=NA,
59 map=NA,
60 map.sd=23,
61 hr=NA,
62 hr.sd=NA,
63 hbg=NA,
64 hbg.sd=NA,
65 wbc=NA,
66 wbc.sd=NA,
67 plt=NA,
68 plt.sd=NA,
69 dose.terl=mean(c(2,6)),
70 t.terl=mean(c(2,4,4,8,9,10)),
71 dose.nadr=NA,
72 t.nadr=NA,
73 dose.mido=NA,
74 t.mido=NA,
75 dose.octreo=NA,
76 t.octreo=NA,
77 dose.alb.dx=NA,
78 t.alb.dx=NA,
79 dose.alb.tx=0,
80 t.alb.tx=0,
81 dose.alb.lvp=NA,
82 t.alb.lvp=NA,
83 dose.alb.sbp=NA,
84 t.alb.sbp=NA,
85 conc.alb=NA,
86 reversal=10,
87 t.reversal=15,
88 survival=8,
89 t.survival=30),
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91 data.frame(
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100 bilirubin.sd=5.72,
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115 wbc=NA,
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117 plt=NA,
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120 t.terl=NA,
121 dose.nadr=0.59*24,
122 t.nadr=9.3,
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155 t.nadr=9.3,
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164 scr.0.sd=0.66,
165 bilirubin=4.66,
166 bilirubin.sd=5.72,
167 salb=2.78,
168 salb.sd=0.20,
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188 t.nadr=9.3,
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631 scr.incr.vol=NA,
632 ascites=23,
633 sbp=NA,
634 infection=6,
635 bleed.gi=NA,
636 hcc=NA,
637 map=65.2,
638 map.sd=10.2,
639 hr=NA,
640 hr.sd=NA,
641 hbg=NA,
642 hbg.sd=NA,
643 wbc=NA,
644 wbc.sd=NA,
645 plt=NA,
646 plt.sd=NA,
647 dose.terl=NA,
648 t.terl=NA,
649 dose.nadr=0.59*24,
650 t.nadr=9.3,
651
652 data.frame(
653 group.id=2,
654 study.id=8454,
655 n=23,
656 age=48.3,
657 age.sd=11.6,
658 scr.0=3.10,
659 scr.0.sd=0.66,
660 bilirubin=4.66,
661 bilirubin.sd=5.72,
662 salb=2.78,
663 salb.sd=0.20,
664 scr.incr.vol=NA,
665 ascites=23,
666 sbp=NA,
667 infection=6,
668 bleed.gi=NA,
669 hcc=NA,
670 map=65.2,
671 map.sd=10.2,
672 hr=NA,
673 hr.sd=NA,
674 hbg=NA,
675 hbg.sd=NA,
676 wbc=NA,
677 wbc.sd=NA,
678 plt=NA,
679 plt.sd=NA,
680 dose.terl=NA,
681 t.terl=NA,
682 dose.nadr=0.59*24,
683 t.nadr=9.3,
684
685 data.frame(
686 group.id=2,
687 study.id=8454,
688 n=23,
689 age=48.3,
690 age.sd=11.6,
691 scr.0=3.10,
692 scr.0.sd=0.66,
693 bilirubin=4.66,
694 bilirubin.sd=5.72,
695 salb=2.78,
696 salb.sd=0.20,
697 scr.incr.vol=NA,
698 ascites=23,
699 sbp=NA,
700 infection=6,
701 bleed.gi=NA,
702 hcc=NA,
703 map=65.2,
704 map.sd=10.2,
705 hr=NA,
706 hr.sd=NA,
707 hbg=NA,
708 hbg.sd=NA,
709 wbc=NA,
710 wbc.sd=NA,
711 plt=NA,
712 plt.sd=NA,
713 dose.terl=NA,
714 t.terl=NA,
715 dose.nadr=0.59*24,
716 t.nadr=9.3,
717
718 data.frame(
719 group.id=2,
720 study.id=8454,
721 n=23,
722 age=48.3,
723 age.sd=11.6,
724 scr.0=3.10,
725 scr.0.sd=0.66,
726 bilirubin=4.66,
727 bilirubin.sd=5.72,
728 salb=2.78,
729 salb.sd=0.20,
730 scr.incr.vol=NA,
731 ascites=23,
732 sbp=NA,
733 infection=6,
734 bleed.gi=NA,
735 hcc=NA,
736 map=65.2,
737 map.sd=10.2,
738 hr=NA,
739 hr.sd=NA,
740 hbg=NA,
741 hbg.sd=NA,
742 wbc=NA,
743 wbc.sd=NA,
744 plt=NA,
745 plt.sd=NA,
746 dose.terl=NA,
747 t.terl=NA,
748 dose.nadr=0.59*24,
749 t.nadr=9.3,
750
751 data.frame(
752 group.id=2,
753 study.id=8454,
754 n=23,
755 age=48.3,
756 age.sd=11.6,
757 scr.0=3.10,
758 scr.0.sd=0.66,
759 bilirubin=4.66,
760 bilirubin.sd=5.72,
761 salb=2.78,
762 salb.sd=0.20,
763 scr.incr.vol=NA,
764 ascites=23,
765 sbp=NA,
766 infection=6,
767 bleed.gi=NA,
768 hcc=NA,
769 map=65.2,
770 map.sd=10.2,
771 hr=NA,
772 hr.sd=NA,
773 hbg=NA,
774 hbg.sd=NA,
775 wbc=NA,
776 wbc.sd=NA,
777 plt=NA,
778 plt.sd=NA,
779 dose.terl=NA,
780 t.terl=NA,
781 dose.nadr=0.59*24,
782 t.nadr=9.3,
783
784 data.frame(
785 group.id=2,
786 study.id=8454,
787 n=23,
788 age=48.3,
789 age.sd=11.6,
790 scr.0=3.10,
791 scr.0.sd=0.66,
792 bilirubin=4.66,
793 bilirubin.sd=5.72,
794 salb=2.78,
795 salb.sd=0.20,
796 scr.incr.vol=NA,
797 ascites=23,
798 sbp=NA,
799 infection=6,
800 bleed.gi=NA,
801 hcc=NA,
802 map=65.2,
803 map.sd=10.2,
804 hr=NA,
805 hr.sd=NA,
806 hbg=NA,
807 hbg.sd=NA,
808 wbc=NA,
809 wbc.sd=NA,
810 plt=NA,
811 plt.sd=NA,
812 dose.terl=NA,
813 t.terl=NA,
814 dose.nadr=0.59*24,
815 t.nadr=9.3,
816
817 data.frame(
818 group.id=2,
819 study.id=8454,
820 n=23,
821 age=48.3,
822 age.sd=11.6,
823 scr.0=3.10,
824 scr.0.sd=0.66,
825 bilirubin=4.66,
826 bilirubin.sd=5.72,
827 salb=2.78,
828 salb.sd=0.20,
829 scr.incr.vol=NA,
830 ascites=23,
831 sbp=NA,
832 infection=6,
833 bleed.gi=NA,
834 hcc=NA,
835 map=65.2,
836 map.sd=10.2,
837 hr=NA,
838 hr.sd=NA,
839 hbg=NA,
840 hbg.sd=NA,
841 wbc=NA,
842 wbc.sd=NA,
843 plt=NA,
844 plt.sd=NA,
845 dose.terl=NA,
846 t.terl=NA,
847 dose.nadr=0.59*24,
848 t.nadr=9.3,
849
850 data.frame(
851 group.id=2,
852 study.id=8454,
853 n=23,
854 age=48.3,
855 age.sd=11.6,
856 scr.0=3.10,
857 scr.0.sd=0.66,
858 bilirubin=4.66,
859 bilirubin.sd=5.72,
860 salb=2.78,
861 salb.sd=0.20,
862 scr.incr.vol=NA,
863 ascites=23,
864 sbp=NA,
865 infection=6,
866 bleed.gi=NA,
867 hcc=NA,
868 map=65.2,
869 map.sd=10.2,
870 hr=NA,
871 hr.sd=NA,
872 hbg=NA,
873 hbg.sd=NA,
874 wbc=NA,
875 wbc.sd=NA,
876 plt=NA,
877 plt.sd=NA,
878 dose.terl=NA,
879 t.terl=NA,
880 dose.nadr=0.59*24,
881 t.nadr=9.3,
882
883 data.frame(
884 group.id=2,
885 study.id=8454,
886 n=23,
887 age=48.3,
888 age.sd=11.6,
889 scr.0=3.10,
890 scr.0.sd=0.66,
891 bilirubin=4.66,
892 bilirubin.sd=5.72,
893 salb=2.78,
894 salb.sd=0.20,
895 scr.incr.vol=NA,
896 ascites=23,
897 sbp=NA,
898 infection=6,
899 bleed.gi=NA,
900 hcc=NA,
901 map=65.2,
902 map.sd=10.2,
903 hr=NA,
904 hr.sd=NA,
905 hbg=NA,
906 hbg.sd=NA,
907 wbc=NA,
908 wbc.sd=NA,
909 plt=NA,
910 plt.sd=NA,
911 dose.terl=NA,
912 t.terl=NA,
913 dose.nadr=0.59*24,
914 t.nadr=9.3,
915
916 data.frame(
917 group.id=2,
918 study.id=8454,
919 n=23,
920 age=48.3,
921 age.sd=11.6,
922 scr.0=3.10,
923 scr.0.sd=0.66,
924 bilirubin=4.66,
925 bilirubin.sd=5.72,
926 salb=2.78,
927 salb.sd=0.20,
928 scr.incr.vol=NA,
929 ascites=23,
930 sbp=NA,
931 infection=6,
932 bleed.gi=NA,
933 hcc=NA,
934 map=65.2,
935 map.sd=10.2,
936 hr=NA,
937 hr.sd=NA,
938 hbg=NA,
939 hbg.sd=NA,
940 wbc=NA,
941 wbc.sd=NA,
942 plt=NA,
943 plt.sd=NA,
944 dose.terl=NA,
945 t.terl=NA,
946 dose.nadr=0.59*24,
947 t.nadr=9.3,
948
949 data.frame(
950 group.id=2,
951 study.id=8454,
952 n=23,
953 age=48.3,
954 age.sd=11.6,
955 scr.0=3.10,
956 scr.0.sd=0.66,
957 bilirubin=4.66,
958 bilirubin.sd=5.72,
959 salb=2.78,
960 salb.sd=0.20,
961 scr.incr.vol=NA,
962 ascites=23,
963 sbp=NA,
964 infection=6,
965 bleed.gi=NA,
966 hcc=NA,
967 map=65.2,
968 map.sd=10.2,
969 hr=NA,
970 hr.sd=NA,
971 hbg=NA,
972 hbg.sd=NA,
973 wbc=NA,
974 wbc.sd=NA,
975 plt=NA,
976 plt.sd=NA,
977 dose.terl=NA,
978 t.terl=NA,
979 dose.nadr=0.59*24,
980 t.nadr=9.3,
981
982 data.frame(
983 group.id=2,
984 study.id=8454,
985 n=23,
986 age=48.3,
987 age.sd=11.6,
988 scr.0=3.10,
989 scr.0.sd=0.66,
990 bilirubin=4.66,
991 bilirubin.sd=5.72,
992 salb=2.78,
993 salb.sd=0.20,
994 scr.incr.vol=NA,
995 ascites=23,
996 sbp=NA,
997 infection=6,
998 bleed.gi=NA,
999 hcc=NA,
1000 map=65.2,
1001 map.sd=10.2,
1002 hr=NA,
1003 hr.sd=NA,
1004 hbg=NA,
1005 hbg.sd=NA,
1006 wbc=NA,
1007 wbc.sd=NA,
1008 plt=NA,
1009 plt.sd=NA,
1010 dose.terl=NA,
1011 t.terl=NA,
1012 dose.nadr=0.59*24,
1013 t.nadr=9.3,
1014
1015 data.frame(
1016 group.id=2,
1017 study.id=8454,
1018 n=23,
1019 age=48.3,
1020 age.sd=11.6,
1021 scr.0=3.10,
1022 scr.0.sd=0.66,
1023 bilirubin=4.66,
1024 bilirubin.sd=5.72,
1025 salb=2.78,
1026 salb.sd=0.20,
1027 scr.incr.vol=NA,
1028 ascites=23,
1029 sbp=NA,
1030 infection=6,
1031 bleed.gi=NA,
1032 hcc=NA,
1033 map=65.2,
1034 map.sd=10.2,
1035 hr=NA,
1036 hr.sd=NA,
1037 hbg=NA,
1038 hbg.sd=NA,
1039 wbc=NA,
1040 wbc.sd=NA,
1041 plt=NA,
1042 plt.sd=NA,
1043 dose.terl=NA,
1044 t.terl=NA,
1045 dose.nadr=0.59*24,
1046 t.nadr=9.3,
1047
1048 data.frame(
1049 group.id=2,
1050 study.id=8454,
1051 n=23,
1052 age=48.3,
1053 age.sd=11.6,
1054 scr.0=3.10,
1055 scr.0.sd=0.66,
1056 bilirubin=4.66,
1057 bilirubin.sd=5.72,
1058 salb=2.78,
1059 salb.sd=0.20,
1060 scr.incr.vol=NA,
1061 ascites=23,
1062 sbp=NA,
1063 infection=6,
1064 bleed.gi=NA,
1065 hcc=NA,
1066 map=65.2,
1067 map.sd=10.2,
1068 hr=NA,
1069 hr.sd=NA,
1070 hbg=NA,
1071 hbg.sd=NA,
1072 wbc=NA,
1073 wbc.sd=NA,
1074 plt=NA,
1075 plt.sd=NA,
1076 dose.terl=NA,
1077 t.terl=NA,
1078 dose.nadr=0.59*24,
1079 t.nadr=9.3,
1080
1081 data.frame(
1082 group.id=2,
1083 study.id=8454,
1084 n=23,
1085 age=48.3,
1086 age.sd=11.6,
1087 scr.0=3.10,
1088 scr.0.sd=0.66,
1089 bilirubin=4.66,
1090 bilirubin.sd=5.72,
1091 salb=2.78,
1092 salb.sd=0.20,
1093 scr.incr.vol=NA,
1094 ascites=23,
1095 sbp=NA,
1096 infection=6,
1097 bleed.gi=NA,
1098 hcc=NA,
1099 map=65.2,
1100 map.sd=10.2,
1101 hr=NA,
1102 hr.sd=NA,
1103 hbg=NA,
1104 hbg.sd=NA,
1105 wbc=NA,
1106 wbc.sd=NA,
1107 plt=NA,
1108 plt.sd=NA,
1109 dose.terl=NA,
1110 t.terl=NA,
1111 dose.nadr=0.59*24,
1112 t.nadr=9.3,
1113
1114 data.frame(
1115 group.id=2,
1116 study.id=8454,
1117 n=23,
1118 age=48.3,
1119 age.sd=11.6,
1120 scr.0=3.10,
1121 scr.0.sd=0.66,
1122 bilirubin=4.66,
1123 bilirubin.sd=5.72,
1124 salb=2.78,
1125 salb.sd=0.20,
1126 scr.incr.vol=NA,
1127 ascites=23,
1128 sbp=NA,
1129 infection=6,
1130 bleed.gi=NA,
1131 hcc=NA,
1132 map=65.2,
1133 map.sd=10.2,
1134 hr=NA,
1135 hr.sd=NA,
1136 hbg=NA,
1137 hbg.sd=NA,
1138 wbc=NA,
1139 wbc.sd=NA,
1140 plt=NA,
1141 plt.sd=NA,
1142 dose.terl=NA,
1143 t.terl=NA,
114
```

```

1 data.frame(
2   group.id=1,
3   study.id=7539,
4   n=41,
5   age=NA,
6   age.sd=NA,
7   scr.0=NA,
8   scr.0.sd=NA,
9   bilirubin=NA,
10  bilirubin.sd=NA,
11  salb=NA,
12  salb.sd=NA,
13  scr.incr.vol=NA,
14  ascites=NA,
15  sbp=NA,
16  infection=20,
17  bleed.gi=NA,
18  hcc=NA,
19  map=NA,
20  map.sd=NA,
21  hr=NA,
22  hr.sd=NA,
23  hbg=NA,
24  hbg.sd=NA,
25  wbc=NA,
26  wbc.sd=NA,
27  plt=NA,
28  plt.sd=NA,
29  dose.terl=1.5*6,
30  t.terl=7,
31  dose.nadr=NA,
32  t.nadr=NA,
33  dose.mido=NA,
34  t.mido=NA,
35  dose.octreo=NA,
36  t.octreo=NA,
37  dose.alb.dx=NA,
38  t.alb.dx=NA,
39  dose.alb.tx=mean(c(70,rep(30,6))), 
40  t.alb.tx=7,
41  dose.alb.lvp=NA,
42  t.alb.lvp=NA,
43  dose.alb.sbp=NA,
44  t.alb.sbp=NA,
45  conc.alb=NA,
46  reversal=22,
47  t.reversal=NA,
48  survival=round(0.55*20)+round(0.24*21),
49  t.survival=90), 

50 data.frame(
51   group.id=1,
52   study.id=7542,
53   n=60,
54   age=46.6,
55   age.sd=NA,
56   scr.0=2.1,
57   scr.0.sd=NA,
58   bilirubin=15.2,
59   bilirubin.sd=NA,
60   salb=1.9,
61   salb.sd=NA,
62   scr.incr.vol=NA,
63   ascites=round(0.95*60),
64   sbp=NA,
65   infection=round(0.22*60),
66   bleed.gi=round(0.48*60),
67   hcc=NA,
68   map=NA,
69   map.sd=NA,
70   hr=NA,
71   hr.sd=NA,
72   hbg=NA,
73   hbg.sd=NA,
74   wbc=NA,
75   wbc.sd=NA,
76   plt=123,
77   plt.sd=NA,
78   dose.terl=NA,
79   t.terl=NA,
80   dose.nadr=NA,
81   t.nadr=NA,
82   dose.mido=8.8*3,
83   t.mido=8.4,
84   dose.octreo=0.142*3,
85   t.octreo=8.4,
86   dose.alb.dx=NA,
87   t.alb.dx=NA,
88   dose.alb.tx=43.8,
89   t.alb.tx=8.4,
90   dose.alb.lvp=NA,
91   t.alb.lvp=NA,
92   dose.alb.sbp=NA,
93   t.alb.sbp=NA,
94   conc.alb=NA,
95   reversal=NA,
96   t.reversal=30,
97   survival=round(0.44*49),
98   t.survival=90), 

99 data.frame(
100  group.id=1,
101  study.id=7462,
102  n=49,
103  age=52.73,
104  age.sd=10.56,
105  scr.0=2.50,
106  scr.0.sd=1.26,
107  bilirubin=NA,
108  bilirubin.sd=NA,
109  salb=NA,
110  salb.sd=NA,
111  scr.incr.vol=NA,
112  ascites=round(49*97/102),
113  sbp=NA,
114  infection=round(49*27/102),
115  bleed.gi=NA,
116  hcc=NA,
117  map=NA,
118  map.sd=NA,
119  dose.terl=NA,
120  t.terl=NA,
121  dose.nadr=NA,
122  t.nadr=NA,
123  dose.mido=3*pool.mean(c(3,28,9,11,8),seq(5,15,by=2.5)),
124  t.mido=16.8,
125  dose.octreo=3*pool.mean(c(23,35),c(100,200)),
126  t.octreo=16.8,
127  dose.alb.dx=60,
128  t.alb.dx=2,
129  dose.alb.tx=0,
130  t.alb.tx=0,
131  dose.alb.lvp=NA,
132  t.alb.lvp=NA,
133  dose.alb.sbp=NA,
134  t.alb.sbp=NA,
135  conc.alb=NA,
136  reversal=NA,
137  t.reversal=30,
138  survival=round(0.55*20)+round(0.24*21),
139  t.survival=90),
140 
```

```

1   dose.alb.lvp=NA,
2   t.alb.lvp=NA,
3   dose.alb.sbp=NA,
4   t.alb.sbp=NA,
5   conc.alb=NA,
6   reversal=24,
7   t.reversal=30,
8   survival=60-26,
9   t.survival=30),
10
11 data.frame(
12   group.id=1,
13   study.id=9168,
14   n=6,
15   age=52,
16   age.sd=12.95,
17   scr.0=2.64,
18   scr.0.sd=0.71,
19   bilirubin=7.95,
20   bilirubin.sd=7.76,
21   salb=2.67,
22   salb.sd=0.20,
23   scr.incr.vol=NA,
24   ascites=NA,
25   sbp=NA,
26   infection=0,
27   bleed.gi=NA,
28   hcc=0,
29   map=73.36,
30   map.sd=6.68,
31   hr=89.09,
32   hr.sd=13.04,
33   hbg=NA,
34   hbg.sd=NA,
35   wbc=NA,
36   wbc.sd=NA,
37   plt=NA,
38   plt.sd=NA,
39   dose.terl=NA,
40   t.terl=NA,
41   dose.nadr=0.1*56.18*60*24/1000,
42   t.nadr=18,
43   dose.mido=NA,
44   t.mido=NA,
45   dose.octreo=NA,
46   t.octreo=NA,
47   dose.alb.dx=NA,
48   t.alb.dx=NA,
49   dose.alb.tx=mean(c(20,60)),
50   t.alb.tx=18,
51   dose.alb.lvp=NA,
52   t.alb.lvp=NA,
53   dose.alb.sbp=NA,
54   t.alb.sbp=NA,
55   conc.alb=20,
56   reversal=3,
57   t.reversal=NA,
58   survival=2,
59   t.survival=90),
60
61 data.frame(
62   group.id=1,
63   study.id=7543,
64   n=5,
65   age=62,
66   age.sd=round(3*sqrt(5),1),
67   scr.0=5.0,
68   scr.0.sd=round(0.9*sqrt(5),1),
69   bilirubin=4.3,
70   bilirubin.sd=round(1.3*sqrt(5),1),
71   salb=3.0,
72   salb.sd=round(0.1*sqrt(5),1),
73   scr.incr.vol=5,
74   ascites=5,
75   sbp=0,
76   infection=0,
77   bleed.gi=0,
78   hcc=0,
79   map=75.9,
80   map.sd=round(3.0*sqrt(5),1),
81   hr=84,
82   hr.sd=round(6*sqrt(5)),
83   hbg=NA,
84   hbg.sd=NA,
85   wbc=NA,
86   wbc.sd=NA,
87   plt=NA,
88   plt.sd=NA,
89   dose.terl=NA,
90   t.terl=NA,
91
92 data.frame(
93   group.id=2,
94   study.id=9168,
95   n=9,
96   age=52.9,
97   age.sd=12.61,
98   scr.0=2.58,
99   scr.0.sd=0.83,
100  bilirubin=11.61,
101  bilirubin.sd=12.21,
102
103 data.frame(
104   group.id=2,
105   study.id=7543,
106   n=5,
107   age=62,
108   age.sd=round(3*sqrt(5),1),
109   scr.0=5.0,
110   scr.0.sd=round(0.9*sqrt(5),1),
111   bilirubin=4.3,
112   bilirubin.sd=round(1.3*sqrt(5),1),
113   salb=3.0,
114   salb.sd=round(0.1*sqrt(5),1),
115   scr.incr.vol=5,
116   ascites=5,
117   sbp=0,
118   infection=0,
119   bleed.gi=0,
120   hcc=0,
121   map=75.9,
122   map.sd=round(3.0*sqrt(5),1),
123   hr=84,
124   hr.sd=round(6*sqrt(5)),
125   hbg=NA,
126   hbg.sd=NA,
127   wbc=NA,
128   wbc.sd=NA,
129   plt=NA,
130   plt.sd=NA,
131   dose.terl=NA,
132   t.terl=NA,
133
134 data.frame(
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136   study.id=9168,
137   n=9,
138   age=52.9,
139   age.sd=12.61,
140   scr.0=2.58,
141   scr.0.sd=0.83,
142   bilirubin=11.61,
143   bilirubin.sd=12.21,
144
145 data.frame(
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148   n=5,
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151   scr.0=5.0,
152   scr.0.sd=round(0.9*sqrt(5),1),
153   bilirubin=4.3,
154   bilirubin.sd=round(1.3*sqrt(5),1),
155   salb=3.0,
156   salb.sd=round(0.1*sqrt(5),1),
157   scr.incr.vol=5,
158   ascites=5,
159   sbp=0,
160   infection=0,
161   bleed.gi=0,
162   hcc=0,
163   map=75.9,
164   map.sd=round(3.0*sqrt(5),1),
165   hr=84,
166   hr.sd=round(6*sqrt(5)),
167   hbg=NA,
168   hbg.sd=NA,
169   wbc=NA,
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182   scr.0=2.58,
183   scr.0.sd=0.83,
184   bilirubin=11.61,
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202   infection=0,
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309   scr.0.sd=0.83,
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349   age.sd=12.61,
350   scr.0=2.58,
351   scr.0.sd=0.83,
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355 data.frame(
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362   scr.0.sd=round(0.9*sqrt(5),1),
363   bilirubin=4.3,
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405   bilirubin=4.3,
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440   group.id=2,
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477   scr.0.sd=0.83,
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481 data.frame(
482   group.id=2,
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859 data.frame(
860   group.id=2,
861   study.id=7543,
862   n=5,
863   age=62,
864   age.sd=round(3*sqrt(5),1),
865   scr.0=5.0,
866   scr.0.sd=round(0.9*sqrt(5),1),
867   bilirubin=4.3,
868   bilirubin.sd=round(1.3*sqrt(5),1),
869   salb=3.0,
870   salb.sd=round(0.1*sqrt(5),1),
871   scr.incr.vol=5,
872   ascites=5,
873   sbp=0,
874   infection=0,
875   bleed.gi=0,
876   hcc=0,
877   map=75.9,
878   map.sd=round(3.0*sqrt(5),1),
879   hr=84,
880   hr.sd=round(6*sqrt(5)),
881   hbg=NA,
882   hbg.sd=NA,
883   wbc=NA,
884   wbc.sd=NA,
885   plt=NA,
886   plt.sd=NA,
887   dose.terl=NA,
888   t.terl=NA,
889
890 data.frame(
891   group.id=2,
892   study.id=9168,
893   n=9,
894   age=52.9,
895   age.sd=12.61,
896   scr.0=2.58,
897   scr.0.sd=0.83,
898   bilirubin=11.61,
899   bilirubin.sd=12.21,
900
901 data.frame(
902   group.id=2,
903   study.id=7543,
904   n=5,
905   age=62,
906   age.sd=round(3*sqrt(5),1),
907   scr.0=5.0,
908   scr.0.sd=round(0.9*sqrt(5),1),
909   bilirubin=4.3,
910   bilirubin.sd=round(1.3*sqrt(5),1),
911   salb=3.0,
912   salb.sd=round(0.1*sqrt(5),1),
913   scr.incr.vol=5,
914   ascites=5,
915   sbp=0,
916   infection=0,
917   bleed.gi=0,
918   hcc=0,
919   map=75.9,
920   map.sd=round(3.0*sqrt(5),1),
921   hr=84,
922   hr.sd=round(6*sqrt(5)),
923   hbg=NA,
924   hbg.sd=NA,
925   wbc=NA,
926   wbc.sd=NA,
927   plt=NA,
928   plt.sd=NA,
929   dose.terl=NA,
930   t.terl=NA,
931
932 data.frame(
933   group.id=2,
934   study.id=9168,
935   n=9,
936   age=52.9,
937   age.sd=12.61,
938   scr.0=2.58,
939   scr.0.sd=0.83,
940   bilirubin=11.61,
941   bilirubin.sd=12.21,
942
943 data.frame(
944   group.id=2,
945   study.id=7543,
946   n=5,
947   age=62,
948   age.sd=round(3*sqrt(5),1),
949   scr.0=5.0,
950   scr.0.sd=round(0.9*sqrt(5),1),
951   bilirubin=4.3,
952   bilirubin.sd=round(1.3*sqrt(5),1),
953   salb=3.0,
954   salb.sd=round(0.1*sqrt(5),1),
955   scr.incr.vol=5,
956   ascites=5,
957   sbp=0,
958   infection=0,
959   bleed.gi=0,
960   hcc=0,
961   map=75.9,
962   map.sd=round(3.0*sqrt(5),1),
963   hr=84,
964   hr.sd=round(6*sqrt(5)),
965   hbg=NA,
966   hbg.sd=NA,
967   wbc=NA,
968   wbc.sd=NA,
969   plt=NA,
970   plt.sd=NA,
971   dose.terl=NA,
972   t.terl=NA,
973
974 data.frame(
975   group.id=2,
976   study.id=9168,
977   n=9,
978   age=52.9,
979   age.sd=12.61,
980   scr.0=2.58,
981   scr.0.sd=0.83,
982   bilirubin=11.61,
983   bilirubin.sd=12.21,
984
985 data.frame(
986   group.id=2,
987   study.id=7543,
988   n=5,
989   age=62,
990   age.sd=round(3*sqrt(5),1),
991   scr.0=5.0,
992   scr.0.sd=round(0.9*sqrt(5),1),
993   bilirubin=4.3,
994   bilirubin.sd=round(1.3*sqrt(5),1),
995   salb=3.0,
996   salb.sd=round(0.1*sqrt(5),1),
997   scr.incr.vol=5,
998   ascites=5,

```

```

1   dose.nadr=NA,
2   t.nadr=NA,
3   dose.mido=pool.mean(c(2,3),3*c(7.5,12.5)),
4   t.mido=20,
5   dose.octreo=pool.mean(c(2,3),3*c(0.1,0.2)),
6   t.octreo=20,
7   dose.alb.dx=40,
8   t.alb.dx=4,
9   dose.alb.tx=mean(c(10,20)),
10  t.alb.tx=20,
11  dose.alb.lvp=2*3*8/5,
12  t.alb.lvp=1,
13  dose.alb.sbp=NA,
14  t.alb.sbp=NA,
15  conc.alb=20,
16  reversal=0,
17  t.reversal=20,
18  survival=4,
19  t.survival=30,
20
21  data.frame(
22    group.id=1,
23    study.id=7518,
24    n=14,
25    age=pool.mean(c(14,4),c(55.9,52.7)),
26    age.sd=pool.sd(c(14,4),c(2.3,5.0)*sqrt(c(10,4))),
27    scr.O=pool.mean(c(14,4),scrmo12mg(c(233,345))),
28    scr.O.sd=pool.sd(c(14,4),scrmo12mg(c(29,83)*sqrt(c(10,4)))),
29    bilirubin=pool.mean(c(14,4),bilimol2mg(c(45,71))),
30    bilirubin.sd=
31      pool.sd(c(14,4),bilimol2mg(c(8,16)*sqrt(c(10,4))),
32      salb=pool.mean(c(14,4),c(3.2,3.3)),
33      salb.sd=pool.sd(c(14,4),c(0.3,0.5)*sqrt(c(10,4))),
34      scr.incr.vol=NA,
35      ascites=14,
36      sbp=3,
37      infection=2,
38      bleed.gi=2,
39      hcc=NA,
40      map=pool.mean(c(14,4),c(81,79)),
41      map.sd=pool.sd(c(14,4),c(5,4)*sqrt(c(10,4))),
42      hr=pool.mean(c(14,4),c(75,91)),
43      hr.sd=pool.sd(c(14,4),c(5,3)*sqrt(c(10,4))),
44      hbgs=pool.mean(c(14,4),c(9.4,9.7)),
45      hbgs.sd=pool.sd(c(14,4),c(0.4,0.4)*sqrt(c(10,4))),
46      wbc=NA,
47      wbc.sd=NA,
48      plt=pool.mean(c(14,4),c(102,78)),
49      plt.sd=pool.sd(c(14,4),c(19,22)*sqrt(c(10,4))),
50      dose.terl=NA,
51      t.terl=NA,
52      dose.nadr=NA,
53      t.nadr=NA,
54      dose.mido=2.5,
55      t.mido=14,
56      dose.octreo=0.025*24,
57      t.octreo=14,
58      dose.alb.dx=50,
59      t.alb.dx=5,
60      dose.alb.tx=50,
61      t.alb.tx=14,
62      dose.alb.lvp=NA,
63      t.alb.lvp=NA,
64      dose.alb.sbp=NA,
65      t.alb.sbp=NA,
66      conc.alb=NA,
67      reversal=10,
68      t.reversal=14,
69      survival=14-7,
70      t.survival=90),
71
72  data.frame(
73    group.id=1,
74    study.id=8143,
75    n=40,
76    age=62,
77    age.sd=1.2*sqrt(40),
78    scr.O=3.17,
79    scr.O.sd=0.19*sqrt(40),
80    bilirubin=15.1,
81    bilirubin.sd=1.6*sqrt(40),
82    salb=2.8,
83    salb.sd=0.06*sqrt(40),
84    scr.incr.vol=NA,
85    ascites=round(40*0.96),
86    sbp=NA,
87    infection=round(40*(0.15+0.237)),
88    bleed.gi=round(40*0.132),
89    hcc=NA,
90    map=80.4,
91    map.sd=1.3*sqrt(40),
92    hr=76,
93    hr.sd=1.3*sqrt(40),
94    hbgs=10.5,
95    hbgs.sd=0.2*sqrt(40),
96    wbc=11394,
97    wbc.sd=848*sqrt(40),
98    plt=120,
99    plt.sd=7.4*sqrt(40),
100   dose.terl=pool.mean(c(20,20),c(0.5*5,12)),
101   t.terl=8.7,
102   dose.nadr=NA,
103   t.nadr=NA,
104   dose.mido=NA,
105   t.mido=NA,
106   dose.octreo=NA,
107   t.octreo=NA,
108   dose.alb.dx=mean(c(70,100)),
109   t.alb.dx=2,
110   dose.alb.tx=27,
111   t.alb.tx=8.7,
112   dose.alb.lvp=NA,
113   t.alb.lvp=NA,
114   dose.alb.sbp=NA,
115   t.alb.sbp=NA,
116   conc.alb=NA,
117   reversal=round(40*0.3),
118   t.reversal=14,
119   survival=NA,
120   t.survival=NA),
121
122  data.frame(
123    group.id=2,
124    study.id=8143,
125    n=24,
126    age=62,
127    age.sd=1.2*sqrt(24),
128    scr.O=3.17,
129    scr.O.sd=0.19*sqrt(24),
130    bilirubin=15.1,
131    bilirubin.sd=1.6*sqrt(24),
132    salb=2.8,
133    salb.sd=0.06*sqrt(24),
134    scr.incr.vol=NA,
135    ascites=round(24*0.96),
136    sbp=NA,
137    infection=round(24*(0.15+0.237)),
138    bleed.gi=round(24*0.132),
139    hcc=NA,
140    map=80.4,
141    map.sd=1.3*sqrt(24),
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160

```

```

1 hr=76,
2 hr.sd=1.3*sqrt(24),
3 hbg=10.5,
4 hbg.sd=0.2*sqrt(24),
5 wbc=11394,
6 wbc.sd=848*sqrt(24),
7 plt=120,
8 plt.sd=7.4*sqrt(24),
9 dose.terl=NA,
10 t.terl=NA,
11 dose.nadr=NA,
12 t.nadr=NA,
13 dose.mido=pool.mean(c(22,2),c(22.5,37.5)),
14 t.mido=8.7,
15 dose.octreo=pool.mean(c(22,2),c(0.3,0.6)),
16 t.octreo=8.7,
17 dose.alb.dx=mean(c(70,100)),
18 t.alb.dx=2,
19 dose.alb.tx=27,
20 t.alb.tx=8.7,
21 dose.alb.lvp=NA,
22 t.alb.lvp=NA,
23 dose.alb.sbp=NA,
24 t.alb.sbp=NA,
25 conc.alb=NA,
26 reversal=round(24*0.3),
27 t.reversal=NA,
28 survival=NA,
29 t.survival=NA))

group <- do.call(rbind,group)

# Intermediate computations

group$dose.alb.tot <-
  ifelse(is.na(group$dose.alb.dx),
         group$dose.alb.tx,
         (group$t.alb.dx*group$dose.alb.dx+
          group$t.alb.tx*group$dose.alb.tx)/
          (group$t.alb.dx+group$t.alb.tx))

group$t.alb.tot <-
  ifelse(is.na(group$t.alb.dx),
         group$t.alb.tx,
         group$t.alb.dx+group$t.alb.tx)

group$dose.alb.cum <-
  group$t.alb.tx*group$dose.alb.tx

study <-
  study[!study$study.id%in%group[group$dose.alb.cum==0,"study
  .id"],]

row.names(study) <- NULL

group <- group[group$dose.alb.cum>0,]

study <- merge(study,
  data.frame(
    study.id=as.numeric(unlist(dimnames(
      tapply(group$n,group$study.id,sum)))),
    N=tapply(group$n,group$study.id,sum)))

study <- study[order(study$year,study$author),]

row.names(study) <- NULL

group$terl.z <-
  (group$dose.terl*group$t.terl-
   mean(group$dose.terl*group$t.terl,na.rm=TRUE))/sd(group$dose.terl*group$t.terl,na.rm=TRUE)

group$mido.z <-
  (group$dose.mido*group$t.mido-
   mean(group$dose.mido*group$t.mido,na.rm=TRUE))/sd(group$dose.mido*group$t.mido,na.rm=TRUE)

group$octreo.z <-
  (group$dose.octreo*group$t.octreo-
   mean(group$dose.octreo*group$t.octreo,na.rm=TRUE))/sd(group$dose.octreo*group$t.octreo,na.rm=TRUE)

group$nadz.z <-
  (group$dose.nadr*group$t.nadr-
   mean(group$dose.nadr*group$t.nadr,na.rm=TRUE))/sd(group$dose.nadr*group$t.nadr,na.rm=TRUE)

group$vaso.z <- (group$mido.z+group$octreo.z)/2

group[!is.na(group$dose.terl),"vaso.z"] <-
  group[!is.na(group$dose.terl),"terl.z"]

group[!is.na(group$dose.nadr),"vaso.z"] <-
  group[!is.na(group$dose.nadr),"nadz.z"]

group$drug <-
  factor(ifelse(!is.na(group$dose.terl),
               "terlipressin",
               ifelse(!is.na(group$dose.nadr),
                     "noradrenaline","midodrine/octreotide")),
         levels=c("terlipressin","midodrine/octreotide","noradr
         enaline"))

group$t.tx <-
  ifelse(!is.na(group$t.terl),group$t.terl,
         ifelse(!is.na(group$t.mido),group$t.mido,group$t.nadr))

group <- merge(group,
  study[,c("study.id","design","N","year","author")])

group$study.group <- 1:nrow(group)

row.names(group) <- NULL

# Mortality data

mortality <- list()

data.frame(
  group.id=1,
  study.id=7496,
  t=6,
  died=1,
  count=3),

data.frame(
  group.id=1,
  study.id=7496,
  t=9,
  died=1,
  count=1),

data.frame(
  group.id=1,
  study.id=7496,
  t=10,
  died=1,
  count=1),

data.frame(

```

```

1  group.id=1,
2  study.id=7496,
3  t=11,
4  died=1,
5  count=1),
6
7  data.frame(
8  group.id=1,
9  study.id=7496,
10 t=12,
11 died=1,
12 count=1),
13
14 data.frame(
15 group.id=1,
16 study.id=7496,
17 t=13,
18 died=1,
19 count=2),
20
21 data.frame(
22 group.id=1,
23 study.id=7496,
24 t=c(13,17,19,21,25,30),
25 died=rep(0,6),
26 count=c(3,1,1,1,1,4)),
27
28 data.frame(
29 group.id=2,
30 study.id=7496,
31 t=c(5,6,7,9,10,12,15,21,30),
32 died=c(rep(1,6),0,0,0),
33 count=c(1,3,2,1,1,1,2,2,7)),
34
35 data.frame(
36 group.id=1,
37 study.id=8454,
38 t=4,
39 died=1,
40 count=2),
41
42 data.frame(
43 group.id=1,
44 study.id=8454,
45 t=4,
46 died=0,
47 count=1),
48
49 data.frame(
50 group.id=1,
51 study.id=8454,
52 t=7,
53 died=1,
54 count=4),
55
56 data.frame(
57 group.id=1,
58 study.id=8454,
59 t=8,
60 died=1,
61 count=1),
62
63 data.frame(
64 group.id=1,
65 study.id=8454,
66 t=11,
67 died=1,
68 count=2),
69
70 data.frame(
71 group.id=1,
72 study.id=8454,
73 t=17,
74 died=1,
75 count=1),
76
77 data.frame(
78 group.id=1,
79 study.id=8454,
80 t=18,
81 died=1,
82 count=1),
83
84 data.frame(
85 group.id=1,
86 study.id=8454,
87 t=19,
88 died=0,
89 count=7),
90
91 data.frame(
92 group.id=2,
93 study.id=8454,
94 t=c(3,5,6,7,9,10,15,17,18,19),
95 died=c(rep(1,9),0),
96 count=c(1,2,2,3,1,1,2,1,2,8)),
97
98 data.frame(
99 group.id=1,
100 study.id=7541,
101 t=3,
102 died=1,
103 count=1),
104
105 data.frame(
106 group.id=1,
107 study.id=7541,
108 t=5,
109 died=1,
110 count=1),
111
112 data.frame(
113 group.id=1,
114 study.id=7541,
115 t=9,
116 died=1,
117 count=1),
118
119 data.frame(
120 group.id=1,
121 study.id=7541,
122 t=10,
123 died=1,
124 count=1),
125
126 data.frame(
127 group.id=1,
128 study.id=7541,
129 t=13,
130 died=1,
131 count=1),
132
133 data.frame(
134

```

```

1  group.id=1,
2  study.id=7541,
3  t=14,
4  died=1,
5  count=1),
6
7  data.frame(
8  group.id=1,
9  study.id=7541,
10 t=15,
11 died=1,
12 count=1),
13
14 data.frame(
15 group.id=1,
16 study.id=7541,
17 t=18,
18 died=1,
19 count=1),
20
21 data.frame(
22 group.id=1,
23 study.id=7541,
24 t=30,
25 died=1,
26 count=1),
27
28 data.frame(
29 group.id=1,
30 study.id=7541,
31 t=33,
32 died=1,
33 count=2),
34
35 data.frame(
36 group.id=1,
37 study.id=7541,
38 t=34,
39 died=1,
40 count=1),
41
42 data.frame(
43 group.id=1,
44 study.id=7541,
45 t=37,
46 died=1,
47 count=2),
48
49 data.frame(
50 group.id=1,
51 study.id=7541,
52 t=29,
53 died=0,
54 count=1),
55
56 data.frame(
57 group.id=1,
58 study.id=7541,
59 t=370,
60 died=0,
61 count=1),
62
63 data.frame(
64 group.id=1,
65 study.id=7462,
66 t=7,
67 died=1,
68 count=4),
69
70 data.frame(
71 group.id=1,
72 study.id=7462,
73 t=14,
74 died=1,
75 count=1),
76
77 data.frame(
78 group.id=1,
79 study.id=7462,
80 t=14,
81 died=0,
82 count=3),
83
84 data.frame(
85 group.id=1,
86 study.id=7462,
87 t=21,
88 died=1,
89 count=6),
90
91 data.frame(
92 group.id=1,
93 study.id=7462,
94 t=21,
95 died=0,
96 count=5),
97
98 data.frame(
99 group.id=1,
100 study.id=7462,
101 t=28,
102 died=1,
103 count=3),
104
105 data.frame(
106 group.id=1,
107 study.id=7462,
108 t=28,
109 died=0,
110 count=2),
111
112 data.frame(
113 group.id=1,
114 study.id=7462,
115 t=35,
116 died=1,
117 count=3),
118
119 data.frame(
120 group.id=1,
121 study.id=7462,
122 t=35,
123 died=0,
124 count=4),
125
126 data.frame(
127 group.id=1,
128 study.id=7462,
129 t=42,
130 died=1,
131 count=4),
132
133 data.frame(
134

```

```

1 group.id=1,
2 study.id=7462,
3 t=48,
4 died=0,
5 count=1),
6
7 data.frame(
8 group.id=1,
9 study.id=7462,
10 t=70,
11 died=1,
12 count=1),
13
14 data.frame(
15 group.id=1,
16 study.id=7462,
17 t=77,
18 died=0,
19 count=2),
20
21 data.frame(
22 group.id=1,
23 study.id=7462,
24 t=91,
25 died=0,
26 count=10),
27
28 data.frame(
29 group.id=1,
30 study.id=6602,
31 t=c(2,3,4,5,6,8,9,14,15,17,18,19,
32 22,23,26,27,34,38,44,45,98,104,114,
33 154,158,163,170,178:192,205,208,
34 211,272,289),
35 died=c(rep(1,23),rep(0,24)),
36 count=c(5,2,2,1,2,2,rep(1,5),2,rep(1,11+24))),
37
38 data.frame(
39 group.id=1,
40 study.id=6739,
41 t=c(15,15-1,30,30-1,60,60-1,90,90-1,180,180-1,180+1),
42 died=c(1,0,1,0,1,0,1,0,1,0,0),
43 count=c(3,3,3,2,1,1,2,3,1,3,4)),
44
45 data.frame(
46 group.id=1,
47 study.id=7504,
48 t=c(2,4,6,8,9,10,11,12,13,15,16,18,20,
49 22,24,25,27,29,30,31,32,34,39,40,42,
50 43,62,68,83,86,98,113,
51 24,25,27,33,42,49,52,60,63,76,103,
52 118,180,360),
53 died=c(rep(1,32),rep(0,14)),
54 count=c(3,6,1,3,5,4,3,7,5,5,5,2,5,2,1,2,
55 rep(1,16+13),11)),
56
57 data.frame(
58 group.id=1,
59 study.id=7505,
60 t=c(15,29,31,34,34,36,37,42,45,95,111),
61 died=c(rep(1,4),0,0,rep(1,4),0),
62 count=c(rep(1,7),2,rep(1,3))),
63
64 data.frame(
65 group.id=1,
66 study.id=7380,
67 t=c(14,15*30,10*30,30,60,360,6,12,4,8,12,16,20),
68 died=c(0,1,0,1,1,0,rep(1,7)),
69 count=rep(1,13)),
70
71 data.frame(
72 group.id=1,
73 study.id=8255,
74 t=c(2,23,27,34,36,40,84),
75 died=c(rep(1,6),0),
76 count=c(rep(1,5),2,1)),
77
78 data.frame(
79 group.id=1,
80 study.id=7497,
81 t=c(1,3,10,20,51),
82 died=c(1,0,0,0,0),
83 count=1),
84
85 data.frame(
86 group.id=2,
87 study.id=7497,
88 t=c(16,80,10,20),
89 died=c(1,1,0,0),
90 count=1),
91
92 data.frame(
93 group.id=1,
94 study.id=7543,
95 t=c(44,472,75,80,29),
96 died=c(0,0,1,0,1),
97 count=1),
98
99 data.frame(
100 group.id=1,
101 study.id=7518,
102 t=c(16,14,28,30,90,90,14,30,45,60),
103 died=c(0,rep(0,2),rep(1,7)),
104 count=c(5,rep(1,9))),
105
106 mortality <- do.call(rbind,mortality)
107
108 mortality <- as.data.frame(lapply(mortality,
109 function(x) rep(x,mortality$count)))
110
111 mortality <- merge(mortality,group[,c("group.id","study.id","study.group","n","dose.alb.tx","t.alb.tx","dose.alb.cum","vaso.z","drug","t.tx","age","scr.0","bilirubin","salb","map","design","N","year","author")])
112
113 # Predictor data
114
115 predictor <- list(
116
117   data.frame(
118     study.id=7503,
119     var="age",
120     responder.n=13,
121     responder=62,
122     responder.sd=10,
123     nonresponder.n=5,
124     nonresponder=57,
125     nonresponder.sd=7,
126     signif=FALSE),
127
128   data.frame(
129     study.id=7503,
130     var="scr",
131     responder.n=13,
132     responder=scr$mol2mg(298),
133     responder.sd=scr$mol2mg(124),
134     nonresponder.n=5,
135     nonresponder=scr$mol2mg(257),
136     nonresponder.sd=scr$mol2mg(78),
137
138   )
139
140 )

```

```

1   signif=FALSE),
2
3   data.frame(
4     study.id=7503,
5     var="bilirubin",
6     responder.n=13,
7     responder=bilimol2mg(155),
8     responder.sd=bilimol2mg(176),
9     nonresponder.n=5,
10    nonresponder=bilimol2mg(307),
11    nonresponder.sd=bilimol2mg(182),
12    signif=FALSE),
13
14   data.frame(
15     study.id=7503,
16     var="salb",
17     responder.n=13,
18     responder=2.6,
19     responder.sd=0.8,
20     nonresponder.n=5,
21     nonresponder=2.7,
22     nonresponder.sd=0.5,
23     signif=FALSE),
24
25   data.frame(
26     study.id=7503,
27     var="map",
28     responder.n=13,
29     responder=bp2map(124,64),
30     responder.sd=bp2map(16,14),
31     nonresponder.n=5,
32     nonresponder=bp2map(119,55),
33     nonresponder.sd=bp2map(13,13),
34     signif=FALSE),
35
36   data.frame(
37     study.id=7504,
38     var="age",
39     responder.n=53,
40     responder=53,
41     responder.sd=10,
42     nonresponder.n=38,
43     nonresponder=60,
44     nonresponder.sd=10,
45     signif=TRUE),
46
47   data.frame(
48     study.id=7504,
49     var="scr",
50     responder.n=53,
51     responder=scrmol2mg(263),
52     responder.sd=scrmol2mg(100),
53     nonresponder.n=38,
54     nonresponder=scrmol2mg(245),
55     nonresponder.sd=scrmol2mg(80),
56     signif=FALSE),
57
58   data.frame(
59     study.id=7518,
60     var="age",
61     responder.n=10,
62     responder=55.9,
63     responder.sd=2.3*sqrt(10),
64     nonresponder.n=4,
65     nonresponder=52.7,
66     nonresponder.sd=5.0*sqrt(4),
67     signif=FALSE),
68
69   data.frame(
70     study.id=7518,
71     var="scr",
72     responder.n=10,
73     responder=6.2,
74     responder.sd=(36.0-0.8)/3.5,
75     signif=FALSE),
76
77   data.frame(
78     study.id=7518,
79     var="bilirubin",
80     responder.n=10,
81     responder=3.2,
82     responder.sd=3*sqrt(10),
83     nonresponder.n=4,
84     nonresponder=3.3,
85     nonresponder.sd=5*sqrt(4),
86     signif=FALSE),
87
88   data.frame(
89     study.id=7518,
90     var="map",
91     responder.n=10,
92     responder=81,
93     responder.sd=5*sqrt(10),
94     nonresponder.n=4,
95     nonresponder=79,
96     nonresponder.sd=4*sqrt(4),
97     signif=FALSE),
98
99   data.frame(
100    study.id=7496,
101    var="age",
102    responder.n=20,
103    responder=47.0,
104    responder.sd=12.0,
105    nonresponder.n=20,
106    nonresponder=49.0,
107    nonresponder.sd=11.4,
108    signif=FALSE),
109
110  data.frame(
111    study.id=7496,
112    var="scr",
113    responder.n=20,
114    responder=3.0,
115    responder.sd=1.0,
116    nonresponder.n=20,
117    nonresponder=3.3,
118    nonresponder.sd=0.9,
119    signif=FALSE),
120
121  data.frame(
122    study.id=7496,
123    var="bilirubin",
124    responder.n=20,
125    responder=6.2,
126    responder.sd=(36.0-0.8)/3.5,
127    signif=FALSE),
128
129  data.frame(
130    study.id=7496,
131    var="map",
132    responder.n=20,
133    responder=81,
134    responder.sd=5*sqrt(10),
135    nonresponder.n=4,
136    nonresponder=79,
137    nonresponder.sd=4*sqrt(4),
138    signif=FALSE),
139
140  data.frame(
141    study.id=7496,
142    var="age",
143    responder.n=20,
144    responder=47.0,
145    responder.sd=12.0,
146    nonresponder.n=20,
147    nonresponder=49.0,
148    nonresponder.sd=11.4,
149    signif=FALSE),
150
151  data.frame(
152    study.id=7496,
153    var="scr",
154    responder.n=20,
155    responder=3.0,
156    responder.sd=1.0,
157    nonresponder.n=20,
158    nonresponder=3.3,
159    nonresponder.sd=0.9,
160    signif=FALSE),
161
162  data.frame(
163    study.id=7496,
164    var="bilirubin",
165    responder.n=20,
166    responder=6.2,
167    responder.sd=(36.0-0.8)/3.5,
168    signif=FALSE),
169
170  data.frame(
171    study.id=7496,
172    var="map",
173    responder.n=20,
174    responder=81,
175    responder.sd=5*sqrt(10),
176    nonresponder.n=4,
177    nonresponder=79,
178    nonresponder.sd=4*sqrt(4),
179    signif=FALSE),
180
181  data.frame(
182    study.id=7496,
183    var="age",
184    responder.n=20,
185    responder=47.0,
186    responder.sd=12.0,
187    nonresponder.n=20,
188    nonresponder=49.0,
189    nonresponder.sd=11.4,
190    signif=FALSE),
191
192  data.frame(
193    study.id=7496,
194    var="scr",
195    responder.n=20,
196    responder=3.0,
197    responder.sd=1.0,
198    nonresponder.n=20,
199    nonresponder=3.3,
200    nonresponder.sd=0.9,
201    signif=FALSE),
202
203  data.frame(
204    study.id=7496,
205    var="bilirubin",
206    responder.n=20,
207    responder=6.2,
208    responder.sd=(36.0-0.8)/3.5,
209    signif=FALSE),
210
211  data.frame(
212    study.id=7496,
213    var="map",
214    responder.n=20,
215    responder=81,
216    responder.sd=5*sqrt(10),
217    nonresponder.n=4,
218    nonresponder=79,
219    nonresponder.sd=4*sqrt(4),
220    signif=FALSE),
221
222  data.frame(
223    study.id=7496,
224    var="age",
225    responder.n=20,
226    responder=47.0,
227    responder.sd=12.0,
228    nonresponder.n=20,
229    nonresponder=49.0,
230    nonresponder.sd=11.4,
231    signif=FALSE),
232
233  data.frame(
234    study.id=7496,
235    var="scr",
236    responder.n=20,
237    responder=3.0,
238    responder.sd=1.0,
239    nonresponder.n=20,
240    nonresponder=3.3,
241    nonresponder.sd=0.9,
242    signif=FALSE),
243
244  data.frame(
245    study.id=7496,
246    var="bilirubin",
247    responder.n=20,
248    responder=6.2,
249    responder.sd=(36.0-0.8)/3.5,
250    signif=FALSE),
251
252  data.frame(
253    study.id=7496,
254    var="map",
255    responder.n=20,
256    responder=81,
257    responder.sd=5*sqrt(10),
258    nonresponder.n=4,
259    nonresponder=79,
260    nonresponder.sd=4*sqrt(4),
261    signif=FALSE),
262
263  data.frame(
264    study.id=7496,
265    var="age",
266    responder.n=20,
267    responder=47.0,
268    responder.sd=12.0,
269    nonresponder.n=20,
270    nonresponder=49.0,
271    nonresponder.sd=11.4,
272    signif=FALSE),
273
274  data.frame(
275    study.id=7496,
276    var="scr",
277    responder.n=20,
278    responder=3.0,
279    responder.sd=1.0,
280    nonresponder.n=20,
281    nonresponder=3.3,
282    nonresponder.sd=0.9,
283    signif=FALSE),
284
285  data.frame(
286    study.id=7496,
287    var="bilirubin",
288    responder.n=20,
289    responder=6.2,
290    responder.sd=(36.0-0.8)/3.5,
291    signif=FALSE),
292
293  data.frame(
294    study.id=7496,
295    var="map",
296    responder.n=20,
297    responder=81,
298    responder.sd=5*sqrt(10),
299    nonresponder.n=4,
300    nonresponder=79,
301    nonresponder.sd=4*sqrt(4),
302    signif=FALSE),
303
304  data.frame(
305    study.id=7496,
306    var="age",
307    responder.n=20,
308    responder=47.0,
309    responder.sd=12.0,
310    nonresponder.n=20,
311    nonresponder=49.0,
312    nonresponder.sd=11.4,
313    signif=FALSE),
314
315  data.frame(
316    study.id=7496,
317    var="scr",
318    responder.n=20,
319    responder=3.0,
320    responder.sd=1.0,
321    nonresponder.n=20,
322    nonresponder=3.3,
323    nonresponder.sd=0.9,
324    signif=FALSE),
325
326  data.frame(
327    study.id=7496,
328    var="bilirubin",
329    responder.n=20,
330    responder=6.2,
331    responder.sd=(36.0-0.8)/3.5,
332    signif=FALSE),
333
334  data.frame(
335    study.id=7496,
336    var="map",
337    responder.n=20,
338    responder=81,
339    responder.sd=5*sqrt(10),
340    nonresponder.n=4,
341    nonresponder=79,
342    nonresponder.sd=4*sqrt(4),
343    signif=FALSE),
344
345  data.frame(
346    study.id=7496,
347    var="age",
348    responder.n=20,
349    responder=47.0,
350    responder.sd=12.0,
351    nonresponder.n=20,
352    nonresponder=49.0,
353    nonresponder.sd=11.4,
354    signif=FALSE),
355
356  data.frame(
357    study.id=7496,
358    var="scr",
359    responder.n=20,
360    responder=3.0,
361    responder.sd=1.0,
362    nonresponder.n=20,
363    nonresponder=3.3,
364    nonresponder.sd=0.9,
365    signif=FALSE),
366
367  data.frame(
368    study.id=7496,
369    var="bilirubin",
370    responder.n=20,
371    responder=6.2,
372    responder.sd=(36.0-0.8)/3.5,
373    signif=FALSE),
374
375  data.frame(
376    study.id=7496,
377    var="map",
378    responder.n=20,
379    responder=81,
380    responder.sd=5*sqrt(10),
381    nonresponder.n=4,
382    nonresponder=79,
383    nonresponder.sd=4*sqrt(4),
384    signif=FALSE),
385
386  data.frame(
387    study.id=7496,
388    var="age",
389    responder.n=20,
390    responder=47.0,
391    responder.sd=12.0,
392    nonresponder.n=20,
393    nonresponder=49.0,
394    nonresponder.sd=11.4,
395    signif=FALSE),
396
397  data.frame(
398    study.id=7496,
399    var="scr",
400    responder.n=20,
401    responder=3.0,
402    responder.sd=1.0,
403    nonresponder.n=20,
404    nonresponder=3.3,
405    nonresponder.sd=0.9,
406    signif=FALSE),
407
408  data.frame(
409    study.id=7496,
410    var="bilirubin",
411    responder.n=20,
412    responder=6.2,
413    responder.sd=(36.0-0.8)/3.5,
414    signif=FALSE),
415
416  data.frame(
417    study.id=7496,
418    var="map",
419    responder.n=20,
420    responder=81,
421    responder.sd=5*sqrt(10),
422    nonresponder.n=4,
423    nonresponder=79,
424    nonresponder.sd=4*sqrt(4),
425    signif=FALSE),
426
427  data.frame(
428    study.id=7496,
429    var="age",
430    responder.n=20,
431    responder=47.0,
432    responder.sd=12.0,
433    nonresponder.n=20,
434    nonresponder=49.0,
435    nonresponder.sd=11.4,
436    signif=FALSE),
437
438  data.frame(
439    study.id=7496,
440    var="scr",
441    responder.n=20,
442    responder=3.0,
443    responder.sd=1.0,
444    nonresponder.n=20,
445    nonresponder=3.3,
446    nonresponder.sd=0.9,
447    signif=FALSE),
448
449  data.frame(
450    study.id=7496,
451    var="bilirubin",
452    responder.n=20,
453    responder=6.2,
454    responder.sd=(36.0-0.8)/3.5,
455    signif=FALSE),
456
457  data.frame(
458    study.id=7496,
459    var="map",
460    responder.n=20,
461    responder=81,
462    responder.sd=5*sqrt(10),
463    nonresponder.n=4,
464    nonresponder=79,
465    nonresponder.sd=4*sqrt(4),
466    signif=FALSE),
467
468  data.frame(
469    study.id=7496,
470    var="age",
471    responder.n=20,
472    responder=47.0,
473    responder.sd=12.0,
474    nonresponder.n=20,
475    nonresponder=49.0,
476    nonresponder.sd=11.4,
477    signif=FALSE),
478
479  data.frame(
480    study.id=7496,
481    var="scr",
482    responder.n=20,
483    responder=3.0,
484    responder.sd=1.0,
485    nonresponder.n=20,
486    nonresponder=3.3,
487    nonresponder.sd=0.9,
488    signif=FALSE),
489
490  data.frame(
491    study.id=7496,
492    var="bilirubin",
493    responder.n=20,
494    responder=6.2,
495    responder.sd=(36.0-0.8)/3.5,
496    signif=FALSE),
497
498  data.frame(
499    study.id=7496,
500    var="map",
501    responder.n=20,
502    responder=81,
503    responder.sd=5*sqrt(10),
504    nonresponder.n=4,
505    nonresponder=79,
506    nonresponder.sd=4*sqrt(4),
507    signif=FALSE),
508
509  data.frame(
510    study.id=7496,
511    var="age",
512    responder.n=20,
513    responder=47.0,
514    responder.sd=12.0,
515    nonresponder.n=20,
516    nonresponder=49.0,
517    nonresponder.sd=11.4,
518    signif=FALSE),
519
520  data.frame(
521    study.id=7496,
522    var="scr",
523    responder.n=20,
524    responder=3.0,
525    responder.sd=1.0,
526    nonresponder.n=20,
527    nonresponder=3.3,
528    nonresponder.sd=0.9,
529    signif=FALSE),
530
531  data.frame(
532    study.id=7496,
533    var="bilirubin",
534    responder.n=20,
535    responder=6.2,
536    responder.sd=(36.0-0.8)/3.5,
537    signif=FALSE),
538
539  data.frame(
540    study.id=7496,
541    var="map",
542    responder.n=20,
543    responder=81,
544    responder.sd=5*sqrt(10),
545    nonresponder.n=4,
546    nonresponder=79,
547    nonresponder.sd=4*sqrt(4),
548    signif=FALSE),
549
550  data.frame(
551    study.id=7496,
552    var="age",
553    responder.n=20,
554    responder=47.0,
555    responder.sd=12.0,
556    nonresponder.n=20,
557    nonresponder=49.0,
558    nonresponder.sd=11.4,
559    signif=FALSE),
560
561  data.frame(
562    study.id=7496,
563    var="scr",
564    responder.n=20,
565    responder=3.0,
566    responder.sd=1.0,
567    nonresponder.n=20,
568    nonresponder=3.3,
569    nonresponder.sd=0.9,
570    signif=FALSE),
571
572  data.frame(
573    study.id=7496,
574    var="bilirubin",
575    responder.n=20,
576    responder=6.2,
577    responder.sd=(36.0-0.8)/3.5,
578    signif=FALSE),
579
580  data.frame(
581    study.id=7496,
582    var="map",
583    responder.n=20,
584    responder=81,
585    responder.sd=5*sqrt(10),
586    nonresponder.n=4,
587    nonresponder=79,
588    nonresponder.sd=4*sqrt(4),
589    signif=FALSE),
590
591  data.frame(
592    study.id=7496,
593    var="age",
594    responder.n=20,
595    responder=47.0,
596    responder.sd=12.0,
597    nonresponder.n=20,
598    nonresponder=49.0,
599    nonresponder.sd=11.4,
600    signif=FALSE),
601
602  data.frame(
603    study.id=7496,
604    var="scr",
605    responder.n=20,
606    responder=3.0,
607    responder.sd=1.0,
608    nonresponder.n=20,
609    nonresponder=3.3,
610    nonresponder.sd=0.9,
611    signif=FALSE),
612
613  data.frame(
614    study.id=7496,
615    var="bilirubin",
616    responder.n=20,
617    responder=6.2,
618    responder.sd=(36.0-0.8)/3.5,
619    signif=FALSE),
620
621  data.frame(
622    study.id=7496,
623    var="map",
624    responder.n=20,
625    responder=81,
626    responder.sd=5*sqrt(10),
627    nonresponder.n=4,
628    nonresponder=79,
629    nonresponder.sd=4*sqrt(4),
630    signif=FALSE),
631
632  data.frame(
633    study.id=7496,
634    var="age",
635    responder.n=20,
636    responder=47.0,
637    responder.sd=12.0,
638    nonresponder.n=20,
639    nonresponder=49.0,
640    nonresponder.sd=11.4,
641    signif=FALSE),
642
643  data.frame(
644    study.id=7496,
645    var="scr",
646    responder.n=20,
647    responder=3.0,
648    responder.sd=1.0,
649    nonresponder.n=20,
650    nonresponder=3.3,
651    nonresponder.sd=0.9,
652    signif=FALSE),
653
654  data.frame(
655    study.id=7496,
656    var="bilirubin",
657    responder.n=20,
658    responder=6.2,
659    responder.sd=(36.0-0.8)/3.5,
660    signif=FALSE),
661
662  data.frame(
663    study.id=7496,
664    var="map",
665    responder.n=20,
666    responder=81,
667    responder.sd=5*sqrt(10),
668    nonresponder.n=4,
669    nonresponder=79,
670    nonresponder.sd=4*sqrt(4),
671    signif=FALSE),
672
673  data.frame(
674    study.id=7496,
675    var="age",
676    responder.n=20,
677    responder=47.0,
678    responder.sd=12.0,
679    nonresponder.n=20,
680    nonresponder=49.0,
681    nonresponder.sd=11.4,
682    signif=FALSE),
683
684  data.frame(
685    study.id=7496,
686    var="scr",
687    responder.n=20,
688    responder=3.0,
689    responder.sd=1.0,
690    nonresponder.n=20,
691    nonresponder=3.3,
692    nonresponder.sd=0.9,
693    signif=FALSE),
694
695  data.frame(
696    study.id=7496,
697    var="bilirubin",
698    responder.n=20,
699    responder=6.2,
700    responder.sd=(36.0-0.8)/3.5,
701    signif=FALSE),
702
703  data.frame(
704    study.id=7496,
705    var="map",
706    responder.n=20,
707    responder=81,
708    responder.sd=5*sqrt(10),
709    nonresponder.n=4,
710    nonresponder=79,
711    nonresponder.sd=4*sqrt(4),
712    signif=FALSE),
713
714  data.frame(
715    study.id=7496,
716    var="age",
717    responder.n=20,
718    responder=47.0,
719    responder.sd=12.0,
720    nonresponder.n=20,
721    nonresponder=49.0,
722    nonresponder.sd=11.4,
723    signif=FALSE),
724
725  data.frame(
726    study.id=7496,
727    var="scr",
728    responder.n=20,
729    responder=3.0,
730    responder.sd=1.0,
731    nonresponder.n=20,
732    nonresponder=3.3,
733    nonresponder.sd=0.9,
734    signif=FALSE),
735
736  data.frame(
737    study.id=7496,
738    var="bilirubin",
739    responder.n=20,
740    responder=6.2,
741    responder.sd=(36.0-0.8)/3.5,
742    signif=FALSE),
743
744  data.frame(
745    study.id=7496,
746    var="map",
747    responder.n=20,
748    responder=81,
749    responder.sd=5*sqrt(10),
750    nonresponder.n=4,
751    nonresponder=79,
752    nonresponder.sd=4*sqrt(4),
753    signif=FALSE),
754
755  data.frame(
756    study.id=7496,
757    var="age",
758    responder.n=20,
759    responder=47.0,
760    responder.sd=12.0,
761    nonresponder.n=20,
762    nonresponder=49.0,
763    nonresponder.sd=11.4,
764    signif=FALSE),
765
766  data.frame(
767    study.id=7496,
768    var="scr",
769    responder.n=20,
770    responder=3.0,
771    responder.sd=1.0,
772    nonresponder.n=20,
773    nonresponder=3.3,
774    nonresponder.sd=0.9,
775    signif=FALSE),
776
777  data.frame(
778    study.id=7496,
779    var="bilirubin",
780    responder.n=20,
781    responder=6.2,
782    responder.sd=(36.0-0.8)/3.5,
783    signif=FALSE),
784
785  data.frame(
786    study.id=7496,
787    var="map",
788    responder.n=20,
789    responder=81,
790    responder.sd=5*sqrt(10),
791    nonresponder.n=4,
792    nonresponder=79,
793    nonresponder.sd=4*sqrt(4),
794    signif=FALSE),
795
796  data.frame(
797    study.id=7496,
798    var="age",
799    responder.n=20,
800    responder=47.0,
801    responder.sd=12.0,
802    nonresponder.n=20,
803    nonresponder=49.0,
804    nonresponder.sd=11.4,
805    signif=FALSE),
806
807  data.frame(
808    study.id=7496,
809    var="scr",
810    responder.n=20,
811    responder=3.0,
812    responder.sd=1.0,
813    nonresponder.n=20,
814    nonresponder=3.3,
815    nonresponder.sd=0.9,
816    signif=FALSE),
817
818  data.frame(
819    study.id=7496,
820    var="bilirubin",
821    responder.n=20,
822    responder=6.2,
823    responder.sd=(36.0-0.8)/3.5,
824    signif=FALSE),
825
826  data.frame(
827    study.id=7496,
828    var="map",
829    responder.n=20,
830    responder=81,
831    responder.sd=5*sqrt(10),
832    nonresponder.n=4,
833    nonresponder=79,
834    nonresponder.sd=4*sqrt(4),
835    signif=FALSE),
836
837  data.frame(
838    study.id=7496,
839    var="age",
840    responder.n=20,
841    responder=47.0,
842    responder.sd=12.0,
843    nonresponder.n=20,
844    nonresponder=49.0,
845    nonresponder.sd=11.4,
846    signif=FALSE),
847
848  data.frame(
849    study.id=7496,
850    var="scr",
851    responder.n=20,
852    responder=3.0,
853    responder.sd=1.0,
854    nonresponder.n=20,
855    nonresponder=3.3,
856    nonresponder.sd=0.9,
857    signif=FALSE),
858
859  data.frame(
860    study.id=7496,
861    var="bilirubin",
862    responder.n=20,
863    responder=6.2,
864    responder.sd=(36.0-0.8)/3.5,
865    signif=FALSE),
866
867  data.frame(
868    study.id=7496,
869    var="map",
870    responder.n=20,
871    responder=81,
872    responder.sd=5*sqrt(10),
873    nonresponder.n=4,
874    nonresponder=79,
875    nonresponder.sd=4*sqrt(4),
876    signif=FALSE),
877
878  data.frame(
879    study.id=7496,
880    var="age",
881    responder.n=20,
882    responder=47.0,
883    responder.sd=12.0,
884    nonresponder.n=20,
885    nonresponder=49.0,
886    nonresponder.sd=11.4,
887    signif=FALSE),
888
889  data.frame(
890    study.id=7496,
891    var="scr",
892    responder.n=20,
893    responder=3.0,
894    responder.sd=1.0,
895    nonresponder.n=20,
896    nonresponder=3.3,
897    nonresponder.sd=0.9,
898    signif=FALSE),
899
900  data.frame(
901    study.id=7496,
902    var="bilirubin",
903    responder.n=20,
904    responder=6.2,
905    responder.sd=(36.0-0.8)/3.5,
906    signif=FALSE),
907
908  data.frame(
909    study.id=7496,
910    var="map",
911    responder.n=20,
912    responder=81,
913    responder.sd=5*sqrt(10),
914    nonresponder.n=4,
915    nonresponder=79,
916    nonresponder.sd=4*sqrt(4),
917    signif=FALSE),
918
919  data.frame(
920    study.id=7496,
921    var="age",
922    responder.n=20,
923    responder=47.0,
924    responder.sd=12.0,
925    nonresponder.n=20,
926    nonresponder=49.0,
927    nonresponder.sd=11.4,
928    signif=FALSE),
929
930  data.frame(
931    study.id=7496,
932    var="scr",
933    responder.n=20,
934    responder=3.0,
935    responder.sd=1.0,
936    nonresponder.n=20,
937    nonresponder=3.3,
938    nonresponder.sd=0.9,
939    signif=FALSE),
940
941  data.frame(
942    study.id=7496,
943    var="bilirubin",
944    responder.n=20,
945    responder=6.2,
946    responder.sd=(36.0-0.8)/3.5,
947    signif=FALSE),
948
949  data.frame(
950    study.id=7496,
951    var="map",
952    responder.n=20,
953    responder=81,
954    responder.sd=5*sqrt(10),
955    nonresponder.n=4,
956    nonresponder=79,
957    nonresponder.sd=4*sqrt(4),
958    signif=FALSE),
959
960  data.frame(
961    study.id=7496,
962    var="age",
963    responder.n=20,
964    responder=47.0,
965    responder.sd=12.0,
966    nonresponder.n=20,
967    nonresponder=49.0,
968    nonresponder.sd=11.4,
969    signif=FALSE),
970
971  data.frame(
972    study.id=7496,
973    var="scr",
974    responder.n=20,
975    responder=3.0,
976    responder.sd=1.0,
977    nonresponder.n=20,
978    nonresponder=3.3,
979    nonresponder.sd=0.9,
980    signif=FALSE),
981
982  data.frame(
983    study.id=7496,
984    var="bilirubin",
985    responder.n=20,
986    responder=6.2,
987    responder.sd=(36.0-0.8)/3.5,
988    signif=FALSE),
989
990  data.frame(
991    study.id=7496,
992    var="map",
993    responder.n=20,
994    responder=81,
995    responder.sd=5*sqrt(10),
996    nonresponder.n=4,
997    nonresponder=79,
998    nonresponder.sd=4*sqrt(4),
999    signif=FALSE),
1000
1001  data.frame(
1002    study.id=7496,
1003    var="age",
1004    responder.n=20,
1005    responder=47.0,
1006    responder.sd=12.0,
1007    nonresponder.n=20,
1008    nonresponder=49.0,
1009    nonresponder.sd=11.4,
1010    signif=FALSE),
1011
1012  data.frame(
1013    study.id=7496,
1014    var="scr",
1015    responder.n=20,
1016    responder=3.0,
1017    responder.sd=1.0,
1018    nonresponder.n=20,
1019    nonresponder=3.3,
1020    nonresponder.sd=0.9,
1021    signif=FALSE),
1022
1023  data.frame(
1024    study.id=7496,
1025    var="bilirubin",
1026    responder.n=20,
1027    responder=6.2,
1028    responder.sd=(36.0-0.8)/3.5,
1029    signif=FALSE),
1030
1031  data.frame(
1032    study.id=7496,
1033    var="map",
1034    responder.n=20,
1035    responder=81,
1036    responder.sd=5*sqrt(10),
1037    nonresponder.n=4,
1038    nonresponder=79,
1039    nonresponder.sd=4*sqrt(4),
1040    signif=FALSE),
1041
1042  data.frame(
1043    study.id=7496,
1044    var="age",
1045    responder.n=20,
1046    responder=47.0,
1047    responder.sd=12.0,
1048    nonresponder.n=20,
1049    nonresponder=49.0,
1050    nonresponder.sd=11.4,
1051    signif=FALSE),
1052
1053  data.frame(
1054    study.id=7496,
1055    var="scr",
1056    responder.n=20,
1057    responder=3.0,
1058    responder.sd=1.0,
1059    nonresponder.n=20,
1060    nonresponder=3.3,
1061    nonresponder.sd=0.9,
1062    signif=FALSE),
1063
1064  data.frame(
1065    study.id=7496,
1066    var="bilirubin",
1067    responder.n=20,
1068    responder=6.2,
1069    responder.sd=(36.0-0.8)/3.5,
1070    signif=FALSE),
1071
1072  data.frame(
1073    study.id=7496,
1074    var="map",
1075    responder.n=20,
1076    responder=81,
1077    responder.sd=5*sqrt(10),
1078    nonresponder.n=4,
1079    nonresponder=79,
1080    nonresponder.sd=4*sqrt(4),
1081    signif=FALSE),
1082
1083  data.frame(
1084    study.id=7496,
1085    var="age",
1086    responder.n=20,
1087    responder=47.0,
1088    responder.sd=12.0,
1089    nonresponder.n=20,
1090    nonresponder=49.0,
1091    nonresponder.sd=11.4,
1092    signif=FALSE),
1093
1094  data.frame(
1095    study.id=7496,
1096    var="scr",
1097    responder.n=20,
1098    responder=3.0,
1099    responder.sd=1.0,
11
```

```

1 nonresponder.n=20,
2 nonresponder=6.9,
3 nonresponder.sd=(40.0-0.7)/3.5,
4 signif=FALSE),
5
6 data.frame(
7 study.id=7496,
8 var="salb",
9 responder.n=20,
10 responder=2.5,
11 responder.sd=0.5,
12 nonresponder.n=20,
13 nonresponder=2.6,
14 nonresponder.sd=0.5,
15 signif=FALSE),
16
17 data.frame(
18 study.id=7496,
19 var="map",
20 responder.n=20,
21 responder=83.0,
22 responder.sd=8.5,
23 nonresponder.n=20,
24 nonresponder=76.7,
25 nonresponder.sd=8.3,
26 signif=TRUE),
27
28 data.frame(
29 study.id=7380,
30 var="age",
31 responder.n=8,
32 responder=51.5,
33 responder.sd=5.3*sqrt(8),
34 nonresponder.n=5,
35 nonresponder=58.6,
36 nonresponder.sd=6.9*sqrt(5),
37 signif=FALSE),
38
39 data.frame(
40 study.id=7380,
41 var="scr",
42 responder.n=8,
43 responder=3.0,
44 responder.sd=1.7*sqrt(8),
45 nonresponder.n=5,
46 nonresponder=3.9,
47 nonresponder.sd=1.5*sqrt(5),
48 signif=FALSE),
49
50 data.frame(
51 study.id=7380,
52 var="map",
53 responder.n=8,
54 responder=70.1,
55 responder.sd=9.1*sqrt(8),
56 nonresponder.n=5,
57 nonresponder=68.8,
58 nonresponder.sd=6.5*sqrt(5),
59 signif=FALSE),
60
61 data.frame(
62 study.id=8454,
63 var="age",
64 responder.n=19,
65 responder=46.0,
66 responder.sd=10.1,
67 nonresponder.n=27,
68 nonresponder=52.6,
69 nonresponder.sd=11.9,
70 signif=FALSE),
71
72 data.frame(
73 study.id=8454,
74 var="scr",
75 responder.n=19,
76 responder=3.08,
77 responder.sd=0.6,
78 nonresponder.n=27,
79 nonresponder=3.27,
80 nonresponder.sd=0.7,
81 signif=FALSE),
82
83 data.frame(
84 study.id=8454,
85 var="bilirubin",
86 responder.n=19,
87 responder=4.8,
88 responder.sd=6.4,
89 nonresponder.n=27,
90 nonresponder=4.0,
91 nonresponder.sd=2.2,
92 signif=FALSE),
93
94 data.frame(
95 study.id=8454,
96 var="salb",
97 responder.n=19,
98 responder=2.8,
99 responder.sd=0.2,
100 nonresponder.n=27,
101 nonresponder=2.7,
102 nonresponder.sd=0.3,
103 signif=TRUE),
104
105 data.frame(
106 study.id=8454,
107 var="map",
108 responder.n=19,
109 responder=69.3,
110 responder.sd=9.3,
111 nonresponder.n=27,
112 nonresponder=61.9,
113 nonresponder.sd=11.2,
114 signif=TRUE),
115
116 data.frame(
117 study.id=7635,
118 var="map",
119 responder.n=19,
120 responder=72.8,
121 responder.sd=11.6,
122 nonresponder.n=37,
123 nonresponder=76.9,
124 nonresponder.sd=11.3,
125 signif=FALSE),
126
127 data.frame(
128 study.id=7488,
129 var="age",
130 responder.n=18,
131 responder=58,
132 responder.sd=9,
133 nonresponder.n=21,
134 nonresponder=55,
135 nonresponder.sd=10,
136 signif=FALSE),
137
138 data.frame(
139 study.id=7488,
140 var="scr",
141 responder.n=18,
142 responder=11.9,
143 responder.sd=10.1,
144 nonresponder.n=27,
145 nonresponder=52.6,
146 nonresponder.sd=11.9,
147 signif=FALSE),
148
149 data.frame(
150 study.id=7488,
151 var="bilirubin",
152 responder.n=18,
153 responder=4.8,
154 responder.sd=6.4,
155 nonresponder.n=27,
156 nonresponder=4.0,
157 nonresponder.sd=2.2,
158 signif=FALSE),
159
160 data.frame(
161 study.id=7488,
162 var="salb",
163 responder.n=18,
164 responder=2.8,
165 responder.sd=0.2,
166 nonresponder.n=27,
167 nonresponder=2.7,
168 nonresponder.sd=0.3,
169 signif=TRUE),
170
171 data.frame(
172 study.id=7488,
173 var="map",
174 responder.n=18,
175 responder=69.3,
176 responder.sd=9.3,
177 nonresponder.n=27,
178 nonresponder=61.9,
179 nonresponder.sd=11.2,
180 signif=TRUE),
181
182 data.frame(
183 study.id=7635,
184 var="map",
185 responder.n=19,
186 responder=72.8,
187 responder.sd=11.6,
188 nonresponder.n=37,
189 nonresponder=76.9,
190 nonresponder.sd=11.3,
191 signif=FALSE),
192
193 data.frame(
194 study.id=7488,
195 var="age",
196 responder.n=18,
197 responder=58,
198 responder.sd=9,
199 nonresponder.n=21,
200 nonresponder=55,
201 nonresponder.sd=10,
202 signif=FALSE),
203
204 data.frame(
205 study.id=7488,
206 var="scr",
207 responder.n=18,
208 responder=11.9,
209 responder.sd=10.1,
210 nonresponder.n=27,
211 nonresponder=52.6,
212 nonresponder.sd=11.9,
213 signif=FALSE),
214
215 data.frame(
216 study.id=7488,
217 var="bilirubin",
218 responder.n=18,
219 responder=4.8,
220 responder.sd=6.4,
221 nonresponder.n=27,
222 nonresponder=4.0,
223 nonresponder.sd=2.2,
224 signif=FALSE),
225
226 data.frame(
227 study.id=7488,
228 var="salb",
229 responder.n=18,
230 responder=2.8,
231 responder.sd=0.2,
232 nonresponder.n=27,
233 nonresponder=2.7,
234 nonresponder.sd=0.3,
235 signif=TRUE),
236
237 data.frame(
238 study.id=7488,
239 var="map",
240 responder.n=18,
241 responder=69.3,
242 responder.sd=9.3,
243 nonresponder.n=27,
244 nonresponder=61.9,
245 nonresponder.sd=11.2,
246 signif=TRUE),
247
248 data.frame(
249 study.id=7635,
250 var="map",
251 responder.n=19,
252 responder=72.8,
253 responder.sd=11.6,
254 nonresponder.n=37,
255 nonresponder=76.9,
256 nonresponder.sd=11.3,
257 signif=FALSE),
258
259 data.frame(
260 study.id=7488,
261 var="age",
262 responder.n=18,
263 responder=58,
264 responder.sd=9,
265 nonresponder.n=21,
266 nonresponder=55,
267 nonresponder.sd=10,
268 signif=FALSE),
269
270 data.frame(
271 study.id=7488,
272 var="scr",
273 responder.n=18,
274 responder=11.9,
275 responder.sd=10.1,
276 nonresponder.n=27,
277 nonresponder=52.6,
278 nonresponder.sd=11.9,
279 signif=FALSE),
280
281 data.frame(
282 study.id=7488,
283 var="bilirubin",
284 responder.n=18,
285 responder=4.8,
286 responder.sd=6.4,
287 nonresponder.n=27,
288 nonresponder=4.0,
289 nonresponder.sd=2.2,
290 signif=FALSE),
291
292 data.frame(
293 study.id=7488,
294 var="salb",
295 responder.n=18,
296 responder=2.8,
297 responder.sd=0.2,
298 nonresponder.n=27,
299 nonresponder=2.7,
300 nonresponder.sd=0.3,
301 signif=TRUE),
302
303 data.frame(
304 study.id=7488,
305 var="map",
306 responder.n=18,
307 responder=69.3,
308 responder.sd=9.3,
309 nonresponder.n=27,
310 nonresponder=61.9,
311 nonresponder.sd=11.2,
312 signif=TRUE),
313
314 data.frame(
315 study.id=7635,
316 var="map",
317 responder.n=19,
318 responder=72.8,
319 responder.sd=11.6,
320 nonresponder.n=37,
321 nonresponder=76.9,
322 nonresponder.sd=11.3,
323 signif=FALSE),
324
325 data.frame(
326 study.id=7488,
327 var="age",
328 responder.n=18,
329 responder=58,
330 responder.sd=9,
331 nonresponder.n=21,
332 nonresponder=55,
333 nonresponder.sd=10,
334 signif=FALSE),
335
336 data.frame(
337 study.id=7488,
338 var="scr",
339 responder.n=18,
340 responder=11.9,
341 responder.sd=10.1,
342 nonresponder.n=27,
343 nonresponder=52.6,
344 nonresponder.sd=11.9,
345 signif=FALSE),
346
347 data.frame(
348 study.id=7488,
349 var="bilirubin",
350 responder.n=18,
351 responder=4.8,
352 responder.sd=6.4,
353 nonresponder.n=27,
354 nonresponder=4.0,
355 nonresponder.sd=2.2,
356 signif=FALSE),
357
358 data.frame(
359 study.id=7488,
360 var="salb",
361 responder.n=18,
362 responder=2.8,
363 responder.sd=0.2,
364 nonresponder.n=27,
365 nonresponder=2.7,
366 nonresponder.sd=0.3,
367 signif=TRUE),
368
369 data.frame(
370 study.id=7488,
371 var="map",
372 responder.n=18,
373 responder=69.3,
374 responder.sd=9.3,
375 nonresponder.n=27,
376 nonresponder=61.9,
377 nonresponder.sd=11.2,
378 signif=TRUE),
379
380 data.frame(
381 study.id=7635,
382 var="map",
383 responder.n=19,
384 responder=72.8,
385 responder.sd=11.6,
386 nonresponder.n=37,
387 nonresponder=76.9,
388 nonresponder.sd=11.3,
389 signif=FALSE),
390
391 data.frame(
392 study.id=7488,
393 var="age",
394 responder.n=18,
395 responder=58,
396 responder.sd=9,
397 nonresponder.n=21,
398 nonresponder=55,
399 nonresponder.sd=10,
400 signif=FALSE),
401
402 data.frame(
403 study.id=7488,
404 var="scr",
405 responder.n=18,
406 responder=11.9,
407 responder.sd=10.1,
408 nonresponder.n=27,
409 nonresponder=52.6,
410 nonresponder.sd=11.9,
411 signif=FALSE),
412
413 data.frame(
414 study.id=7488,
415 var="bilirubin",
416 responder.n=18,
417 responder=4.8,
418 responder.sd=6.4,
419 nonresponder.n=27,
420 nonresponder=4.0,
421 nonresponder.sd=2.2,
422 signif=FALSE),
423
424 data.frame(
425 study.id=7488,
426 var="salb",
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1274 responder.n=18,
1275 responder=4.8,
1276 responder.sd=6.4,
1277 nonresponder.n=27,
1278 nonresponder=4.0,
1279 nonresponder.sd=2.2,
1280 signif=FALSE),
1281
1282 data.frame(
1283 study.id=7488,
1284 var="salb",
1285 responder.n=18,
1286 responder=2.8,
1287 responder.sd=0.2,
1288 nonresponder.n=27,
1289 nonresponder=2.7,
1290 nonresponder.sd=0.3,
1291 signif=TRUE),
1292
1293 data.frame(
1294 study.id=7488,
1295 var="map",
1296 responder.n=18,
1297 responder=69.3,
1298 responder.sd=9.3,
1299 nonresponder.n=27,
1300 nonresponder=61.9,
1301 nonresponder.sd=11.2,
1302 signif=TRUE),
1303
1304 data.frame(
1305 study.id=7635,
1306 var="map",
1307 responder.n=19,
1308 responder=72.8,
1309 responder.sd=11.6,
1310 nonresponder.n=37,
1311 nonresponder=76.9,
1312 nonresponder.sd=11.3,
1313 signif=FALSE),
1314
1315 data.frame(
1316 study.id=7488,
1317 var="age",
1318 responder.n=18,
1319 responder=58,
1320 responder.sd=9,
1321 nonresponder.n=21,
1322 nonresponder=55,
1323 nonresponder.sd=10,
1324 signif=FALSE),
1325
1326 data.frame(
1327 study.id=7488,
1328 var="scr",
1329 responder.n=18,
1330 responder=11.9,
1331 responder.sd=10.1,
1332 nonresponder.n=27,
1333 nonresponder=52.6,
1334 nonresponder.sd=11.9,
1335 signif=
```

```
1 responder=3.5,
2 responder.sd=1.4,
3 nonresponder.n=21,
4 nonresponder=3.9,
5 nonresponder.sd=1.4,
6 signif=FALSE),
7
8 data.frame(
9 study.id=7488,
10 var="bilirubin",
11 responder.n=18,
12 responder=6,
13 responder.sd=7,
14 nonresponder.n=21,
15 nonresponder=24,
16 nonresponder.sd=20,
17 signif=TRUE),
18
19 data.frame(
20 study.id=7488,
21 var="salb",
22 responder.n=18,
23 responder=3.0,
24 responder.sd=0.6,
25 nonresponder.n=21,
26 nonresponder=2.8,
27 nonresponder.sd=0.7,
28 signif=FALSE),
29
30 data.frame(
31 study.id=7488,
32 var="map",
33 responder.n=18,
34 responder=76,
35 responder.sd=13,
36 nonresponder.n=21,
37 nonresponder=79,
38 nonresponder.sd=9,
39 signif=FALSE)
40
41 predictor <- do.call(rbind,predictor)
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
```