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NOTE: SAS (r) Proprietary Software 9.3 (TS1M1)  
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NOTE: This session is executing on the X64\_ES08R2 platform.

NOTE: Updated analytical products:

SAS/STAT 9.3\_M1

NOTE: SAS initialization used:  
real time 2.35 seconds  
cpu time 1.23 seconds

```
1
2 *****
3 ** finlstat: TOMUS final analysis dataset
4 *****;
5 option nofmterr noSYMBOLGEN noMLOGIC;
6
7 %let cut='13SEP2010'd; * Event cutoff date;
8
9 libname matchfl "\\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\Datasets\Public Use_NIDDK
Repository\datasets";
NOTE: Libref MATCHFL was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\Datasets\Public Use_NIDDK
Repository\datasets
10 libname urtml "\\Neril\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\09_0715\raw";
NOTE: Libref URTMBL was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\09_0715\raw
11 libname utml "\\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\09_0715";
NOTE: Libref UTMBL was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\09_0715
12 libname u_tm "\\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\Current";
NOTE: Libref U_TM was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\Current
13 libname u_tm2 "\\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\10_1012";
NOTE: Libref U_TM2 was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol #3_TOMUS\DataSets\10_1012
14 libname ur "\\Neril\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\Current\raw";
NOTE: Libref UR was successfully assigned as follows:
Engine: V9
Physical Name: \\Neril\PROJECTS3\UITN\Protocol_AcrossStudies\DataSets\Current\raw
15
16 proc format;
17 value assign 1='Retropubic'
18 2='Transobturator';
NOTE: Format ASSIGN has been output.
19 value yna 0='No'
20 1='Yes';
NOTE: Format YNA has been output.
21 value ynb 1='Yes'
22 2='No';
NOTE: Format YNB has been output.
23 value sex 1='Female';
NOTE: Format SEX has been output.
24 value racea 1='White'
25 2='Black'
26 3='Asian'
27 4='Pacific Island'
28 5='American Indian'
29 6='Other'
30 7='Multi race';
NOTE: Format RACEA has been output.
31 value raceb 1='White'
32 2='Black'
33 3='Asian'
```

```

34         4='Pacific Island'
35         5='American Indian'
36         99='Other';
NOTE: Format RACEB has been output.
37 value hispa 1='Hispanic'
38         2='Non-hispanic White'
39         3='Non-hispanic Black'
40         4='Non-hispanic Other';
NOTE: Format HISPA has been output.
41 value npcacat 0='0'
42         1='1-2'
43         2='3-4'
44         3='>=5';
NOTE: Format NPCACAT has been output.
45 value menoa 1='PRE-MENOPAUSAL'
46         2='POST-MENOPAUSAL'
47         3='SOMEWHERE IN-BETWEEN'
48         4='NOT SURE';
NOTE: Format MENOA has been output.
49 value ahrt 0='No'
50         1='Yes'
51         2='Pre';
NOTE: Format AHRT has been output.
52 value bmiab 0='<30'
53         1='>=30';
NOTE: Format BMIAB has been output.
54 value udiform 0='Not at all bothersome'
55         1='Slightly bothersome'
56         2='Moderately bothersome'
57         3='Greatly bothersome';
NOTE: Format UDIFORM has been output.
58 value sfa 0='Never'
59         1='Seldom'
60         2='Sometimes'
61         3='Usually'
62         4='Always';
NOTE: Format SFA has been output.
63 value sfb 4='Never'
64         3='Seldom'
65         2='Sometimes'
66         1='Usually'
67         0='Always';
NOTE: Format SFB has been output.
68 value sfc 4='Much more intense'
69         3='More intense'
70         2='Same intensity'
71         1='Less intense'
72         0='Much less intense';
NOTE: Format SFC has been output.
73 value del 1='1'
74         2='2'
75         3='3'
76         4='4+';
NOTE: Format DEL has been output.
77 value stcat 1='0,1'
78         2='2'
79         3='3,4';
NOTE: Format STCAT has been output.
80 value npre 0='0'
81         1='1'
82         2='2'
83         3='3'
84         4='4'
85         5='5'
86         6='6'
87         7='7'
88         8='8+';
NOTE: Format NPRE has been output.
89 value csec 1='Cesarean delivery only'
90         2='Vaginal/Cesarean delivery'
91         3='Neither/No delivery';

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NOTE: Format CSEC has been output.
92 value aac 1='Aa [-3,-2] '
93           2='Aa (-2,-1] '
94           3='Aa (-1,max] ';
NOTE: Format AAC has been output.
95 value strmix 1='stress only '
96             2='stress predominant '
97             3='mixed '
NOTE: Format STRMIX has been output.
98 value smkst 0='No '
99             1='Former '
100            2='Current ';
NOTE: Format SMKST has been output.
101 value obes 1='<25 '
102            2='25-30 '
103            3='>=30 ';
NOTE: Format OBES has been output.
104 value pcdurf . = 'missing'
105             0-.999999 = '<1'
106             1-3 = '[1,3]'
107             3.00000001-100 = '>3';
NOTE: Format PCDURF has been output.
108 value health 1="1: Excellent" 2="2:Very good" 3="3: Good" 4="4:Fair" 5="5:Poor";
NOTE: Format HEALTH has been output.
109 value flpatt 1='Continuous, smooth '
110             2='Continuous, fluctuating'
111             3='Intermittent ';
NOTE: Format FLPATT has been output.
112 value leakm 1='Yes'
113            2='No'
114            3='NA, VLPPs obtained at or prior to MCC';
NOTE: Format LEAKM has been output.
115 value pfsvd 1='Pure or predominant detrusor'
116            2='Pure or predominant abdominal'
117            3='Mixed'
118            4='Indeterminate / uninterpretable';
NOTE: Format PFSVD has been output.
119 value lk_grpf -1 = '-1:Protocol violation'
120              0 = 'Invalid or implausible'
121              1 = '1:Patient leaked w/ unreduced Valsalva'
122              2 = '2:Patient leaked w/ reduced Valsalva only'
123              3 = '3:Patient leaked w/ cough at MCC only'
124              4 = '4:Patient did not leak';
NOTE: Format LK_GRPf has been output.
125 value usilk 0 = 'leak_grp=4'
126            1 = 'leak_grp in (1,2,3)';
NOTE: Format USILK has been output.
127 value ltstatf 1="1:Cont"
128              2="2:Lost"
129              3="3:Failed";
NOTE: Format LTSTATF has been output.
130 value trtm_01f 1 = "1: RMUS"
131              0 = "0: TMUS";
NOTE: Format TRTM_01F has been output.
132 value vlpp90f 0="0: <= 90"
133              1="1: > 90";
NOTE: Format VLPP90F has been output.
134 value vlpp3f 1="0: <=90"
135              2="1: > 90"
136              3="missing";
NOTE: Format VLPP3F has been output.
137 value assigf 1="1:RMUS" 2="2:TMUS";
NOTE: Format ASSIGF has been output.
138 value trtm_01nf 1="1:TMUS" 0="0: RMUS";
NOTE: Format TRTM_01NF has been output.
139 value failnf 1="1:success" 0="0:failure";
NOTE: Format FAILNF has been output.
140 value failnfb 1="1:failure" 2="2:success";
NOTE: Format FAILNFB has been output.
141 value failnfc 1="1:failure" 0="0:success";
NOTE: Format FAILNFC has been output.

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142 value msgvlpf 1="1:missing" 0="0:not missing";
NOTE: Format MSGVLPPF has been output.
143 run;

NOTE: PROCEDURE FORMAT used (Total process time):
      real time          0.06 seconds
      cpu time           0.06 seconds

144
145 proc sort data=utmb1.rand_tmus out=randa;by master_id;run;

NOTE: There were 597 observations read from the data set UTMBL.RAND_TMUS.
NOTE: The data set WORK.RANDA has 597 observations and 18 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time          0.03 seconds
      cpu time           0.03 seconds

146 proc sort data=urtmb1.f305 out=f305; by master_id visit; run;

NOTE: There were 1087 observations read from the data set URTMBL.F305.
NOTE: The data set WORK.F305 has 1087 observations and 86 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time          0.06 seconds
      cpu time           0.03 seconds

147 proc sort data=matchfl.tm_aid out=tmaid; by master_id; run;

NOTE: Input data set is already sorted; it has been copied to the output data set.
NOTE: There were 597 observations read from the data set MATCHFL.TM_AID.
NOTE: The data set WORK.TMAID has 597 observations and 11 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time          0.01 seconds
      cpu time           0.01 seconds

148
149 *** Puts run date in SAS log;
150 data _null_;
151   rundate=date(); runtime=time();
152   put rundate=date8. runtime=time.;
153 run;

rundate=27NOV13 runtime=10:35:28
NOTE: DATA statement used (Total process time):
      real time          0.01 seconds
      cpu time           0.01 seconds

154
155 data failures;
156 set u_tm2.failuresfromf394;
157
158 if master_id = "172000167" then do;
159   vd_fail = 2; pad_fail = 2; objfail = 2; subjfail = 2; anyfail = 2;
160 end;
161 if master_id = "142000200" then do;
162   vd_fail = 2; subjfail = 2; anyfail = 2;
163 end;
164 if master_id = "121000819" then do;
165   mesa_fail = 2; subjfail = 2; anyfail = 2;
166 end;
167 if master_id = "151000414" then do;
168   mesa_fail = 2; subjfail = 2; anyfail = 2;
169 end;
170
171 drop site site_a subsite site_id;
172 run;

```

NOTE: There were 597 observations read from the data set U\_TM2.FAILURESFROMF394.  
NOTE: The data set WORK.FAILURES has 597 observations and 162 variables.  
NOTE: DATA statement used (Total process time):  
    real time        0.21 seconds  
    cpu time          0.14 seconds

```
173
174 data death;
175 set ur.f395;
176 run;
```

NOTE: Format X739F was not found or could not be loaded.  
NOTE: Format X739F was not found or could not be loaded.  
NOTE: There were 6 observations read from the data set UR.F395.  
NOTE: The data set WORK.DEATH has 6 observations and 13 variables.  
NOTE: DATA statement used (Total process time):  
    real time        0.01 seconds  
    cpu time          0.00 seconds

```
177
178 data baseline;
179 set utmbl.baseline_tm;
180 run;
```

NOTE: There were 597 observations read from the data set UTMBL.BASELINE\_TM.  
NOTE: The data set WORK.BASELINE has 597 observations and 470 variables.  
NOTE: DATA statement used (Total process time):  
    real time        0.73 seconds  
    cpu time          0.37 seconds

```
181
182 *also need surgeon information;
183 data f310;
184 set u_tm2.f310;
185 run;
```

NOTE: There were 597 observations read from the data set U\_TM2.F310.  
NOTE: The data set WORK.F310 has 597 observations and 82 variables.  
NOTE: DATA statement used (Total process time):  
    real time        0.17 seconds  
    cpu time          0.14 seconds

```
186
187 data uds;
188 set utmbl.baseline_uds;
189 vlpp90 = .;
190 if . < vlpp_nored <= 90 then vlpp90 = 0;
191 else if vlpp_nored > 90 then vlpp90 = 1;
192 vlpp3 = .;
193 if . < vlpp_nored <= 90 then vlpp3 = 1;
194 else if vlpp_nored > 90 then vlpp3 = 2;
195 else if vlpp_nored = . then vlpp3 = 3;
196 vlpp5 = .;
197
198 keep master_id vlpp_nored vlpp90 vlpp3 mucp_w leak_grp usi usinoinvalid;
199 format vlpp90 vlpp90f. vlpp3 vlpp3f.;
200 run;
```

NOTE: There were 595 observations read from the data set UTMBL.BASELINE\_UDS.  
NOTE: The data set WORK.UDS has 595 observations and 8 variables.  
NOTE: DATA statement used (Total process time):  
    real time        0.23 seconds  
    cpu time          0.15 seconds

```
201
202 proc sort data=death; by master_id;
```

NOTE: There were 6 observations read from the data set WORK.DEATH.  
NOTE: The data set WORK.DEATH has 6 observations and 13 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time          0.01 seconds  
    cpu time           0.01 seconds

203 proc sort data=failures; by master\_id;

NOTE: There were 597 observations read from the data set WORK.FAILURES.  
NOTE: The data set WORK.FAILURES has 597 observations and 162 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time          0.03 seconds  
    cpu time           0.03 seconds

204 proc sort data=f310; by master\_id;

NOTE: There were 597 observations read from the data set WORK.F310.  
NOTE: The data set WORK.F310 has 597 observations and 82 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time          0.01 seconds  
    cpu time           0.01 seconds

205 proc sort data=uds; by master\_id;  
206

NOTE: There were 595 observations read from the data set WORK.UDS.  
NOTE: The data set WORK.UDS has 595 observations and 8 variables.  
NOTE: PROCEDURE SORT used (Total process time):  
    real time          0.01 seconds  
    cpu time           0.01 seconds

```
207 data finlstat;
208 merge failures(in=a) death(in=b) f310(in=c) uds(in=d);
209 by master_id;
210 if a;
211
212 *if a woman has an obj failure report, then status is obj failure;
213 *presumably any obj failure report pre-dated date of death;
214 *days of observation = days between randomization and first obj failure;
215 if objfail = 1 then do;
216     obj_status = 3;
217     obj_days = objfail_d - rando_dt;
218 end;
219 *if died and no other failure;
220 *days of obs = days btwn rando and death;
221 *HL 11/10/2010 - comment out the section on deaths and just treat as lost-to-followup;
222 *until they failed (in which case they are in failures);
223 /*
224 else if final_status = 5 and objfail = 2 then do;
225     *status = 2;
226     *redo - censoring women at death;
227     obj_status = 1;
228     obj_days = death_d - rando_dt;
229 end;
230 */
231 *if no failure and no death but lost;
232 *days of obs = days btwn rando and date of last visit prior to loss;
233 *HL 4/16/2010;
234 *only set to lost if lost before 24 month visit;
235 *HL 8/13/2010 - modify to include TF12 also;
236 *note: there were no losts at TF24;
237 else if final_status in (2,3,4,5,6) and objfail = 2 and last_visit in
("TF2W","TF6W","TF06","TF12") then do;
238     obj_status = 2;
239     obj_days = obsdays;
240 end;
241 *all others are continuing;
```

```

242 *days of obs = days btwn rando and cut date;
243 *****;
244 *NOTE: the obj_days should actually be cut to be at 24 month visit;
245 else do;
246     obj_status = 1;
247     obj_days = &cut - rando_dt;
248 end;
249 *end portion on obj failure;
250
251 *HL - issue here with obj_days;
252 *WHEN PERFORM KAPLAN-MEIER ANALYSIS, MAY NEED TO ADDRESS THE OBJ_DAYS ISSUE,
253 *SINCE TIME COULD BE MUCH MORE THAN 24 MONTH VISIT;
254 *think this actually is simply a limitation of the data;
255 *we know when exactly people fail, but not exactly when they succeed;
256 *this matches how the SISTEr analysis was done;
257
258 *now add in the portion for subjective failure;
259 *if a woman has an subj failure report, then status is subj failure;
260 *presumably any subj failure report pre-dated date of death;
261 *days of observation = days between randomization and first subj failure;
262 if subjfail = 1 then do;
263     subj_status = 3;
264     subj_days = subjfail_d - rando_dt;
265 end;
266 *if died and no other subj failure;
267 *days of obs = days btwn rando and death;
268 *HL 11/10/2010 - delete death section;
269 /*
270 else if final_status = 5 and subjfail = 2 then do;
271     *status = 2;
272     *redo - censoring women at death;
273     subj_status = 1;
274     subj_days = death_d - rando_dt;
275 end;
276 */
277 *if no subj failure and no death but lost;
278 *days of obs = days btwn rando and date of last visit prior to loss;
279 *HL 4/16/2010;
280 *only set to lost if lost before 12 month visit;
281 *HL 8/13/2010 - add TF12;
282 else if final_status in (2,3,4,5,6) and subjfail = 2 and last_visit in
("TF2W","TF6W","TF06","TF12") then do;
283     subj_status = 2;
284     subj_days = obsdays;
285 end;
286 *all others are continuing;
287 *days of obs = days btwn rando and cut date;
288 *****;
289 *NOTE: the subj_days should actually be cut to be at 12 month visit;
290 else do;
291     subj_status = 1;
292     subj_days = &cut - rando_dt;
293 end;
294 *end portion on subj failure;
295
296 *now add in the portion for any Obj and subj failure;
297 *if a woman has a failure report, then status is failure;
298 *presumably any failure report pre-dated date of death;
299 *days of observation = days between randomization and first failure;
300 if anyfail = 1 then do;
301     any_status = 3;
302     any_days = anyfail_d - rando_dt;
303 end;
304 *if died and no other failure;
305 *days of obs = days btwn rando and death;
306 *HL 11/10/2010 - delete death section;
307 /*
308 else if final_status = 5 and anyfail = 2 then do;
309     any_status = 1;
310     any_days = death_d - rando_dt;
311 end;

```

```

312 */
313 *if no failure and no death but lost;
314 *days of obs = days btwn rando and date of last visit prior to loss;
315 *HL 4/16/2010;
316 *only set to lost if lost before 12 month visit;
317 *HL 8/13/2010 - update with TF12;
318 else if final_status in (2,3,4,5,6) and anyfail = 2 and last_visit in
("TF2W","TF6W","TF06","TF12") then do;
319     any_status = 2;
320     any_days = obsdays;
321 end;
322 *all others are continuing;
323 *days of obs = days btwn rando and cut date;
324 else do;
325     any_status = 1;
326     any_days = &cut - rando_dt;
327 end;
328 *end portion on obj and subj failure;
329
330 *HL 9/30/2009 - UPDATED;
331 *now add in the portion for stress failure (as in SISTER);
332 *if a woman has a failure report, then status is failure;
333 *presumably any failure report pre-dated date of death;
334 *days of observation = days between randomization and first failure;
335 *HL 8/16/2010 - found a typo with stressdays, not stress_days;
336 if stressfail = 1 then do;
337     stress_status = 3;
338     stress_days = stressfail_d - rando_dt;
339 end;
340 *if died and no other failure;
341 *days of obs = days btwn rando and death;
342 *HL 11/10/2010 delete death section;
343 /*
344 else if final_status = 5 and stressfail = 2 then do;
345     stress_status = 1;
346     stress_days = death_d - rando_dt;
347 end;
348 */
349 *if no failure and no death but lost;
350 *days of obs = days btwn rando and date of last visit prior to loss;
351 *HL 4/16/2010;
352 *only set to lost if lost before 12 month visit;
353 *HL 8/13/2010 - update with TF12;
354 else if final_status in (2,3,4,5,6) and stressfail = 2 and last_visit in
("TF2W","TF6W","TF06","TF12") then do;
355     stress_status = 2;
356     stress_days = obsdays;
357 end;
358 *all others are continuing;
359 *days of obs = days btwn rando and cut date;
360 else do;
361     stress_status = 1;
362     stress_days = &cut - rando_dt;
363 end;
364 *end portion on stress failure;
365
366
367 *HL - 7/31/2009;
368 *information about cases that should not be included in the PP analysis;
369 *obtained from MM;
370 inelig = 2;
371 if master_id in ('111000012','131000069','131000252','131000956','131000752',
372 '142000335','151000572',
373 '172000101','172000156','191000123','191000407') then inelig = 1;
374 *updated deaths as of 8/13/2010;
375 death = 2;
376 if master_id in ('111000227','112000285','131000138','131000194','181000257') then death =
1;
377 crossover = 2;
378 if master_id in ('151000334','191000407') then crossover = 1;
379 nostudyproc = 2;

```



```

380 if master_id in ('141000300','181000100') then nostudyproc = 1;
381
382 *8/13/2010 - will need to update;
383 *although never used below in analysis;
384
385 *this assumes that anyone other than those who failed, was a success;
386 *e.g. lost to follow-up were successes;
387 objfail_01 = .;
388 if objfail = 2 then objfail_01 = 0;
389 else if objfail = 1 then objfail_01 = objfail;
390
391 subjfail_01 = .;
392 if subjfail = 2 then subjfail_01 = 0;
393 else if subjfail = 1 then subjfail_01 = subjfail;
394
395 *HL 9/14/2009;
396 anyfail_01 = .;
397 if anyfail = 2 then anyfail_01 = 0;
398 else if anyfail = 1 then anyfail_01 = anyfail;
399
400 *HL 9/30/2009;
401 stressfail_01 = .;
402 if stressfail = 2 then stressfail_01 = 0;
403 else if stressfail = 1 then stressfail_01 = stressfail;
404
405 *HL 9/10/2010;
406 etmfail_01 = .;
407 if etmfail = 2 then etmfail_01 = 0;
408 else if etmfail = 1 then etmfail_01 = etmfail;
409
410 trtm_01 = .;
411 if assignment = 2 then trtm_01 = 0;
412 else if assignment = 1 then trtm_01 = assignment;
413
414 *updated 8/16/2010;
415 *create discrete time points;
416 *for objective failure;
417 *note: for 12 month analysis, used 242 days (182 + 60) for designation between 6 and 12
months;
418 *NOTE: 8/20/2010 - even if change to 450, 510 days, still will have an issue with the
denominator unless do extensive
418! checking;
419 *so, think it makes sense to report <=425 days, same as SISTEr - 365 days + 60 day grace
period;
420 if objfail_01 = 1 then do;
421     obj_visit = 0;
422     if . < obj_days <= 242 then obj_visit = 6;
423     else if 242 < obj_days <= 425 then obj_visit = 12; *HL - 8/20/2010 - needs to be 450 to
match 12 month analysis;
424     else if obj_days > 425 then obj_visit = 24;
425 end;
426 else if objfail_01 = 0 then do;
427     obj_visit = 0;
428     if . < obj_days <= 242 then obj_visit = 6;
429     else if 242 < obj_days <= 425 then obj_visit = 12;
430     else if obj_days > 425 then obj_visit = 24;
431 end;
432
433 *for subjective failure;
434 if subjfail_01 = 1 then do;
435     subj_visit = 0;
436     if . < subj_days <= 242 then subj_visit = 6;
437     *else if master_id = "121000740" then subj_visit = 24; *HL - one exception - not
recorded at 12 months;
438     else if 242 < subj_days <= 425 then subj_visit = 12; *HL - 8/20/2010 - needs to be 510
to match 12 month analysis;
439     else if subj_days > 425 then subj_visit = 24;
440 end;
441 else if subjfail_01 = 0 then do;
442     subj_visit = 0;
443     if . < subj_days <= 242 then subj_visit = 6;

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```

444     else if 242 < subj_days <= 425 then subj_visit = 12;
445     else if subj_days > 425 then subj_visit = 24;
446 end;
447
448 *HL 9/14/2009;
449 *for any failure;
450 if anyfail_01 = 1 then do;
451     any_visit = 0;
452     if . < any_days <= 242 then any_visit = 6;
453     *else if master_id = "121000740" then subj_visit = 24; *HL - one exception - not
recorded at 12 months;
454     else if 242 < any_days <= 425 then any_visit = 12; *HL - 8/20/2010 - needs to be 510? to
match 12 month analysis;
455     else if any_days > 425 then any_visit = 24;
456 end;
457 else if anyfail_01 = 0 then do;
458     any_visit = 0;
459     if . < any_days <= 242 then any_visit = 6;
460     else if 242 < any_days <= 425 then any_visit = 12;
461     else if any_days > 425 then any_visit = 24;
462 end;
463
464 *HL 9/30/2009;
465 *for stress failure;
466 if stressfail_01 = 1 then do;
467     stress_visit = 0;
468     if . < stress_days <= 242 then stress_visit = 6;
469     else if 242 < stress_days <= 425 then stress_visit = 12;
470     else if stress_days > 425 then stress_visit = 24;
471 end;
472 else if stressfail_01 = 0 then do;
473     stress_visit = 0;
474     if . < stress_days <= 242 then stress_visit = 6;
475     else if 242 < stress_days <= 425 then stress_visit = 12;
476     else if stress_days > 425 then stress_visit = 24;
477 end;
478
479 *create variable for pp;
480 perprotocol = 1;
481 if inelig = 1 or crossover = 1 or nostudyproc = 1 then perprotocol = 0;
482
483 *HL 8/17/2010 - change coding for sensitivity variables from 0/1 to 1/2 to match objfail;
484
485 *HL 9/3/2009;
486 *create variables for sensitivity analysis;
487 *set all lost-to-fu to failures;
488 obj_sens_fail = .;
489 if obj_status = 2 then obj_sens_fail = 1;
490 else if obj_status = 3 then obj_sens_fail = 1;
491 else if obj_status = 1 then obj_sens_fail = 2;
492
493 *set all lost-to-fu to failures;
494 subj_sens_fail = .;
495 if subj_status = 2 then subj_sens_fail = 1;
496 else if subj_status = 3 then subj_sens_fail = 1;
497 else if subj_status = 1 then subj_sens_fail = 2;
498
499 *HL 9/14/2009;
500 any_sens_fail = .;
501 if any_status = 2 then any_sens_fail = 1;
502 else if any_status = 3 then any_sens_fail = 1;
503 else if any_status = 1 then any_sens_fail = 2;
504
505 *HL 9/30/2009;
506 stress_sens_fail = .;
507 if stress_status = 2 then stress_sens_fail = 1;
508 else if stress_status = 3 then stress_sens_fail = 1;
509 else if stress_status = 1 then stress_sens_fail = 2;
510
511 *HL 11/16/2009;
512 trtm_01n = .;

```

```

513 if trtm_01 = 1 then trtm_01n = 0;
514 else if trtm_01 = 0 then trtm_01n = 1;
515 objfail_01n = .;
516 if objfail_01 = 0 then objfail_01n = 1;
517 else if objfail_01 = 1 then objfail_01n = 0;
518 subjfail_01n = .;
519 if subjfail_01 = 0 then subjfail_01n = 1;
520 else if subjfail_01 = 1 then subjfail_01n = 0;
521 etmfail_01n = .;
522 if etmfail_01 = 0 then etmfail_01n = 1;
523 else if etmfail_01 = 1 then etmfail_01n = 0;
524 msgvlpp = .;
525 if vlpp_nored = . then msgvlpp = 1;
526 else if vlpp_nored ne . then msgvlpp = 0;
527 newvlpp = .;
528 if vlpp_nored = . then newvlpp = 118.86;
529 else if vlpp_nored ne . then newvlpp = vlpp_nored;
530 newvlppmax = .;
531 if vlpp_nored = . then newvlppmax = 266;
532 else if vlpp_nored ne . then newvlppmax = vlpp_nored;
533
534 *HL 11/16/2009 - to correctly calculate type of failure;
535 *set all missings to no;
536 if st_fail = . then st_failt = 2;
537 else if st_fail ne . then st_failt = st_fail;
538 if pad_fail = . then pad_failt = 2;
539 else if pad_fail ne . then pad_failt = pad_fail;
540 if retrm_fail = . then retrm_failt = 2;
541 else if retrm_fail ne . then retrm_failt = retrm_fail;
542 if mesa_fail = . then mesa_failt = 2;
543 else if mesa_fail ne . then mesa_failt = mesa_fail;
544 if vd_fail = . then vd_failt = 2;
545 else if vd_fail ne . then vd_failt = vd_fail;
546
547 label
548 st_failt = "st_fail with missing set to no"
549 pad_failt = "pad_fail with missing set to no"
550 retrm_failt = "retrm_fail with missing set to no"
551 mesa_failt = "mesa_fail with missing set to no"
552 vd_failt = "vd_fail with missing set to no"
553 trtm_01n = "1=TMUS, 0=RMUS"
554 objfail_01n = "objfail with 0 = fail, 1 = success"
555 subjfail_01n = "subjfail with 0 = fail, 1 = success"
556 etmfail_01n = "etmfail with 0 = fail, 1 = success"
557 msgvlpp = "indicator for if vlpp missing"
558 newvlpp = "set missing vlpp to mean value - 118.86"
559 newvlppmax = "set missing vlpp to max value - 266"
560 obj_sens_fail = "objfail with 2 = success, 1 = failure with lost-to-fu set to fail"
561 subj_sens_fail = "subjfail with 2 = success, 1 = failure with lost-to-fu set to fail"
562 any_sens_fail = "anyfail with 2 = success, 1 = failure with lost-to-fu set to fail"
563 stress_sens_fail = "stressfail with 2 = success, 1 = failure with lost-to-fu set to fail"
564 obj_visit = "visit at which objectively failed or censored"
565 subj_visit = "visit at which subjectively failed or censored"
566 any_visit = "visit at which any failed or censored"
567 stress_visit = "visit at which stress failed or censored"
568 trtm_01 = "assignment with 1 = RMUS, 0 = TMUS"
569 objfail_01 = "objfail with 0 = success, 1 = failure"
570 subjfail_01 = "subjfail with 0 = success, 1 = failure"
571 etmfail_01 = "etmfail with 0 = success, 1 = failure"
572 anyfail_01 = "anyfail with 0 = success, 1 = failure"
573 stressfail_01 = "stressfail with 0 = success, 1 = failure"
574 inelig = "ineligible per MM"
575 death = "death per MM"
576 crossover = "crossover per MM"
577 nostudyproc = "did not receive study procedure per MM"
578 anyfail_d = "date of first failure - obj or subj"
579 f394_comp_d = "f394 completion date"
580 any_status = "first obj or subj failure"
581 any_days = "days to first obj or subj failure"
582 anyfail_d = "date of first any failure"
583 stress_status = "first stress failure"

```

```

584 stress_days = "days to first stress failure"
585 stressfail_d = "date of first stress failure"
586 obj_status = "first objective failure"
587 obj_days = "days to first objective failure"
588 objfail_d = "date of first obj failure"
589 retrm_d = "date of first retreatment failure"
590 retrm_fail = "retreatment failure - surgery, medical, behav, device or other"
591 site = "clinical site"
592 subjfail_d = "date of first subj failure"
593 subj_status = "first subj failure"
594 subj_days = "days to first subj failure";
595
596 drop has310 i rand_days;
597 run;

```

NOTE: Character values have been converted to numeric values at the places given by:  
(Line):(Column).

```

411:4      412:9      412:39

```

NOTE: There were 597 observations read from the data set WORK.FAILURES.

NOTE: There were 6 observations read from the data set WORK.DEATH.

NOTE: There were 597 observations read from the data set WORK.F310.

NOTE: There were 595 observations read from the data set WORK.UDS.

NOTE: The data set WORK.FINLSTAT has 597 observations and 213 variables.

NOTE: DATA statement used (Total process time):

```

real time          0.49 seconds
cpu time           0.43 seconds

```

```

598
599 *****;
600 *ANALYSIS PP;
601 *****;
602
603 *****;
604 *analyze PP (exclude ineligible pts, no study procedure and crossovers);
605 *count deaths in analysis - censored at death;
606 /*
607 data pp;
608 set finlstat;
609 if perprotocol = 0 then delete;
610 run;
611 */;
612
613 data tomsfinal;
614   merge tmaid finlstat;
615   by master_id;
616
617   drop master_id st_fail_d mesa_fail_d pad_fail_d vd_fail_d surg_fail_d med_fail_d
618     behav_fail_d devic_fail_d other_fail_d retrm_d COMP_BY
619     st_fail mesa_fail pad_fail vd_fail surg_fail med_fail behav_fail device_fail other_fail
620     FAIL ASSOC FAIL_VISIT OTHR_FAIL SP PI SIG PI_INIT PI SIG D FORMSTAT ID DESTATUS PRIOR_06
621     visit f394_comp_d COMP_D LAST_VISIT FINAL_STATUS ADMIN_SPEC LOST_D DOC_FU_1 DOC_FU_2
DOC_FU_3
622     CONS_WDRAW WDRAW_D ADMIN_D ADD_COMM CONT_TREAT date dropout GRP_SITE_ID CONSENT_D
BIRTHDATE
623     rando_dt CONFIRMATION_NO BLINDED_ID TMUS_RETREAT E_CONSENT E_CONS_D REP_BLOOD_CONS_D
ETOM_ENROLL
624     ETOM_ENROLL_D UDS_SITE_ID REP_URINE_CONS_D F34R_U_COLL_D F32R_B_COLL_D REP_MANUAL_ENTRY
625     obsdate objfail_d subjfail_d etmfail_d anyfail_d stressfail_d SURG_DATE comp_d 310
WHICH_SURG
626     PRIM_SURG P_SURG_INIT OTH_SURG UT_LIG_SUS SAC_LIG_SUS ILI_SUS ANT_COL VAG_PAR_REP
ST_POST_COL
627     DEF_POST_REP POST_REP VAG_HYST OOPH DIFF_SURG DIFF_SURG_SP OP_INC_F OP_INC_L SLING_INC_F
SLING_INC_L
628     GEN_ANES SPIN_ANES EPI_ANES SED_ANES LOC_ANES L_ANES_OB L_ANES_AB L_ANES_VAG MED_NAME
MED_EPI ANTI_PRIOR
629     ANTI_ADM_T ADDL_DOSE ADDL_DOSE_SP RETRO_HYDRO EBL_CASE EBL_SLING PI_VASO D_PRESSURE
PACKING SUTURE
630     INC_EXTENDED I_EXT_DESC BLOOD_TRANS NUM_AUT NUM_NONAUT VAG_EPI_PERF CYST_RESULTS
BLAD_PER BP_LOC_LAT
631     BP_LOC_DOME BP_LOC_TRIG BP_TROCAR BP_TRO_DES URETH_PER UP_TROCAR UP_TROCAR_D AE_SURG

```

```

SURG_SIG SURG_SIG_D
632 BL_OTHER BL_OTHER_DES EVENT_NUM EVENT_CODE CODE99_SPEC RS_ID RS_ORDER DEATH_D DEATH_T
CAUSE SOURCE
633 PROC_RELATE NARRATIVE rand_days SITE_ID site assignment randyrmo;
634
635 label sitename = "Site";
636 label perprotocol = "perprotocol with 1=yes, 0=no";
637 label etmfail = "etmfail with 1 = fail, 2 = success";
638 label vlpp90 = "1 = vlpp_nored > 90 vs. 0 = no";
639 label vlpp3 = "3 categories VLPP";
640
641
642 format trtm_01n trtm_01nf.;
643 format objfail_01n subjfail_01n etmfail_01n failnf.;
644 format msgvlpp msgvlppf.;
645
646 *format inelig death crossover nostudyproc perprotocol yesnof.;
647
648 format obj_status any_status subj_status stress_status ltstatf. ;
649 format reترم_fail retropubic concomsx usi usinoinvalid perprotocol yna.;
650 format inelig death crossover nostudyproc
651 st_failt pad_failt reترم_failt mesa_failt vd_failt ynb.;
652
653 format objfail subjfail etmfail anyfail stressfail obj_sens_fail subj_sens_fail
any_sens_fail stress_sens_fail failnfb.;
654
655 format objfail_01 subjfail_01 anyfail_01 stressfail_01 etmfail_01 failnfc.;
656
657 format trtm_01 trtm_01f.;
658
659 run;

```

```

NOTE: There were 597 observations read from the data set WORK.TMAID.
NOTE: There were 597 observations read from the data set WORK.FINLSTAT.
NOTE: The data set WORK.TOMUSFINAL has 597 observations and 66 variables.
NOTE: DATA statement used (Total process time):
      real time           0.23 seconds
      cpu time            0.14 seconds

```