```
/*Evaluation of FLuorometholone as Adjunctive MEdical Therapy for Trachomatous Trichiasis Surgery: The FLAME Randomized
Controlled Clinical Trial*/
/*purpose: summary baseline eye characteristics by randomized treatment groups*/
/*Note: raw datasets in SAS library 'in' corresponds to the shared data file in xlsx format, their relationship are as below:
in.Baselineinfo - DS
in.eligibility2 - EL
in.eyeexam_baseline - BE*/

/*set up SAS library, TLF path, TLF title, format catalog which will be used in later analysis*/
%include "setup.sas";
libname in "&_root_in";
libname fm "&_root_fm";
libname data "&_root_data";
%let TLF_path = &_root_output\tb2_ocular_characteristics.rtf;
%let TLF_title = Table 2:  Baseline ocular characteristics of study eyes by randomized treatment groups;

OPTIONS FMTSEARCH=(fm.fmsurgery fm.fmbaseline fm.fmelig fm.fmbaseexam);
option mprint;

/*set up variable format for visualization*/
proc format;
        value gf  0 = "Placebo" 1 = "FML";
        value surgeryf 0='BLTR'
                       1='PLTR'
                       9='No surgery due to withdrawal';
        value surgeryo 1='BLTR'
                       2='PLTR'
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                    3='No surgery due to withdrawal';
value $bevaf '20/20'='20/20'
                    '20/25 – 20/40'='20/25 – 20/40'
                    '20/50 – 20/63'='20/50 – 20/63'
                    '20/80 – 20/160'='20/80 – 20/160'
                    '20/200 - 20/400'='20/200 - 20/400'
                    'Worse than 20/400'='Worse than 20/400';
value bevao 1='20/20'
                    2='20/25 – 20/40'
                    3='20/50 – 20/63'
                    4='20/80 – 20/160'
                    5='20/200 - 20/400'
                    6='Worse than 20/400';
invalue beva '20/20'=0
                     '20/25 – 20/40'=1
                     '20/50 – 20/63'=2
                     '20/80 – 20/160'=3
                     '20/200 - 20/400'=4
                     'Worse than 20/400'=5;
value $becorneaf 'No trichiasis'='No trichiasis'
                        'Zero (epilating)'='Zero (epilating)'
                        '1-5'='1-5'
                        '6 or more'='6 or more';
value becorneao 1='No trichiasis'
                        2='Zero (epilating)'
                        3='1-5'
                        4='6 or more';
```

```
invalue becornea 'No trichiasis'=0
                                 'Zero (epilating)'=1
                                 '1-5'=2
                                 '6 or more'=3;
value $totallashf '0'='0 (epilating)'
                                 '1-5'='1-5'
                                 '6-9'='6-9'
                                 '10-19'='10-19'
                                 '20+'='20+';
value totallasho 1='0 (epilating)'
                                 2='1-5'
                                 3='6-9'
                                 4='10-19'
                                 5='20+';
invalue totallash '0'=0
                                 '1-5'=1
                                 '6-9'=2
                                 '10-19'=3
                                 '20+'=4;
value beepilationf 0='None'
                                  1='<1/3 of the lid margin'
                                  2='>=1/3 to <= 2/3 of the lid margin'
                                  3='>2/3 of the lid margin';
value beepilationo 1='None'
                                  2='<1/3 of the lid margin'
                                  3='>=1/3 to <= 2/3 of the lid margin'
                                  4='>2/3 of the lid margin';
```

```
value trichsevf 1='Severe: (total number of lashes >=6, or epilation >=1/3)'
                                0='Not severe';
value trichsevo 1='Severe: (total number of lashes >=6, or epilation >=1/3)'
                                2='Not severe';
value beentropionf 0='E0: None'
                                 1='E1: Mild'
                                 2='E2: Moderate'
                                 3='E3: Severe'
                                 4='E4: Total';
value beentropiono 1='E0: None'
                                 2='E1: Mild'
                                 3='E2: Moderate'
                                 4='E3: Severe'
                                 5='E4: Total';
value beconjunctf 0='CM0: None'
                                1='CM1: posterior to the line of meibomian gland'
                                2='CM2: less than 50% of the lid'
                                3='CM3: greater than 50% of the lid';
value beconjuncto 1='CM0: None'
                                2='CM1: posterior to the line of meibomian gland'
                                3='CM2: less than 50% of the lid'
                                4='CM3: greater than 50% of the lid';
value ynf 0 = "No" 1 = "Yes";
value yno 1='No' 2='Yes';
value becornealscarf 0='C0:  None'
                                     1='C1: Peripheral'
                                     2='C2a: Off center faint'
```

3='C2b: Off center dense'
4='C2c: Central faint'
5='C2d: Central dense'
6='C3: Total/central dense'
7='C4: Phthisis';
value becornealscaro **1**='C0: None'
2='C1: Peripheral'
3='C2a: Off center faint'
4='C2b: Off center dense'
5='C2c: Central faint'
6='C2d: Central dense'
7='C3: Total/central dense'
8='C4: Phthisis';
value bepapillaf **0**='P0: Absent'
1='P1: Minimal'
2='P2: Moderate'
3='P3: Pronounced';
value bepapillao **1**='P0: Absent'
2='P1: Minimal'
3='P2: Moderate'
4='P3: Pronounced';
value beconjf **0**='S0: None'
1='S1: Mild'
2='S2: Moderate'
3='S3: Severe';
value beconjo **1**='S0: None'
2='S1: Mild'

```
                    3='S2: Moderate'
                    4='S3: Severe';
invalue tab_order 'sisurgery_ul_n'=1
                        'bevac_n'=2
                        'becornea_ul'=3
                        'becornea_ulc_n'=3
                        'total_lash'=4
                        'total_lashc_n'=4
                        'beepilation_ul'=5
                        'trich_sev'=6
                        'beentropion_ul'=7
                        'beconjunct_ul'=8
                        'TT_ll'=9
                        'becornealscar'=10
                        'bepapilla_ul'=11
                        'beconj_no_surg_ul'=12
                        'beserous'=13
                        'bepurulent'=13
                        'befoamy'=13
                        'eliopmedian'=14
                        'mhcataeye'=15
                        'mhsurgeye'=16
                        'mhinjeye'=17
                        'beconjinf'=18;
value pval (default=8)
        low - <0.00095 = '<0.001'
        0.00095 - <0.0095 = [8.3]
```

```
                0.0095 - <0.045 = [8.2]
                0.045 - <0.0495 = [8.3]
                0.0495 - <0.04995 = [8.4]
                0.04995 - <0.05 = '~<0.05'
                0.05 = '0.05'
                0.05< - <0.05005 = '~>0.05'
                0.05005 - <0.0505 = [8.4]
                0.0505 - <0.055 = [8.3]
                0.055 - 0.99 = [8.2]
                0.99< - high = [8.2];
run;

* combine covariate used for analysis;
proc sql;
        create table tbl2_data_1 as
        select root.subjid, root.sisurgery_rul, root.sisurgery_lul, c.redcap_event_name,
                a.mhcataeye_r,a.mhcataeye_l,a.mhsurgeye_r,a.mhsurgeye_l,a.mhinjeye_r,a.mhinjeye_l,
                b.eliopmedian_r,b.eliopmedian_l,

c.beva_r,c.bevisual_r,c.beva_l,c.bevisual_l,c.beserous_r,c.bepurulent_r,c.befoamy_r,c.beserous_l,c.bepurulent_l,c.befoamy_l,

c.becornea_rul,c.bemedial_rul,c.belateral_rul,c.becornea_lul,c.bemedial_lul,c.belateral_lul,c.betrich_rul,c.betrich_lul,

c.becornea_rll,c.bemedial_rll,c.belateral_rll,c.becornea_lll,c.bemedial_lll,c.belateral_lll,c.beepilation_rll,c.beepilation_lll,
                c.beepilation_rul,c.beepilation_lul,c.beentropion_rul,c.beentropion_lul,c.beconjunct_lul,c.beconjunct_rul,

c.becornealscar_r,c.becornealscar_l,c.bepapilla_rul,c.bepapilla_lul,c.beconj_no_surg_rul,c.beconj_no_surg_lul,
```

```
            c.becataract_r,c.becataract_l,c.beconjinf_r,c.beconjinf_l
        from data.rand as root
        left join in.Baselineinfo as a
        on root.subjid=a.subjid
        left join in.eligibility2 as b
        on root.subjid=b.subjectid
        left join in.eyeexam_baseline as c
        on root.subjid=c.subjid;
quit;
%proc_reshape(indata = tbl2_data_1,memname="TBL2_DATA_1",outdata=tbl2_data_reshape);

proc sql;
        create table data.tbl2_data as
        select a.subjid, root.treat,a.eye,
                a.sisurgery_ul,
                case when .<beva<=0 then '20/20'
                        when 0<beva<=0.3 then '20/25 – 20/40'
                        when 0.3<beva<=0.5 then '20/50 – 20/63'
                        when 0.5<beva<1 then '20/80 – 20/160'
                        when 1<=beva<=1.3 then '20/200 - 20/400'
                        when beva>1.3 then 'Worse than 20/400' end as bevac,
                becornea_ul,
                case when becornea_ul=0 and beepilation_ul<=0 then 'No trichiasis'
                        when becornea_ul=0 and beepilation_ul in (1,2,3) then 'Zero (epilating)'
                        when 1<=becornea_ul<=5 then '1-5'
                        when 5<becornea_ul then '6 or more' end as becornea_ulc,
                sum(becornea_ul,bemedial_ul,belateral_ul) as total_lash,
```

```
                case when sum(becornea_ul,bemedial_ul,belateral_ul)=0 then '0'
                        when 1<=sum(becornea_ul,bemedial_ul,belateral_ul)<=5 then '1-5'
                        when 5<sum(becornea_ul,bemedial_ul,belateral_ul)<=9 then '6-9'
                        when 9<sum(becornea_ul,bemedial_ul,belateral_ul)<=19 then '10-19'
                        when 19<sum(becornea_ul,bemedial_ul,belateral_ul) then '20+' end as total_lashc,
                beepilation_ul,
                case when sum(becornea_ul,bemedial_ul,belateral_ul)>=6 or beepilation_ul in (2,3) then 1
                        when .<sum(becornea_ul,bemedial_ul,belateral_ul)<6 and beepilation_ul in (0,1) then 0 end as
trich_sev,
                beentropion_ul,beconjunct_ul,
                case when sum(becornea_ll,bemedial_ll,belateral_ll)>0 or beepilation_ll in (1,2,3) then 1
                        when sum(becornea_ll,bemedial_ll,belateral_ll)=0 and beepilation_ll=0 then 0 end as TT_ll,
                becornealscar,bepapilla_ul,beconj_no_surg_ul,
                beserous,bepurulent,befoamy,a.eliopmedian,
                case when a.mhcataeye in (1,2) then 1 else 0 end as mhcataeye,
                case when a.mhsurgeye in (1,2) then 1 else 0 end as mhsurgeye,
                case when a.mhinjeye in (1,2) then 1 else 0 end as mhinjeye,
                a.becataract,a.beconjinf
        from tbl2_data_reshape as a
        inner join in.eligibility2 as b
        on a.subjid=b.subjectid and ((a.eye='OS' and b.elelig_l=1) or (a.eye='OD' and b.elelig_r=1))
        left join data.rand as root
        on a.subjid=root.subjid;
quit;

* # of eyes in each group;
proc sql noprint;
```

```
select count(*) into :t0_eye
                from data.tbl2_data
                where treat = 0;
select count(*) into :t1_eye
                from data.tbl2_data
                where treat = 1;
quit;
%put &t0_eye;
%put &t1_eye;

* descriptive statistics, hypothesis test and model building;
%stat_char(input=data.tbl2_data,output=tab_1_1,unit=eye,variable=sisurgery_ul,min=1,max=3,cohort=treat,ref=Placebo,que
stionlabel=Type of TT
surgery,tab_order=1,value_label=surgeryf,order_label=surgeryo,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=0,chi=
0,fisher=0);
data tbl2_data;
        set data.tbl2_data;
        if sisurgery_ul=9 then sisurgery_ul=.;
run;
%stat_char(input=tbl2_data,output=tab_1_2,unit=eye,variable=sisurgery_ul,min=1,max=2,cohort=treat,ref=Placebo,question
label=,tab_order=1,value_label=surgeryf,order_label=surgeryo,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,
fisher=0);
proc sql;
        create table tab_1 as
        select distinct a.*,b.pvalue
        from tab_1_1 as a
        left join tab_1_2 as b
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        on a.answer_order^=0
        order by a.answer_order;
quit;
%stat_char(input=data.tbl2_data,output=tab_2,unit=eye,variable=bevac,min=1,max=6,cohort=treat,ref=Placebo,questionlabel=Presenting Visual
acuity,tab_order=2,value_label=$bevaf,order_label=bevao,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
%stat_num(input=data.tbl2_data,output=tab_3_1,variable=becornea_ul,cohort=treat,ref=Placebo,questionlabel=,tab_order=3,id=subjid,gee_linear=0,pois=1,ttest=0,anova=0,wilcoxon_rank_sum=0,kruskal_wallis=0);
%stat_char(input=data.tbl2_data,output=tab_3_2,unit=eye,variable=becornea_ulc,min=1,max=4,cohort=treat,ref=Placebo,questionlabel=Number of upper eyelid lashes touching the
cornea,tab_order=3,value_label=$becorneaf,order_label=becorneao,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
data tab_3;
        format answerlabel $200.;
        set tab_3_1(in=a) tab_3_2(in=b);
        if a and index(answerlabel,'Mean (SD)')=0 then delete;
        else if a then do; answer_order=0.5; answerlabel='  Mean (SD)'; end;
run;
proc sort data=tab_3; by answer_order; run;
%stat_num(input=data.tbl2_data,output=tab_4_1,variable=total_lash,cohort=treat,ref=Placebo,questionlabel=,tab_order=4,id=subjid,gee_linear=0,pois=1,ttest=0,anova=0,wilcoxon_rank_sum=0,kruskal_wallis=0);
%stat_char(input=data.tbl2_data,output=tab_4_2,unit=eye,variable=total_lashc,min=1,max=5,cohort=treat,ref=Placebo,questionlabel=Total number of upper eyelid lashes touching the globe or the
cornea,tab_order=4,value_label=$totallashf,order_label=totallasho,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
data tab_4;
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```
        format answerlabel $200.;
        set tab_4_1(in=a) tab_4_2(in=b);
        if a and index(answerlabel,'Mean (SD)')=0 then delete;
        else if a then do; answer_order=0.5; answerlabel='  Mean (SD)'; end;
run;
proc sort data=tab_4; by answer_order; run;
%stat_char(input=data.tbl2_data,output=tab_5,unit=eye,variable=beepilation_ul,min=1,max=4,cohort=treat,ref=Placebo,questionlabel=Evidence/extent of epilation in the upper eyelid,tab_order=5,value_label=beepilationf,order_label=beepilationo,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_6,unit=eye,variable=trich_sev,min=1,max=2,cohort=treat,ref=Placebo,questionlabel=Severity of upper eyelid trichiasis,tab_order=6,value_label=trichsevf,order_label=trichsevo,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_7,unit=eye,variable=beentropion_ul,min=1,max=5,cohort=treat,ref=Placebo,questionlabel=Upper Eyelid Entropion,tab_order=7,value_label=beentropionf,order_label=beentropiono,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_8,unit=eye,variable=beconjunct_ul,min=1,max=4,cohort=treat,ref=Placebo,questionlabel=Conjunctivalization of the lid margin grade,tab_order=8,value_label=beconjunctf,order_label=beconjuncto,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_9,unit=eye,variable=TT_ll,min=1,max=2,cohort=treat,ref=Placebo,questionlabel=Trachomatous trichiasis at lower eyelid*,tab_order=9,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_10,unit=eye,variable=becornealscar,min=1,max=8,cohort=treat,ref=Placebo,questionlabel=Corneal
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opacity,tab_order=10,value_label=becornealscarf,order_label=becornealscaro,id=subjid,gee_binomial=0,gee_multinomial=0,
reverse=1,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_11,unit=eye,variable=bepapilla_ul,min=1,max=4,cohort=treat,ref=Placebo,que
stionlabel=Upper eyelid papillary
hypertrophy,tab_order=11,value_label=bepapillaf,order_label=bepapillao,id=subjid,gee_binomial=0,gee_multinomial=0,rever
se=1,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_12,unit=eye,variable=beconj_no_surg_ul,min=1,max=4,cohort=treat,ref=Placeb
o,questionlabel=Upper eyelid conjunctival
scarring,tab_order=12,value_label=beconjf,order_label=beconjo,id=subjid,gee_binomial=0,gee_multinomial=0,reverse=1,chi
=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_13_1,unit=eye,variable=beserous,min=2,max=2,cohort=treat,ref=Placebo,ques
tionlabel=Ocular surface
discharge,tab_order=13,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fishe
r=0);
%stat_char(input=data.tbl2_data,output=tab_13_2,unit=eye,variable=bepurulent,min=2,max=2,cohort=treat,ref=Placebo,que
stionlabel=,tab_order=13,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fish
er=0);
%stat_char(input=data.tbl2_data,output=tab_13_3,unit=eye,variable=befoamy,min=2,max=2,cohort=treat,ref=Placebo,questi
onlabel=,tab_order=13,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher
=0);
data tab_13;
        format answerlabel $200.;
        set tab_13_1(in=a) tab_13_2(in=b) tab_13_3(in=c);
        if a and answer_order=2 then do; answerlabel='  Serous (%)'; end;
        if b then do; answer_order=3; answerlabel='  Purulent (%)'; end;
        if c then do; answer_order=4; answerlabel='  Foamy (%)'; end;
run;
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```
proc sort data=tab_13; by answer_order; run;
%stat_num(input=data.tbl2_data,output=tab_14,variable=eliopmedian,cohort=treat,ref=Placebo,questionlabel=,tab_order=14,id=subjid,gee_linear=1,pois=0,ttest=0,anova=0,wilcoxon_rank_sum=0,kruskal_wallis=0);
%stat_char(input=data.tbl2_data,output=tab_15,unit=eye,variable=mhcataeye,min=2,max=2,cohort=treat,ref=Placebo,questionlabel=,tab_order=15,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
*%stat_char(input=data.tbl2_data,output=tab_15,unit=eye,variable=becataract,min=1,max=2,cohort=treat,ref=Placebo,questionlabel=,tab_order=15,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_16,unit=eye,variable=mhsurgeye,min=2,max=2,cohort=treat,ref=Placebo,questionlabel=,tab_order=16,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_17,unit=eye,variable=mhinjeye,min=2,max=2,cohort=treat,ref=Placebo,questionlabel=,tab_order=17,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);
%stat_char(input=data.tbl2_data,output=tab_18,unit=eye,variable=beconjinf,min=1,max=2,cohort=treat,ref=Placebo,questionlabel=Conjunctival
Infection,tab_order=18,value_label=ynf,order_label=yno,id=subjid,gee_binomial=1,gee_multinomial=0,reverse=0,chi=0,fisher=0);

data tbl2_result;
        format answerlabel cohort_0 cohort_1 $200.;
        set tab_1 tab_2 tab_3 tab_4 tab_5 tab_6 tab_7 tab_8 tab_9 tab_10
                tab_11 tab_12 tab_13 tab_14(in=a) tab_15(in=b) tab_16(in=c) tab_17(in=d) tab_18;
                if a and index(answerlabel,'Mean (SD)')=0 then delete;
                if a then answerlabel='IOP (mmHg): mean (SD)';
                if b then answerlabel='Diagnosed with cataract: Yes (%)';
```

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            if c then answerlabel='Previous eye surgery: Yes (%)';
            if d then answerlabel='Previous eye injury: Yes (%)';
run;

/*SMD calculation*/
data tbl2_data_;
    set data.tbl2_data;
    fakewt=1;
    if sisurgery_ul=9 then sisurgery_ul_n=.;
    else sisurgery_ul_n=sisurgery_ul;
    bevac_n=input(bevac,beva.);
    becornea_ulc_n=input(becornea_ulc,becornea.);
    total_lashc_n=input(total_lashc,totallash.);
run;
/*for continuous variables, check skewness to see if need rank-based mean and SD to calculate stddif*/
/*Positive Skewness: if skewness > 0, data is positively skewed, otherwise negative*/
/*if skewness < -1 or >+1, the distribution is highly skewed
if skewness is between -1 and -0.5 or between 0.5 and +1, the distribution is moderately skewed
if skewness > -0.5 and < 0.5, the distribution is approximately symmetric or normal*/
proc univariate data=tbl2_data_;
    class treat;
    var becornea_ul total_lash eliopmedian;
    ods select moments;
run;
proc sgplot data=tbl2_data_;
histogram becornea_ul / group=treat transparency=0.5;
run;
```

```
proc sgplot data=tbl2_data_;
histogram total_lash / group=treat transparency=0.5;
run;
proc sgplot data=tbl2_data_;
histogram eliopmedian / group=treat transparency=0.5;
run;

%stddiff( inds = tbl2_data_,
          groupvar = treat,
          numvars = becornea_ul/r total_lash/r eliopmedian,
          charvars = sisurgery_ul_n bevac_n becornea_ulc_n total_lashc_n beepilation_ul trich_sev beentropion_ul
beconjunct_ul TT_ll becornealscar bepapilla_ul beconj_no_surg_ul beserous bepurulent befoamy mhcataeye mhsurgeye
mhinjeye beconjinf,
          wtvar = fakewt,
          stdfmt = 8.4,
          outds = stddiff_result );

data stddiff_result;
    set stddiff_result;
    tab_order=input(varname,tab_order.);
    if tab_order in (3,4) and upcase(varname) in ('BECORNEA_UL','TOTAL_LASH') then answer_order=0.5;
    else if tab_order in (3,4) then answer_order=1;
    if tab_order=13 and upcase(varname)='BESEROUS' then answer_order=2;
    else if tab_order=13 and upcase(varname)='BEPURULENT' then answer_order=3;
    else if tab_order=13 and upcase(varname)='BEFOAMY' then answer_order=4;
run;
```

```
proc sql;
	create table data.tbl2_result as
	select a.*,
		put(round(input(b.Stddiff,best.),0.01),8.2) as Stddiff
	from tbl2_result as a
	left join stddiff_result as b
	on a.tab_order=b.tab_order and (b.answer_order=. or (b.answer_order^=. and a.answer_order=b.answer_order))
	order by a.tab_order, a.answer_order;
quit;

/*generate table*/
options nodate nonumber;
ods rtf file = "&TLF_path";
ods escapechar='~';
ods rtf text="~S={just=l font_size=10pt font_weight= bold} &TLF_title";
proc report data=data.tbl2_result nowd spanrows split='|' missing style(column)={background=white fontsize=9pt}

style(header)={background=white fontsize=9pt fontweight=medium};
	columns tab_order answer_order answerlabel cohort_0 cohort_1 /*pvalue*/ Stddiff;
	define tab_order  / ' ' order order=internal noprint;
	define answer_order  / ' ' order order=internal noprint;
	define answerlabel / 'Baseline participant characteristics' left style(column)={cellwidth=2.3in asis=ON}
style(header)={just=l};
	define cohort_0 / "Placebo|(N=%trim(&t0_eye) study eyes)" center style(column)={cellwidth=1.9in};
	define cohort_1 / "FLuorometholone|(N=%trim(&t1_eye) study eyes)" center style(column)={cellwidth=1.9in};
	*define pvalue / 'P-value' center group style(column)={cellwidth=1.2in};
	define Stddiff / 'SMD' center group style(column)={cellwidth=1.5in};
```

```
run ;
ods rtf text="~S={just=l font_size=9pt} TT=trachomatous trichiasis; BLTR=bilamellar tarsal rotation; PLTR=Posterior Lamellar Tarsal Rotation; IOP=intraocular pressure; SMD=Standardized Mean Difference.";
ods rtf text="~S={just=l font_size=9pt} *TT is defined as one or more eyelashes touching the eye or evidence of epilation.";
*ods rtf text="~S={just=l} *From generalized regression models that accounted for the inter-eye correlation.";
*ods rtf text="~S={just=l} *Two-sample t-test for comparison of means, chi-squared test for comparison of proportions, wilcoxon rank sum tests for skewed data.";
ods rtf close;

libname in clear;
libname fm clear;

proc datasets library=work nolist kill;
quit;
```