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*****;
* Project          : ZRHM-REXA-07-JP
*
* Program name     : t1502044602_ZRHM-REXA-07_V1.sas
*
* Author           : M. SUN
*
* Date created     : 06/18/2015
*
* Purpose          : Table 15.2.4.46.2 Descriptive Statistics of Ames Mutagenicity Test (YG1024+S9) (units)  FAS
*
* Revision History :
*
* Date            Author      Ref      Revision (Date in YYYYMMDD format)
*
*****;

%let prgname=T1502044602_ZRHM_REXA_07_JP_V1;

options mprint;
ods escapechar='^';

options sasautos=("W:\pmp07\macros" sasautos) notes;
%init(delivery=9);
%titlecsv(prgname=&prgname., version=5);
%put &endpoint;

options missing="";

%t_desc_ms_1(par=UAMES,pop=fas,period=%str(1,4),chg=PCHG,sec=1);
%t_desc_ms_1(par=UAMES24U,pop=fas,period=%str(1,4),chg=PCHG,sec=2);

%macro doreport;
data final;
  set UAMES UAMES24U;
  by sec period apuper avisitn atptn;
  array cols col:;
  do over cols;
    cols=strip(cols);
  end;
  IF ord=3 THEN DELETE;
  if period>1 and atime='Baseline' then delete;
run;

data final;
  set final;
  by sec period apuper avisitn atptn;
  if first.atptn then pagen+1;
  /*
  if first.atptn then ctpg+1;
  if ctpg>2 or first.period then do;
    pagen+1;
    ctpg=1;
  end;
  */
run;

data final;
  set final end=eof;
  by pagen;
  if eof then call symputx("totalpage",pagen);
run;

data odata.&prgname.;
retain pagen para apuper avisitn atptn atime ord stat col11 col12 col21 col22 col31 col32;
set final;
run;

%trtrtfpg(pgmname=&outname., pgmid=1, new=0, style=, bookmark=%lowercase(&outname.));

%do i=1 %to &totalpage;

data final&i;
  set final;
  where pagen=&i;
  call symputx("period",period);
  call symputx("getpara",para);
  call symputx("sec",sec);
run;

title; footnote;
/*
title1 bold j=1 "&title1 &title2";
title2 " ";

title3 j=1 h=9pt "Parameter (units): &getpara";

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title4 j=1 h=9pt "Product Use Time Period: Period &period";

footnote1 bold h=12pt " ";
footnote2 j=1 h=9pt "Note: mCC = Menthol conventional cigarettes; SA = Smoking abstinence; THSm2.2 = Tobacco Heating Sys
tem 2.2 Menthol.";
footnote3 j=1 h=9pt "Note: * % change from baseline, where baseline is defined as the last assessment prior to first ran
domized product use "
"in mCC / THS 2.2 Menthol arms or the last assessment prior to 10 AM on Day 1 in the SA arm.";
footnote4 j=1 h=9pt " ";
footnote5 h=9pt j=1 "&APPENDIX.";
footnote6 h=9pt j=1 "Study ID:ZRHM-REXA-07-JP          Program: &prgname..sas          Status: &repversion./&fdate.
Page: &i. of &totalpage";
*/

proc report data=final&i headskip headline nowd split='~' style=[outputwidth=100%] style(header column)=[protectspecial
chars=off];
%if &sec=1 %then %do;
    column pagen apuper avisitn atptn atime ord stat ("^R/RTF'\brdrb\brdrs ' THSm2.2~(N=&&totn&period.1)" col11 col12) ("^
R/RTF'\brdrb\brdrs ' mCC~(N=&&totn&period.2)" col21 col22)
    ("^R/RTF'\brdrb\brdrs ' SA~(N=&&totn&period.3)" col31 col32);
    define pagen /order order=internal noprint;
    define apuper /order order=internal noprint;
    define avisitn /order order=internal noprint;
    define atptn /order order=internal noprint;
    define atime /order "Timepoint" style(column)=[cellwidth=8% just=l] style(header)=[just=l];
    define ord /order order=internal noprint;
    define stat /display "Statistic" style(column)=[cellwidth=17% just=l vjust=b] style(header)=[just=l];
    define col11 /display "Value" style(column)=[cellwidth=10% just=c vjust=b];
    define col12 /display "% Change(*)" style(column)=[cellwidth=10% just=c vjust=b];
    define col21 /display "Value" style(column)=[cellwidth=10% just=c vjust=b];
    define col22 /display "% Change(*)" style(column)=[cellwidth=10% just=c vjust=b];
    define col31 /display "Value" style(column)=[cellwidth=10% just=c vjust=b];
    define col32 /display "% Change(*)" style(column)=[cellwidth=10% just=c vjust=b];
%end;
%else %do;
    column pagen apuper avisitn atptn atime ord stat col11 col21 col31;
    define pagen /order order=internal noprint;
    define apuper /order order=internal noprint;
    define avisitn /order order=internal noprint;
    define atptn /order order=internal noprint;
    define atime /order "Timepoint" style(column)=[cellwidth=11% just=l] style(header)=[just=l];
    define ord /order order=internal noprint;
    define stat /display "Statistic" style(column)=[cellwidth=17% just=l vjust=b] style(header)=[just=l];
    define col11 /display "THSm2.2~(N=&&totn&period.1)" style(column)=[cellwidth=9% just=c vjust=b];
    define col21 /display "mCC~(N=&&totn&period.2)" style(column)=[cellwidth=9% just=c vjust=b];
    define col31 /display "SA~(N=&&totn&period.3)" style(column)=[cellwidth=9% just=c vjust=b];
%end;

COMPUTE before pagen;
LINE @1 " ";
ENDCOMP;

COMPUTE after atptn;
LINE @1 " ";
ENDCOMP;

compute before _page_ /style=[fontweight=bold fontsize=3.75];
line @1 "&title1 &title2";
line @1 " ";
line @1 "Parameter (units): &getpara";
line @1 "^R/RTF'\brdrb\brdrs\brdrw30\brsp20\b ' ";
endcomp;

compute after _page_/style=[fontsize=1.75];
line @1 "Note: mCC = Menthol conventional cigarettes; SA = Smoking abstinence; THSm2.2 = Tobacco Heating System 2.2 Ment
hol.";
line @1 "Note: * % change from baseline, where baseline is defined as the last assessment prior to first randomized prod
uct use "
"in mCC / THS 2.2 Menthol arms or the last assessment prior to 10 AM on Day 1 in the SA arm.";
line @1 "Note: Periods defined as Period 1 ([Day 1 ¶ Day 6 confinement]), Period 2 ([Day 6 ambulatory ¶ Day 30 Visit]),
"
"Period 3 ([Day 30 Visit ¶ Day 60 Visit]) and Period 4 ([Day 60 Visit ¶ Day 90 Visit]).";
line @1 "Note: NC = Not calculated";
line @1 " ";
line @1 "&APPENDIX.";
line @1 "Study ID:ZRHM-REXA-07-JP          Program: &fprgname..sas          Status: &repversion./&fdate.          Page: &i.
of &totalpage";

endcomp;

run;

%end;

ods listing;

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ods rtf close;  
%mend;
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%doreport;
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