

```

/*=====
=====*

| Covance Study Number   : 000000106331          |
| Program Name           : d_adpp.sas             |
| Purpose                 : Program to ADPP dataset |
| Input Data              : ADAM.ADSL, SDTM.PP,     |
| Output Data             : ADAM.ADPP              |
| Macros Called           :                       |
| Originally Performed by : Paddepal               |
| Date                    : 30MAR2015              |
|                          |                       |
|=====
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| Modification History          |
|-----|
| Modified by                   :                   |
| Modification Date             :                   |
| Modification Description      :                   |
+=====
=====*/

```

```
%m_printto(route=YES);
```

```
libname adam "&base2/datasets/adam/cleaned_adam";
```

```
libname sdtm "/cvn/projects/prj/data/000000106331/datasets/sdtm/sdtmx";
```

```

proc sort data=sdtm.pp out=pp;

    by usubjid ppgrpid;

run;

data pp2;

length paramcd parcat1 $8 aval parcat1n 8 avalc $200 avalu $20 param $40 ;

set pp;


paramcd=strip(pptestcd);

param=strip(pptest);

parcat1=propcase(strip(ppscat));


if upcase(parcat1)='NICOTINE' then parcat1n=1;

if upcase(parcat1)='COTININE' then parcat1n=2;


IF PARCAT1='Nicotine' THEN PARAMCD=STRIP('N') || STRIP(PARAMCD);

ELSE IF PARCAT1='Cotinine' THEN PARAMCD=STRIP('C') || STRIP(PARAMCD);


    if paramcd='NCAVG' and upcase(parcat1)='NICOTINE' then paramn=1;


else if paramcd='NCMAX' and upcase(parcat1)='NICOTINE' then paramn=2;

else if paramcd='NTMAX' and upcase(parcat1)='NICOTINE' then paramn=3;


else if paramcd='CAVG' and upcase(parcat1)='COTININE' then paramn=4;


else if paramcd='CCMAX' and upcase(parcat1)='COTININE' then paramn=5;

```

```
else if paramcd='CTMAX' and upcase(parcat1)='COTININE' then paramn=6;
```

```
    avalc=strip(ppstresc);
```

```
    aval=input(avalc,best32.);
```

```
    avalu=ppstresu;
```

```
param=strip(pptest)||' ('||strip(avalu)||' ('||STRIP(PARCAT1)||')';
```

```
if index(param,'( ') then param=tranwrd(param,'( ','');
```

```
anl01fl='Y';
```

```
keep studyid usubjid ppseq ppscat ppstat ppreasnd paramcd
```

```
    parcat1 param paramn parcat1n aval avalc avalu anl01fl ;
```

```
run;
```

```
data check;
```

```
    set pp2;
```

```
    where not missing(aval) and aval ne input(avalc, best32.);
```

```
run;
```

```
data pp3;
```

```
    set pp2;
```

```
length avisit $40 aperiodc $10 avisitn aperiod 8;
```

```
avisit='Day 5';
```

```
avisitn=105;
```

```
aperiod=1;
```

```
aperiodc='Period 1';
```

```
run;
```

```
* merge with adsl;
```

```
data adsl;
```

```
    set adam.adsl;
```

```
run;
```

```
proc sort data=pp3(drop=studyid);by usubjid;run;
```

```
proc sort data=adsl;by usubjid;run;
```

```
data pp4;
```

```
    merge pp3(in=a) adsl;
```

```
    by usubjid;
```

```
    if a;
```

```
if aperiod=1 then do;
```

```
    TRTP= TRT01p;
```

```
    TRTPN=trt01pn;
```

```
    TRTA=trt01a;
```

```

        trtan=trt01an;

end;

run;

*****;

* create output dataset ;

*****;

data adpp;

set pp4;

length CRIT1 $200 CRIT1FL $2;

call missing(CRIT1,CRIT1FL);

run;


%m_attrib_adam(dset=ADPP);

proc sort data = adpp out = adam.adpp(label= 'PK Parameters Analysis Dataset');

    by usubjid avisitn PARCAT1N paramcd;

run;


%m_logchk;

```