

```

capture log close

log using "C:\usr\rino\projects\ovarian_new\results\ref.paper1_
1.doc", text replace
set graphics off
set more off
version 9.1
clear
/*
*****
Name of file: ref.paper1_1.do
Purpose      : Answer Ref's comment

Date:        28 Febraio 2006
Authors:     Rino
Subject:     Answer to referee: Feb 2006: IJC

*****
*
*/

/* From Paper */

/* 1
Lisa:
Action: RINO please clarify how the 22 women who died for reasons
other
than ovarian cancer were treated. Were they censored? I guess yes,
but I would like you to confirm please.

RINO:
We censored them at the moment they died for this other reason
*/

/* 2
Lisa:
Action: BOT - We have to show the data, as requested from referee 3.
RINO please do send me the data. How many (N and %) of the BOT cases
ever used HRT before
diagnosis? How many ever used after (n and %)?
Please calculate the MEDIAN survival in years, the age adjusted 5
years survival
for ever and never users before diagnosis and ever never users after
diagnosis, and the age adjusted HR and 95% for ever versus never user
before diagnosis, and ever versus never
users after diagnosis. Follow the model of Table 2 but simplified
including HRT
ANY ever/never before and after diagnosis only.

Rino:
Lisa we got really few deaths among BOT, as you know, so it is
really difficult anyway I do what you asked
*/

use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear
keep if malig==1
gen zage=diagage-62.21
stset eof6, origin (time diagdat) id(lopnr) time0(diagdat) scale
(365.25) failure(fail6)
tab hrtanynew fail6, row mis
tab hrtanynew fail2, row mis

stsum, by ( hrtanynew )

```

```

sts list, at( 0 5 ) compare by(hrtanynew ) adjustfor(zage)
xi: stcox hrtanynew diagage , nolog

tab hrt_aftergrps_missno fail6, row mis
tab hrt_aftergrps_missno fail2, row mis

stsum, by (hrt_aftergrps_missno )
sts list, at( 0 5 ) compare by(hrt_aftergrps_missno ) adjustfor
(zage)
xi: stcox hrt_aftergrps_missno diagage , nolog

/* 3 */

/* from Lisa's answer to review document*/

/*
The study has much information on
these women, and even though the hazard ratios are adjusted for
other factors, it would be helpful to know how the HRT users
before, after and both-before-and after differed from one
another, for instance in age, therapy and social class, as it
might suggest or eliminate unmeasured selection factors the
authors acknowledge.
*/

/* Rino answer: see below */

use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear
tab malig hrtanynew, row
tab malig hrt_aftergrps_missno, row

keep if malig==2

tab hrt_aftergrps_missno
univar diagage, by(hrt_aftergrps_missno)
tab chemoyl hrt_aftergrps_missno, row
tab ses hrt_aftergrps_missno, row
tab mysess hrt_aftergrps_missno, row

/* 4 From Paper*/

/* while use of oral contraceptives, BMI before diagnosis, smoking,
socio-economic status, age at menarche and menopause, parity, family
history
of ovarian cancer, and tubal ligation were unrelated with survival
(data not shown).
*/

/* Lisa:
Action: RINO - we need to show these data, as requested by referee 3.
Please if you can provide them to me according to the model in Table
1.
You have done this already - you have just to find the information,

```

```

please.
*/

/* Rino : see below*/

log using "C:\usr\rino\projects\ovarian_new\results\ref.paper1_
2.doc", text replace

use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear

keep if malig==2
gen zage=diagage-62.21
stset eof6, origin (time diagdat) id(lopnr) time0(diagdat) scale
(365.25) failure(fail6)

tab occombtr fail6, row mis
stsum, by ( occombtr )
sts list, at( 0 5 ) compare by(occombtr )adjustfor(zage)
xi: stcox occombtr diagage , nolog

/* change baseline to normal weight */
char bmi_cat[omit] 2
tab bmi_cat fail6, row mis
stsum, by (bmi_cat )
sts list, at( 0 5 ) compare by(bmi_cat ) adjustfor(zage)
xi: stcox i.bmi_cat diagage , nolog

/*
0 = never
1 = current
2 = former
*/

tab smoke fail6, row mis
stsum, by (smoke )
sts list, at( 0 5 ) compare by(smoke ) adjustfor(zage)
xi: stcox i.smoke diagage , nolog

/*
socstat 0, 1 (low, high)
*/
gen socstat=0
replace socstat=1 if ses >4 & ses !=.

tab socstat fail6, row mis
stsum, by (socstat )
sts list, at( 0 5 ) compare by(socstat) adjustfor(zage)
xi: stcox socstat diagage , nolog

tab menage_13 fail6, row mis
stsum, by (menage_13 )
sts list, at( 0 5 ) compare by(menage_13)
xi: stcox menage_13 diagage , nolog

tab parnew fail6, row mis
stsum, by (parnew )

```

```

sts list, at( 0 5 ) compare by(parnew)
xi: stcox i.parnew diagage , nolog

/* baseline: no hystory */

char f35[omit] 2

tab f35 fail6, row mis
stsum, by ( f35)
sts list, at( 0 5 ) compare by( f35) adjustfor(zage)
xi: stcox i.f35 diagage , nolog

tab f32_a fail6, row mis
stsum, by ( f32_a)
sts list, at( 0 5 ) compare by( f32_a) adjustfor(zage)

xi: stcox f32_a diagage , nolog

tab mpage_50 fail6, row mis
stsum, by (mpage_50 )
sts list, at( 0 5 ) compare by(mpage_50) adjustfor(zage)
xi: stcox mpage_50 diagage , nolog

log close

/* 5 From Paper */
/*
Use of estriol (administrated orally or vaginally) or progestins
without estrogens
before diagnosis was rare, and not associated with EOC survival,
regardless of the
duration or recency of use (data not shown).
*/

/*Rino: see below
*/

use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear

keep if malig==2
gen zage=diagage-62.21

stset eof6, origin (time diagdat) id(lopnr) time0(diagdat) scale
(365.25) failure(fail6)

tab le_vgtr fail6, row mis
stsum, by ( le_vgtr)
sts list, at( 0 5 ) compare by(le_vgtr )adjustfor(zage)
xi: stcox le_vgtr diagage , nolog

tab le_potr fail6, row mis
stsum, by ( le_potr)
sts list, at( 0 5 ) compare by(le_potr )adjustfor(zage)
xi: stcox le_potr diagage , nolog

```

```
/* 6
```

```
The proportion of HRT users and non-users before diagnosis was
similar
among women being diagnosed with different tumor FIGO stages,
WHO grade of differentiation, and histological ovarian tumor subtypes
(data not shown).
*/
```

```
/* rino: see below*/
```

```
use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear
```

```
keep if malig==2
gen zage=diagage-62.21
```

```
tab hrtanynew figo_cat, row
tab hrtanynew who, row
tab hist_0 figo_cat, row
```

```
/* 7 */
```

```
/* From paper :
The finding of a significantly better survival was
restricted to women who were using HRT at time of data abstraction
from medical records (only 30 women on hormone replacement therapy
after diagnosis had stopped use at the time of data abstraction).
*/
```

```
/* Rino: see below */
```

```
use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear
keep if malig==2
stset eof6, origin (time diagdat) id(lopnr) time0(diagdat) scale
(365.25) failure(fail6)
```

```
gen zage=diagage-62.21
gen hrtaft_re=0
replace hrtaft_re=1 if hrty==1 & hrtnow==0
replace hrtaft_re=2 if hrty==1 & hrtnow==1
tab hrtaft_re fail6, row mis
stsum, by (hrtaft_re)
sts list, at( 0 5 ) compare by(hrtaft_re)adjustfor(zage)
xi: stcox hrtaft_re diagage , nolog
xi: stcox hrtaft_re diagage i.figo i.who , nolog
```

```
/*8 */
```

```
/*
```

```
From paper:
The use of HRT both before and after diagnosis did not entail
survival advantage for women with mucinous, endometrioid, and other
ovarian tumors (data not shown). However, the number of patients in
each subgroup
was relatively small, making estimates unstable in some subgroups.
*/
```

```

/* Rino:
Lisa, what you have done in table 3, adding the line users before and
after diagnosis,
do not convince me, perhaps we should only refer to numbers in table?
Anyway, here are the results:

*/
use "c:\usr\rino\projects\ovarian_new\data\merged\ovarian_1", clear
stset eof6, origin (time diagdat) id(lopnr) time0(diagdat) scale
(365.25) failure(fail6)
keep if malig==2
gen zage=diagage-62.21

tab hrt_aftergrps_missno fail6 if hist==1, row
tab hrt_aftergrps_missno fail6 if hist==1, row
xi: stcox i.hrt_aftergrps_missno diagage if hist==1, nolog
xi: stcox i.hrt_aftergrps_missno diagage i.figo_cat i.who if hist==1
, nolog

tab hrt_aftergrps_missno fail6 if hist==2, row
tab hrt_aftergrps_missno fail6 if hist==2, row
xi: stcox i.hrt_aftergrps_missno diagage if hist==2, nolog
xi: stcox i.hrt_aftergrps_missno diagage i.figo_cat i.who if hist==2
, nolog

tab hrt_aftergrps_missno fail6 if hist==3, row
tab hrt_aftergrps_missno fail6 if hist==3, row
xi: stcox i.hrt_aftergrps_missno diagage if hist==3, nolog
xi: stcox i.hrt_aftergrps_missno diagage i.figo_cat i.who if hist==3
, nolog

tab hrt_afterdx_missno fail6 if hist==6 |hist==5 | hist==4, row
tab hrt_aftergrps_missno fail6 if hist==6 |hist==5 | hist==4, row
xi: stcox i.hrt_aftergrps_missno diagage if hist==6 |hist==5 | hist==
4, nolog
xi: stcox i.hrt_aftergrps_missno diagage i.figo_cat i.who if hist==6
|hist==5 | hist==4, nolog

log close

```