



User: Thierry ALMONT

```
log: /Users/Harakhtes/Public/ThErAL/Zied Bouraoui/results1_2.smcl
log type: smcl
opened on: 28 Jun 2009, 18:48:27
```

```
1 . do "/var/folders/cl/cLEHhMrrHJyOpn-Nzt3QOE+++TI/-Tmp-//SD35238.000000"
2 . ***Localisation dans le dossier de travail
3 . cd "/Users/Harakhtes/Public/ThErAL/Zied Bouraoui"
  /Users/Harakhtes/Public/ThErAL/Zied Bouraoui/
4 . ***utilisation du fichier de données
5 . use "data.dta"
6 . ***Population cible
7 . tab1 groupe, m
```

-> tabulation of groupe

Groupe	Freq.	Percent	Cum.
SET J2	43	48.31	48.31
SET J5	46	51.69	100.00
Total	89	100.00	

```
8 . ***
9 . ***I. Moyennes à calculer pour comparer entre les 2 groupes J2 vs J5
10 . ***
11 . ***Dates de naissance de Madame et Monsieur
12 . byvar groupe: codebook dnais*
```

-> groupe==SET J2

dnaisancf	Date de naissance de Madame
------------------	------------------------------------

```
type: numeric daily date (long)

range: [4463,9036] units: 1
or equivalently: [21mar1972,27sep1984] units: days
unique values: 43 missing .: 0/43

mean: 6573 = 30dec1977
std. dev: 1156.87

percentiles:      10%      25%      50%      75%      90%
                 5235      5458      6669      7420      8181
                 02may1974 11dec1974 05apr1978 25apr1980 26may1982
```

dnaisancm	Date de naissance de Monsieur
------------------	--------------------------------------

```
type: numeric daily date (long)

range: [1479,9073] units: 1
or equivalently: [19jan1964,03nov1984] units: days
unique values: 43 missing .: 0/43

mean: 5403.63 = 17oct1974 (+ 15 hours)
std. dev: 1716.83
```

percentiles:	10%	25%	50%	75%	90%
	2445	4637	5714	6467	7463
	11sep1966	11sep1972	24aug1975	15sep1977	07jun1980

-> **groupe==SET J5**

dnaissancef	Date de naissance de Madame
--------------------	------------------------------------

```

type: numeric daily date (long)

range: [4769,9950] units: 1
or equivalently: [21jan1973,30mar1987] units: days
unique values: 45 missing.: 0/46

mean: 6597.65 = 23jan1978 (+ 16 hours)
std. dev: 1213.23

percentiles:      10%      25%      50%      75%      90%
                  4962      5554      6470      7292      7973
                  02aug1973 17mar1975 18sep1977 19dec1979 30oct1981

```

dnaissancecm	Date de naissance de Monsieur
---------------------	--------------------------------------

```

type: numeric daily date (long)

range: [1682,7663] units: 1
or equivalently: [09aug1964,24dec1980] units: days
unique values: 46 missing.: 0/46

mean: 5469.07 = 22dec1974 (+ 2 hours)
std. dev: 1403

percentiles:      10%      25%      50%      75%      90%
                  3386      4723      5495      6623      7341
                  09apr1969 06dec1972 17jan1975 18feb1978 06feb1980

```

```

13 . ***Âges
14 . foreach var of varlist age* {
15   2. local lbl : variable label `var'
16   3. display " "
17   4. display "`var'" " " " (" "`lbl'" " )"
18   5. tabstat `var', statistics( count mean median sd min max) by(groupe)
19   6. byvar groupe: swilk `var'
20   7. oneway `var' groupe
21   8. ttest `var', by(groupe)
22   9. ranksum `var', by(groupe) porder
23   10. }

```

agef (Âge de la femme)

Summary for variables: agef
by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	43	30.0886	30.40109	3.23846	22.84189	36.27105
SET J5	46	30.00696	30.01917	3.357635	20.15058	34.9076
Total	89	30.0464	30.09719	3.282088	20.15058	36.27105

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
agef	43	0.98330	0.698	-0.760	0.77630

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
agef	46	0.95665	1.910	1.373	0.08488

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	.148109199	1	.148109199	0.01	0.9074
Within groups	947.797037	87	10.8942188		
Total	947.945146	88	10.7721039		

Bartlett's test for equal variances: $\chi^2(1) = 0.0560$ Prob> $\chi^2 = 0.813$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	30.0886	.4938605	3.23846	29.09195	31.08525
SET J5	46	30.00696	.4950562	3.357635	29.00987	31.00406
combined	89	30.0464	.3479007	3.282088	29.35503	30.73778
diff		.0816343	.700132		-1.309954	1.473222

diff = mean(SET J2) - mean(SET J5) t = 0.1166
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.5463 Pr(|T| > |t|) = 0.9074 Pr(T > t) = 0.4537

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	1941	1935
SET J5	46	2064	2070
combined	89	4005	4005

unadjusted variance **14835.00**
 adjustment for ties **-0.25**

adjusted variance **14834.75**

Ho: agef(groupe==SET J2) = agef(groupe==SET J5)

z = **0.049**

Prob > |z| = **0.9607**

P{agef(groupe==SET J2) > agef(groupe==SET J5)} = **0.503**

ageh (Âge de l'homme)

Summary for variables: ageh
 by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	43	33.29016	32.29843	4.723895	23.37303	44.69542
SET J5	46	33.09687	32.99384	3.798838	27.2334	42.78713
Total	89	33.19026	32.55578	4.247286	23.37303	44.69542

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ageh	43	0.96450	1.484	0.834	0.20216

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ageh	46	0.95625	1.927	1.392	0.08189

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups	.830407029	1	.830407029	0.05	0.8315
Within groups	1586.64015	87	18.2372431		
Total	1587.47056	88	18.0394381		

Bartlett's test for equal variances: chi2(1) = **2.0343** Prob>chi2 = **0.154**

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	33.29016	.7203872	4.723895	31.83636	34.74396
SET J5	46	33.09687	.5601081	3.798838	31.96875	34.22498
combined	89	33.19026	.4502114	4.247286	32.29556	34.08496
diff		.193298	.9058608		-1.607198	1.993794

diff = mean(SET J2) - mean(SET J5)

t = **0.2134**

Ho: diff = 0

degrees of freedom = **87**

Ha: diff < 0
Pr(T < t) = **0.5842**

Ha: diff != 0
Pr(|T| > |t|) = **0.8315**

Ha: diff > 0
Pr(T > t) = **0.4158**

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	1921	1935
SET J5	46	2084	2070
combined	89	4005	4005

unadjusted variance **14835.00**
adjustment for ties **0.00**

adjusted variance **14835.00**

Ho: ageh(groupe==SET J2) = ageh(groupe==SET J5)
z = **-0.115**
Prob > |z| = **0.9085**

P{ageh(groupe==SET J2) > ageh(groupe==SET J5)} = **0.493**

```
15 . ***Doses et durée de stimulation
16 . foreach var of varlist menopur gonalf puregon dosetotale jourstim {
    2. local lbl : variable label `var'
    3. display " "
    4. display "`var'" " " "(" "`lbl'" ")"
    5. tabstat `var', statistics( count mean median sd min max) by(groupe)
    6. byvar groupe: swilk `var'
    7. oneway `var' groupe
    8. ttest `var', by(groupe)
    9. ranksum `var', by(groupe) porder
    10. }
```

menopur (Ménopur (UI))

Summary for variables: menopur
by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	1	1650	1650	.	1650	1650
SET J5	1	2475	2475	.	2475	2475
Total	2	2062.5	2062.5	583.3631	1650	2475

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
menopur	1	.	.	.	.

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
menopur	1	.	.	.	.

Source	Analysis of Variance			F	Prob > F
	SS	df	MS		
Between groups	340312.5	1	340312.5		
Within groups	0	0	.		
Total	340312.5	1	340312.5		

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	1	1650	.	.	.	.
SET J5	1	2475	.	.	.	.
combined	2	2062.5	.	.	.	.
diff		-825	.		.	.

```
diff = mean(SET J2) - mean(SET J5)          t = .
Ho: diff = 0                                degrees of freedom = 0
```

Ha: diff < 0	Ha: diff != 0	Ha: diff > 0
Pr(T < t) = .	Pr(|T| > |t|) = .	Pr(T > t) = .

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	1	1	1.5
SET J5	1	2	1.5
combined	2	3	3

unadjusted variance	0.25
adjustment for ties	0.00
adjusted variance	0.25

```
Ho: menopur(groupe==SET J2) = menopur(groupe==SET J5)
      z = -1.000
```

$$\text{Prob } > |z| = 0.3173$$
$$P\{\text{menopur}(\text{groupe}==\text{SET J2}) > \text{menopur}(\text{groupe}==\text{SET J5})\} = \mathbf{0.000}$$

gonalf (Gonalf (UI))

```
Summary for variables: gonalf
  by categories of: groupe (Groupe)
```

groupe	N	mean	p50	sd	min	max
SET J2	18	2045.833	1800	928.5207	1350	5400
SET J5	22	1755.682	1800	353.0422	1200	2625
Total	40	1886.25	1800	681.3907	1200	5400

```
-> groupe==SET J2
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
gonalf	18	0.61631	8.434	4.268	0.00001

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
gonalf	22	0.96274	0.944	-0.117	0.54650

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	833460.227	1	833460.227	1.83	0.1837
Within groups	17273977.3	38	454578.349		
Total	18107437.5	39	464293.269		

Bartlett's test for equal variances: $\chi^2(1) = 15.8681$ Prob> $\chi^2 = 0.000$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	18	2045.833	218.8544	928.5207	1584.091	2507.576
SET J5	22	1755.682	75.26885	353.0422	1599.152	1912.212
combined	40	1886.25	107.7373	681.3907	1668.331	2104.169
diff		290.1515	214.2825		-143.6408	723.9438

diff = mean(SET J2) - mean(SET J5) t = **1.3541**
 Ho: diff = 0 degrees of freedom = **38**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = **0.9081** Pr(|T| > |t|) = **0.1837** Pr(T > t) = **0.0919**

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	18	400.5	369
SET J5	22	419.5	451
combined	40	820	820

unadjusted variance **1353.00**
 adjustment for ties **-21.58**

adjusted variance **1331.42**

Ho: gonalf(groupe==SET J2) = gonalf(groupe==SET J5)

z = **0.863**
 Prob > |z| = **0.3880**

P{gonalf(groupe==SET J2) > gonalf(groupe==SET J5)} = **0.580**

puregon (Purégon (UI))

Summary for variables: puregon
 by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	24	1745.833	1650	327.3466	1200	2700
SET J5	23	1621.739	1500	477.345	1050	2775
Total	47	1685.106	1650	408.0261	1050	2775

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
puregon	24	0.94971	1.356	0.622	0.26708

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
puregon	23	0.84979	3.929	2.783	0.00270

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	180860.7	1	180860.7	1.09	0.3024
Within groups	7477463.77	45	166165.862		
Total	7658324.47	46	166485.315		

Bartlett's test for equal variances: $\chi^2(1) = 3.0756$ Prob> $\chi^2 = 0.079$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	24	1745.833	66.81935	327.3466	1607.607	1884.06
SET J5	23	1621.739	99.5333	477.345	1415.32	1828.159
combined	47	1685.106	59.51673	408.0261	1565.305	1804.907
diff		124.0942	118.9461		-115.4756	363.664

diff = mean(SET J2) - mean(SET J5) t = 1.0433
 Ho: diff = 0 degrees of freedom = 45

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.8488 Pr(|T| > |t|) = 0.3024 Pr(T > t) = 0.1512

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	24	669	576
SET J5	23	459	552
combined	47	1128	1128

unadjusted variance **2208.00**
 adjustment for ties **-33.19**

adjusted variance **2174.81**

Ho: puregon(groupe==SET J2) = puregon(groupe==SET J5)

z = **1.994**

Prob > |z| = **0.0461**

P{puregon(groupe==SET J2) > puregon(groupe==SET J5)} = **0.668**

dosetotale (Dose totale de la stimulation)

Summary for variables: dosetotale
 by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	43	1869.186	1725	656.3979	1200	5400
SET J5	46	1704.348	1650	433.0545	1050	2775
Total	89	1783.989	1650	555.3363	1050	5400

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
dosetotale	43	0.61289	16.181	5.884	0.00000

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
dosetotale	46	0.92898	3.128	2.420	0.00775

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups	603882.042	1	603882.042	1.98	0.1630
Within groups	26535176.9	87	305002.034		
Total	27139059	88	308398.398		

Bartlett's test for equal variances: chi2(1) = **7.2923** Prob>chi2 = **0.007**

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	1869.186	100.0997	656.3979	1667.177	2071.196
SET J5	46	1704.348	63.85041	433.0545	1575.747	1832.949
combined	89	1783.989	58.86553	555.3363	1667.006	1900.972
diff		164.8382	117.1476		-68.00523	397.6817

diff = mean(**SET J2**) - mean(**SET J5**)

t = **1.4071**

Ho: diff = 0

degrees of freedom = **87**

Ha: diff < 0
Pr(T < t) = **0.9185**

Ha: diff != 0
Pr(|T| > |t|) = **0.1630**

Ha: diff > 0
Pr(T > t) = **0.0815**

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	2130.5	1935
SET J5	46	1874.5	2070
combined	89	4005	4005

unadjusted variance **14835.00**
adjustment for ties **-210.63**

adjusted variance **14624.37**

Ho: doseto~e(groupe==SET J2) = doseto~e(groupe==SET J5)

z = **1.617**

Prob > |z| = **0.1060**

P{doseto~e(groupe==SET J2) > doseto~e(groupe==SET J5)} = **0.599**

jourstim (Durée totale de la stimulation (jours))

Summary for variables: jourstim
by categories of: groupe (Groupe)

groupe	N	mean	p50	sd	min	max
SET J2	43	11.2093	11	1.655555	8	16
SET J5	46	11.23913	11	2.311178	8	17
Total	89	11.22472	11	2.009934	8	17

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
jourstim	43	0.97817	0.913	-0.193	0.57664

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
jourstim	46	0.95034	2.188	1.661	0.04831

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups	.01977369	1	.01977369	0.00	0.9447
Within groups	355.485844	87	4.08604419		
Total	355.505618	88	4.03983657		

Bartlett's test for equal variances: chi2(1) = **4.6599** Prob>chi2 = **0.031**

Groupe	Indication de l'AMP				Total
	Cause fém	Idiopathi	Cause mas	Mixte	
SET J2	13	4	22	4	43
	16.4	2.9	19.8	3.9	43.0
	30.23	9.30	51.16	9.30	100.00
	38.24	66.67	53.66	50.00	48.31
SET J5	21	2	19	4	46
	17.6	3.1	21.2	4.1	46.0
	45.65	4.35	41.30	8.70	100.00
	61.76	33.33	46.34	50.00	51.69
Total	34	6	41	8	89
	34.0	6.0	41.0	8.0	89.0
	38.20	6.74	46.07	8.99	100.00
	100.00	100.00	100.00	100.00	100.00

Pearson chi2(3) = 2.6704 Pr = 0.445

Fisher's exact = 0.470

technique (Technique de l'AMP)

Groupe	Technique de l'AMP		Total
	FIV	ICSI	
SET J2	18	25	43
	19.3	23.7	43.0
	41.86	58.14	100.00
	45.00	51.02	48.31
SET J5	22	24	46
	20.7	25.3	46.0
	47.83	52.17	100.00
	55.00	48.98	51.69
Total	40	49	89
	40.0	49.0	89.0
	44.94	55.06	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.3196 Pr = 0.572

Fisher's exact = 0.671

1-sided Fisher's exact = 0.363

menopur2 (Ménopur (UI))

Groupe	Ménopur (UI)		Total
	<=2000 UI	>2000 UI	
SET J2	1	42	43
	0.5	42.5	43.0
	2.33	97.67	100.00
	100.00	47.73	48.31
SET J5	0	46	46
	0.5	45.5	46.0
	0.00	100.00	100.00
	0.00	52.27	51.69
Total	1	88	89
	1.0	88.0	89.0
	1.12	98.88	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 1.0819 Pr = 0.298
 Fisher's exact = 0.483
 1-sided Fisher's exact = 0.483

gonalf2 (Gonalf (UI))

Groupe	Gonalf (UI)		Total
	<=2000 UI	>2000 UI	
SET J2	12	31	43
	15.0	28.0	43.0
	27.91	72.09	100.00
	38.71	53.45	48.31
SET J5	19	27	46
	16.0	30.0	46.0
	41.30	58.70	100.00
	61.29	46.55	51.69
Total	31	58	89
	31.0	58.0	89.0
	34.83	65.17	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 1.7574 Pr = 0.185
 Fisher's exact = 0.266
 1-sided Fisher's exact = 0.135

puregon2 (Purégon (UI))

Groupe	Purégon (UI)		Total
	<=2000 UI	>2000 UI	
SET J2	20	23	43
	19.3	23.7	43.0
	46.51	53.49	100.00
	50.00	46.94	48.31
SET J5	20	26	46
	20.7	25.3	46.0
	43.48	56.52	100.00
	50.00	53.06	51.69
Total	40	49	89
	40.0	49.0	89.0
	44.94	55.06	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.0826 Pr = 0.774
 Fisher's exact = 0.833
 1-sided Fisher's exact = 0.470

declanchement (Mésicament utilisé pour déclancher la stim)

Groupe	Mésicament utilisé pour déclancher la stim		Total
	HCG Urina	Ovitrelle	
SET J2	5	38	43
	6.3	36.7	43.0
	11.63	88.37	100.00
	38.46	50.00	48.31
SET J5	8	38	46
	6.7	39.3	46.0
	17.39	82.61	100.00
	61.54	50.00	51.69
Total	13	76	89
	13.0	76.0	89.0
	14.61	85.39	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.5919 Pr = 0.442
 Fisher's exact = 0.553
 1-sided Fisher's exact = 0.321

anesthesie (Type de l'anesthésie)

Groupe	Type de l'anesthésie		Total
	Anesth. G	Anesth. L	
SET J2	9	34	43
	8.2	34.8	43.0
	20.93	79.07	100.00
	52.94	47.22	48.31
SET J5	8	38	46
	8.8	37.2	46.0
	17.39	82.61	100.00
	47.06	52.78	51.69
Total	17	72	89
	17.0	72.0	89.0
	19.10	80.90	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.1801 Pr = 0.671
 Fisher's exact = 0.789
 1-sided Fisher's exact = 0.438

echo (Échoguidage)

Groupe	Échoguidage		Total
	Non	Oui	
SET J2	4	39	43
	4.3	38.7	43.0
	9.30	90.70	100.00
	44.44	48.75	48.31
SET J5	5	41	46
	4.7	41.3	46.0
	10.87	89.13	100.00
	55.56	51.25	51.69
Total	9	80	89

9.0	80.0	89.0
10.11	89.89	100.00
100.00	100.00	100.00

Pearson chi2(1) = 0.0601 Pr = 0.806
 Fisher's exact = 1.000
 1-sided Fisher's exact = 0.543

```
21 . ***
22 . ***III. Comparaisons entre la technique FIV et ICSI
23 . ***
24 . foreach var in ovoponct ovoidinsemin tf nbemb nbtopenb nbblast nbtopenblast {
    2. local lbl : variable label `var'
    3. display " "
    4. display "`var'" " " "(" "`lbl'" ")"
    5. tabstat `var', statistics( count mean median sd min max) by(technique)
    6. byvar technique: swilk `var'
    7. oneway `var' technique
    8. ttest `var', by(technique)
    9. ranksum `var', by(technique) porder
    10. }
```

ovoponct (Nb ovocytes ponctionnés)

Summary for variables: ovoponct
 by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	40	12.35	11.5	5.191462	5	26
ICSI	49	13.38776	13	4.725006	4	27
Total	89	12.92135	13	4.938772	4	27

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ovoponct	40	0.94122	2.323	1.774	0.03802

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ovoponct	49	0.95216	2.214	1.693	0.04520

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	23.7167851	1	23.7167851	0.97	0.3269
Within groups	2122.73265	87	24.3992259		
Total	2146.44944	88	24.3914709		

Bartlett's test for equal variances: chi2(1) = 0.3789 Prob>chi2 = 0.538

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	40	12.35	.8208423	5.191462	10.68969	14.01031
ICSI	49	13.38776	.6750008	4.725006	12.03057	14.74494
combined	89	12.92135	.5235088	4.938772	11.88098	13.96171
diff		-1.037755	1.05258		-3.129871	1.054361

diff = mean(FIV) - mean(ICSI) t = -0.9859
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.1635 Pr(|T| > |t|) = 0.3269 Pr(T > t) = 0.8365

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	40	1643.5	1800
ICSI	49	2361.5	2205
combined	89	4005	4005

unadjusted variance 14700.00
 adjustment for ties -93.72

adjusted variance 14606.28

Ho: ovoponct(techni-e==FIV) = ovoponct(techni-e==ICSI)

z = -1.295

Prob > |z| = 0.1953

P{ovoponct(techni-e==FIV) > ovoponct(techni-e==ICSI)} = 0.420

ovoinsemin (Nb ovocytes injectés / nséminés)

Summary for variables: ovoinsemin

by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	40	12.275	11	5.188683	5	26
ICSI	49	11.40816	11	3.962945	4	22
Total	89	11.79775	11	4.548176	4	26

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ovoinsemin	40	0.93729	2.479	1.910	0.02805

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
ovoinsemin	49	0.95464	2.100	1.580	0.05704

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	16.5478159	1	16.5478159	0.80	0.3741
Within groups	1803.81173	87	20.7334682		
Total	1820.35955	88	20.685904		

Bartlett's test for equal variances: $\chi^2(1) = 3.1097$ Prob> $\chi^2 = 0.078$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	40	12.275	.8204029	5.188683	10.61558	13.93442
ICSI	49	11.40816	.566135	3.962945	10.26987	12.54645
combined	89	11.79775	.4821057	4.548176	10.83967	12.75584
diff		.8668367	.9702931		-1.061726	2.795399

diff = mean(FIV) - mean(ICSI) t = 0.8934
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.8129 Pr(|T| > |t|) = 0.3741 Pr(T > t) = 0.1871

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	40	1866.5	1800
ICSI	49	2138.5	2205
combined	89	4005	4005

unadjusted variance 14700.00
 adjustment for ties -130.01
 adjusted variance 14569.99

Ho: ovoinsemin(technique==FIV) = ovoinsemin(technique==ICSI)
 $z = 0.551$
 Prob > |z| = 0.5817

P{ovoinsemin(technique==FIV) > ovoinsemin(technique==ICSI)} = 0.534

tf (Taux de fécondation (%))

Summary for variables: tf
 by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	40	71.75226	75	17.80022	35	100
ICSI	49	68.44901	66.66667	16.5997	30.76923	100
Total	89	69.93362	71.42857	17.13044	30.76923	100

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
tf	40	0.96737	1.290	0.535	0.29618

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
tf	49	0.99203	0.369	-2.125	0.98319

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	240.29731	1	240.29731	0.82	0.3685
Within groups	25583.4747	87	294.062927		
Total	25823.772	88	293.451954		

Bartlett's test for equal variances: $\chi^2(1) = 0.2082$ Prob> $\chi^2 = 0.648$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	40	71.75226	2.814462	17.80022	66.05948	77.44505
ICSI	49	68.44901	2.371386	16.5997	63.68102	73.217
combined	89	69.93362	1.815823	17.13044	66.32505	73.54218
diff		3.30325	3.654156		-3.959781	10.56628

diff = mean(FIV) - mean(ICSI) t = 0.9040
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.8157 Pr(|T| > |t|) = 0.3685 Pr(T > t) = 0.1843

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	40	1923	1800
ICSI	49	2082	2205
combined	89	4005	4005

unadjusted variance 14700.00
 adjustment for ties -19.90

adjusted variance 14680.10

Ho: tf(techni-e==FIV) = tf(techni-e==ICSI)

z = 1.015
 Prob > |z| = 0.3100

$P\{tf(technique==FIV) > tf(technique==ICSI)\} = 0.563$

nbemb (Total des embryons à J2)

Summary for variables: nbemb
by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	40	8.5	8	4.338261	4	22
ICSI	49	7.387755	7	2.94262	3	17
Total	89	7.88764	7	3.656993	3	22

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbemb	40	0.82574	6.888	4.061	0.00002

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbemb	49	0.93529	2.995	2.337	0.00972

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	27.2437514	1	27.2437514	2.06	0.1546
Within groups	1149.63265	87	13.2141684		
Total	1176.8764	88	13.3735955		

Bartlett's test for equal variances: $\chi^2(1) = 6.4215$ Prob> $\chi^2 = 0.011$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	40	8.5	.6859394	4.338261	7.112557	9.887443
ICSI	49	7.387755	.4203743	2.94262	6.542536	8.232974
combined	89	7.88764	.3876404	3.656993	7.117287	8.657994
diff		1.112245	.7746168		-.4273898	2.65188

diff = mean(FIV) - mean(ICSI) t = 1.4359
Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = 0.9227 Pr(|T| > |t|) = 0.1546 Pr(T > t) = 0.0773

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	40	1922	1800
ICSI	49	2083	2205
combined	89	4005	4005

unadjusted variance **14700.00**
 adjustment for ties **-272.03**

adjusted variance **14427.97**

Ho: nbemb(techni~e==FIV) = nbemb(techni~e==ICSI)

z = **1.016**

Prob > |z| = **0.3098**

P{nbemb(techni~e==FIV) > nbemb(techni~e==ICSI)} = **0.562**

nbtopemb (Nb TOP embryos)

Summary for variables: nbtopemb
 by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	40	5.775	5	2.939453	3	18
ICSI	49	5.326531	5	2.134906	3	12
Total	89	5.52809	5	2.52303	3	18

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbtopemb	40	0.78131	8.644	4.539	0.00000

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbtopemb	49	0.89644	4.794	3.339	0.00042

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	4.42926508	1	4.42926508	0.69	0.4073
Within groups	555.75051	87	6.3879369		
Total	560.179775	88	6.36567926		

Bartlett's test for equal variances: chi2(1) = **4.3728** Prob>chi2 = **0.037**

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	40	5.775	.4647683	2.939453	4.834917	6.715083
ICSI	49	5.326531	.3049866	2.134906	4.713314	5.939747
combined	89	5.52809	.2674406	2.52303	4.996608	6.059572
diff		.4484694	.5385763		-.6220094	1.518948

diff = mean(FIV) - mean(ICSI) t = 0.8327
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.7964 Pr(|T| > |t|) = 0.4073 Pr(T > t) = 0.2036

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	40	1863.5	1800
ICSI	49	2141.5	2205
combined	89	4005	4005

unadjusted variance 14700.00
 adjustment for ties -479.74

adjusted variance 14220.26

Ho: nbtopemb(technique==FIV) = nbtopemb(technique==ICSI)

z = 0.533

Prob > |z| = 0.5944

P{nbtopemb(technique==FIV) > nbtopemb(technique==ICSI)} = 0.532

nbblast (Nb total de blastocystes)

Summary for variables: nbblast
 by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	22	4.090909	4	2.286796	1	10
ICSI	24	3.291667	3	1.876147	1	8
Total	46	3.673913	3.5	2.098193	1	10

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbblast	22	0.95619	1.110	0.212	0.41622

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbblast	24	0.89086	2.944	2.202	0.01385

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	7.3321805	1	7.3321805	1.69	0.2002
Within groups	190.776515	44	4.33582989		
Total	198.108696	45	4.40241546		

Bartlett's test for equal variances: $\chi^2(1) = 0.8405$ Prob> $\chi^2 = 0.359$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	22	4.090909	.4875466	2.286796	3.077	5.104818
ICSI	24	3.291667	.3829669	1.876147	2.499439	4.083894
combined	46	3.673913	.3093617	2.098193	3.050827	4.297
diff		.7992424	.6146078		-.4394182	2.037903

diff = mean(FIV) - mean(ICSI) t = 1.3004
 Ho: diff = 0 degrees of freedom = 44

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.8999 Pr(|T| > |t|) = 0.2002 Pr(T > t) = 0.1001

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	22	580.5	517
ICSI	24	500.5	564
combined	46	1081	1081

unadjusted variance 2068.00
 adjustment for ties -62.75
 adjusted variance 2005.25

Ho: nbblast(technique==FIV) = nbblast(technique==ICSI)
 $z = 1.418$
 Prob > |z| = 0.1562

$P\{\text{nbblast(technique==FIV)} > \text{nbblast(technique==ICSI)}\} = 0.620$

nbtopblast (Nb TOP blastocystes)

Summary for variables: nbtopblast
 by categories of: technique (Technique de l'AMP)

technique	N	mean	p50	sd	min	max
FIV	22	2.5	2.5	1.945691	0	8
ICSI	24	1.875	2	1.423789	0	6
Total	46	2.173913	2	1.703648	0	8

-> technique==FIV

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbtopleft	22	0.93511	1.644	1.008	0.15675

-> technique==ICSI

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
nbtopleft	24	0.88820	3.016	2.251	0.01221

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	4.48369565	1	4.48369565	1.56	0.2177
Within groups	126.125	44	2.86647727		
Total	130.608696	45	2.90241546		

Bartlett's test for equal variances: $\chi^2(1) = 2.0796$ Prob> $\chi^2 = 0.149$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
FIV	22	2.5	.4148228	1.945691	1.637329	3.362671
ICSI	24	1.875	.2906296	1.423789	1.273787	2.476213
combined	46	2.173913	.2511891	1.703648	1.667992	2.679834
diff		.625	.4997309		-.3821415	1.632141

diff = mean(FIV) - mean(ICSI) t = 1.2507
 Ho: diff = 0 degrees of freedom = 44

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 0.8912 Pr(|T| > |t|) = 0.2177 Pr(T > t) = 0.1088

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

technique	obs	rank sum	expected
FIV	22	570	517
ICSI	24	511	564
combined	46	1081	1081

unadjusted variance 2068.00
 adjustment for ties -105.22

adjusted variance 1962.78

Ho: nbtopleft(technique==FIV) = nbtopleft(technique==ICSI)

z = 1.196
 Prob > |z| = 0.2316

P{nbtopleft(technique==FIV) > nbtopleft(technique==ICSI)} = 0.600

```

25 . ***
26 . ***IV . La congélation : Quand le transfert est fait à J2, la congélation est
> faite systématiquement à J3.
27 . ***Mais quand le transfert est fait à J5 et/ou J6 la congélation peut se faire
> uniquement à J5 ou uniquement à J6
28 . ***ou pour une m^me ponction on peut avoir 2 cycles de congélations 1 à J5 e
> t 1 à J6. Je veux calculer le % de cycle
29 . ***avec uniquement de la congélation à J5, le % de cycle avec uniquement de 1
> a congélation à J6 et le % de cycle avec de la congélation à J5 et J6)
30 . ***
31 . sum L M N O P Q

```

Variable	Obs	Mean	Std. Dev.	Min	Max
L	43	1	0	1	1
M	31	1	0	1	1
N	16	1	0	1	1
O	22	1	0	1	1
P	7	1	0	1	1
Q	9	1	0	1	1

```

32 . tab groupe

```

Groupe	Freq.	Percent	Cum.
SET J2	43	48.31	48.31
SET J5	46	51.69	100.00
Total	89	100.00	

```

33 . ***Pourcentage de cycles avec congélation à J3 = L / nb de cycles SET J2)

```

```

34 . display 43/43*100

```

100

```

35 . ***Pourcentage de cycles avec congélation à J5 =

```

```

36 . display 31/46*100

```

67.391304

```

37 . ***Pourcentage de cycles avec congélation uniquement à J5 =

```

```

38 . display 22/46*100

```

47.826087

```

39 . ***Pourcentage de cycles avec congélation à J6 =

```

```

40 . display 16/46*100

```

34.782609

```

41 . ***Pourcentage de cycles avec congélation uniquement à J6 =

```

```

42 . display 7/46*100

```

15.217391

```

43 . ***Pourcentage de cycles avec congélation à la fois à J5 et J6 =

```



```
44 . display 9/46*100
```

```
19.565217
```

```
45 . ***
```

```
46 . tab restcong2 groupe
```

restcong2	Groupe		Total
	SET J2	SET J5	
1	25	24	49
Total	25	24	49

```
47 . ***Pourcentage de cycles avec des embryons à J2 encore congelés =
```

```
48 .
```

```
49 .
```

```
50 .
```

```
51 . ***Moyenne des embryons à J2 congelés
```

```
52 . ***Moyenne des blastocystes congelés à J5 et J6
```

```
53 . tabstat embcg blastcqcq blastscxcg blastotcg, statistics( count mean median sd
> min max) column(statistics)
```

variable	N	mean	p50	sd	min	max
embcg	43	3.325581	3	1.948393	1	10
blastcqcq	46	1.782609	1	1.84888	0	8
blastscxcg	46	.6086957	0	.9770309	0	3
blastotcg	46	2.391304	2	1.98302	0	8

```
54 . ***comparaisons J2 J5 J6
```

```
55 . foreach var in blastotcg blastcqcq blastscxcg {
  2. replace `var'=embcg if groupe==1
  3. byvar groupe: swilk `var'
  4. oneway `var' groupe
  5. ttest `var', by(groupe)
  6. ranksum `var', by(groupe) porder
  7. replace `var'=. if groupe==1
  8. }
(43 real changes made)
```

```
-> groupe==SET J2
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastotcg	43	0.88069	4.987	3.396	0.00034

```
-> groupe==SET J5
```

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastotcg	46	0.93734	2.760	2.155	0.01559

Source	Analysis of Variance			F	Prob > F
	SS	df	MS		
Between groups	19.3993706	1	19.3993706	5.02	0.0276
Within groups	336.398382	87	3.86664807		
Total	355.797753	88	4.04315628		

Bartlett's test for equal variances: $\chi^2(1) = 0.0133$ Prob> $\chi^2 = 0.908$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	3.325581	.2971271	1.948393	2.725955	3.925208
SET J5	46	2.391304	.2923803	1.98302	1.80242	2.980189
combined	89	2.842697	.2131401	2.01076	2.419125	3.266268
diff		.934277	.4171086		.1052285	1.763326

diff = mean(**SET J2**) - mean(**SET J5**) t = **2.2399**
 Ho: diff = 0 degrees of freedom = **87**

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = **0.9862** Pr(|T| > |t|) = **0.0276** Pr(T > t) = **0.0138**

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	2221.5	1935
SET J5	46	1783.5	2070
combined	89	4005	4005

unadjusted variance **14835.00**
 adjustment for ties **-493.24**

adjusted variance **14341.76**

Ho: $\text{blasto} \sim g(\text{groupe} == \text{SET J2}) = \text{blasto} \sim g(\text{groupe} == \text{SET J5})$

z = **2.392**

Prob > |z| = **0.0167**

P{ $\text{blasto} \sim g(\text{groupe} == \text{SET J2}) > \text{blasto} \sim g(\text{groupe} == \text{SET J5})$ } = **0.645**

(43 real changes made, 43 to missing)

(43 real changes made)

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastcqcq	43	0.88069	4.987	3.396	0.00034

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastcqcq	46	0.89589	4.587	3.232	0.00061

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	52.9118279	1	52.9118279	14.69	0.0002
Within groups	313.267947	87	3.600781		
Total	366.179775	88	4.16113381		

Bartlett's test for equal variances: $\chi^2(1) = 0.1181$ Prob> $\chi^2 = 0.731$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	3.325581	.2971271	1.948393	2.725955	3.925208
SET J5	46	1.782609	.2726025	1.84888	1.233559	2.331658
combined	89	2.52809	.2162275	2.039886	2.098383	2.957797
diff		1.542973	.4025133		.742934	2.343011

diff = mean(SET J2) - mean(SET J5) t = 3.8333
Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = 0.9999 Pr(|T| > |t|) = 0.0002 Pr(T > t) = 0.0001

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	2401.5	1935
SET J5	46	1603.5	2070
combined	89	4005	4005

unadjusted variance 14835.00
adjustment for ties -510.92
adjusted variance 14324.08

Ho: blastc~g(groupe==SET J2) = blastc~g(groupe==SET J5)
z = 3.898
Prob > |z| = 0.0001

P{blastc~g(groupe==SET J2) > blastc~g(groupe==SET J5)} = 0.736
(43 real changes made, 43 to missing)
(43 real changes made)

-> groupe==SET J2

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastsxcg	43	0.88069	4.987	3.396	0.00034

-> groupe==SET J5

Shapiro-Wilk W test for normal data

Variable	Obs	W	V	z	Prob>z
blastsxcg	46	0.86333	6.021	3.810	0.00007

Analysis of Variance					
Source	SS	df	MS	F	Prob > F
Between groups	164.051056	1	164.051056	70.52	0.0000
Within groups	202.398382	87	2.32641819		
Total	366.449438	88	4.16419816		

Bartlett's test for equal variances: $\chi^2(1) = 19.2975$ Prob> $\chi^2 = 0.000$

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf. Interval]	
SET J2	43	3.325581	.2971271	1.948393	2.725955	3.925208
SET J5	46	.6086957	.1440553	.9770309	.3185533	.898838
combined	89	1.921348	.2163071	2.040637	1.491483	2.351213
diff		2.716886	.3235383		2.073818	3.359953

diff = mean(SET J2) - mean(SET J5) t = 8.3974
 Ho: diff = 0 degrees of freedom = 87

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
 Pr(T < t) = 1.0000 Pr(|T| > |t|) = 0.0000 Pr(T > t) = 0.0000

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	2766	1935
SET J5	46	1239	2070
combined	89	4005	4005

unadjusted variance 14835.00
 adjustment for ties -810.82

adjusted variance 14024.18

Ho: blasts~g(groupe==SET J2) = blasts~g(groupe==SET J5)
 $z = 7.017$
 Prob > |z| = 0.0000

P{blasts~g(groupe==SET J2) > blasts~g(groupe==SET J5)} = 0.920
 (43 real changes made, 43 to missing)

56 .
 57 . ***V. Taux de survie des embryons congelés et taux moyen de survie :
 58 . ratio ET1/tecunbdec

Ratio estimation Number of obs = 45

_ratio_1: ET1/tecunbdec

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.7727273	.0473202	.6773598	.8680948

59 . ratio ET2/tecdbnbec

Ratio estimation Number of obs = 21

_ratio_1: ET2/tecdbnbec

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.8333333	.0569275	.7145846	.952082

60 . ratio ET3/tectnbdec

Ratio estimation Number of obs = 7

_ratio_1: ET3/tectnbdec

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.6666667	.1600183	.275116	1.058217

61 . ratio ET4/tecqnbdec

Ratio estimation Number of obs = 1

_ratio_1: ET4/tecqnbdec

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	1	0	.	.

```

62 . ***Taux moyen
63 . display (0.77+0.83+0.67+1)/4
    .8175

64 . ***
65 . ***VI. Calcul des taux
66 . ***Frais
67 . foreach var of varlist gbiofr gclifr accfr cfcfr agefr {
    2. local lbl : variable label `var'
    3. display " "
    4. display "`var'" " Taux de : " "(" "`lbl'" ")"
    5. mean `var'
    6. tab `var' groupe, row col expected chi exact nokey
    7. }

```

gbiofr Taux de : (Grossesses biochimiques (frais))

Mean estimation Number of obs = **89**

	Mean	Std. Err.	[95% Conf. Interval]	
gbiofr	.4494382	.053027	.3440583	.5548181

Grossesses biochimiqu es (frais)	Groupe		Total
	SET J2	SET J5	
Non	22	27	49
	23.7	25.3	49.0
	44.90	55.10	100.00
	51.16	58.70	55.06
Oui	21	19	40
	19.3	20.7	40.0
	52.50	47.50	100.00
	48.84	41.30	44.94
Total	43	46	89
	43.0	46.0	89.0
	48.31	51.69	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.5097 Pr = **0.475**
 Fisher's exact = **0.527**
 1-sided Fisher's exact = **0.308**

gclifr Taux de : (Grossesses cliniques (frais))

Mean estimation Number of obs = **89**

	Mean	Std. Err.	[95% Conf. Interval]	
gclifr	.4157303	.0525377	.3113227	.520138

Grossesses cliniques (frais)	Groupe		Total
	SET J2	SET J5	
Non	23	29	52
	25.1	26.9	52.0
	44.23	55.77	100.00
	53.49	63.04	58.43
Oui	20	17	37
	17.9	19.1	37.0
	54.05	45.95	100.00
	46.51	36.96	41.57
Total	43	46	89
	43.0	46.0	89.0
	48.31	51.69	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.8354 Pr = 0.361
 Fisher's exact = 0.396
 1-sided Fisher's exact = 0.242

accfr Taux de : (Accouchements (frais))

Mean estimation Number of obs = 89

	Mean	Std. Err.	[95% Conf. Interval]	
accfr	.3595506	.0511542	.2578924	.4612087

Accouchements (frais)	Groupe		Total
	SET J2	SET J5	
Non	26	31	57
	27.5	29.5	57.0
	45.61	54.39	100.00
	60.47	67.39	64.04
Oui	17	15	32
	15.5	16.5	32.0
	53.12	46.88	100.00
	39.53	32.61	35.96
Total	43	46	89
	43.0	46.0	89.0
	48.31	51.69	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.4630 Pr = 0.496
 Fisher's exact = 0.516
 1-sided Fisher's exact = 0.323

cfcfr Taux de : (Fausses couches (frais))

Mean estimation Number of obs = 89

	Mean	Std. Err.	[95% Conf. Interval]	
cfcfr	.0449438	.0220855	.0010534	.0888342

Fausses couches (frais)	Groupe		Total
	SET J2	SET J5	
Non	40	45	85
	41.1	43.9	85.0
	47.06	52.94	100.00
	93.02	97.83	95.51
Oui	3	1	4
	1.9	2.1	4.0
	75.00	25.00	100.00
	6.98	2.17	4.49
Total	43	46	89
	43.0	46.0	89.0
	48.31	51.69	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 1.1944 Pr = 0.274
 Fisher's exact = 0.350
 1-sided Fisher's exact = 0.283

agcfr Taux de : ()

Mean estimation Number of obs = 89

	Mean	Std. Err.	[95% Conf. Interval]	
agcfr	.3595506	.0511542	.2578924	.4612087

agcfr	Groupe		Total
	SET J2	SET J5	
0	26	31	57
	27.5	29.5	57.0
	45.61	54.39	100.00
	60.47	67.39	64.04
1	17	15	32
	15.5	16.5	32.0
	53.12	46.88	100.00
	39.53	32.61	35.96
Total	43	46	89
	43.0	46.0	89.0
	48.31	51.69	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.4630 Pr = 0.496
 Fisher's exact = 0.516
 1-sided Fisher's exact = 0.323


```

68 . ***
69 .
70 .
71 . ***VII. Sex ratio :
72 . ratio fille/garcon

```

Ratio estimation Number of obs = 89

_ratio_1: **fille/garcon**

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	2.375	1.006647	.3744999	4.3755

```

73 . byvar groupe: ratio fille/garcon

```

```

-> groupe==SET J2

```

Ratio estimation Number of obs = 43

_ratio_1: **fille/garcon**

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	13	13.6504	-14.54762	40.54762

```

-> groupe==SET J5

```

Ratio estimation Number of obs = 46

_ratio_1: **fille/garcon**

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.8571429	.4821397	-.1139364	1.828222

```

74 . tab groupe sexenfanu, expected row col chi exact nokey

```

Groupe	sexenfanu		Total
	F	G	
SET J2	13	1	14
	9.9	4.1	14.0
	92.86	7.14	100.00
	68.42	12.50	51.85
SET J5	6	7	13
	9.1	3.9	13.0
	46.15	53.85	100.00
	31.58	87.50	48.15
Total	19	8	27
	19.0	8.0	27.0
	70.37	29.63	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 7.0516 Pr = 0.008
 Fisher's exact = 0.013
 1-sided Fisher's exact = 0.011

75 . cci 13 1 7 7, nocrude exact

	Exposed	Unexposed	Total	Proportion Exposed
Cases	13	1	14	0.9286
Controls	7	7	14	0.5000
Total	20	8	28	0.7143
	Point estimate		[95% Conf. Interval]	
Odds ratio	13		1.1526	629.6304 (exact)
Attr. frac. ex.	.9230769		.1323965	.9984118 (exact)
Attr. frac. pop	.8571429			

1-sided Fisher's exact P = 0.0164

2-sided Fisher's exact P = 0.0329

76 . ***

77 . ***VIII. Etude de la qualité des embryons transférés

78 . foreach var in beblasttr tblasttr {
 2. gen `var'2=`var'
 3. replace `var'2="" if `var'2=="NV"
 4. encode `var'2, gen(`var'3)
 5. }
 (50 missing values generated)
 (6 real changes made)
 (50 missing values generated)
 (6 real changes made)

79 .

80 . foreach var in beblasttr tblasttr {
 2. label define scoreblast 1 "Bien" 2 "Moyen" 3 "Mauvais", add
 3. label values `var'3 scoreblast
 4. label var beblasttr3 "Score du bouton embryonnaire"
 5. label var tblasttr3 "Score du trophoctoderme"
 6. local lbl : variable label `var'3
 7. display " "
 8. display "`var'3" " " " (" "`lbl'" ")"
 9. tab gcli `var'3, expected row col chi exact
 10. xi:logistic gcli i.`var'3
 11. label drop scoreblast
 12. }

beblasttr3 (Score du bouton embryonnaire)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

Grossesses cliniques (frais)	Score du bouton embryonnaire			Total
	Bien	Moyen	Mauvais	
Non	13	4	2	19
	14.4	3.5	1.2	19.0
	68.42	21.05	10.53	100.00
	52.00	66.67	100.00	57.58
Oui	12	2	0	14
	10.6	2.5	0.8	14.0
	85.71	14.29	0.00	100.00
	48.00	33.33	0.00	42.42
Total	25	6	2	33
	25.0	6.0	2.0	33.0
	75.76	18.18	6.06	100.00
	100.00	100.00	100.00	100.00

Pearson chi2(2) = 1.9949 Pr = 0.369

Fisher's exact = 0.568

i.bebblasttr3 _Ibeblasttr_1-3 (naturally coded; _Ibeblasttr_1 omitted)

note: _Ibeblasttr_3 != 0 predicts failure perfectly

_Ibeblasttr_3 dropped and 2 obs not used

Logistic regression

Number of obs = 31

LR chi2(1) = 0.43

Prob > chi2 = 0.5126

Pseudo R2 = 0.0100

Log likelihood = -21.127759

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Ibeblasttr~2	.5416667	.5167899	-0.64	0.520	.0834878	3.514318

tblasttr3 (Score du trophoctoderme)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Grossesses cliniques (frais)	Score du trophectoderme		Total
	Bien	Moyen	
Non	14	5	19
	15.0	4.0	19.0
	73.68	26.32	100.00
	53.85	71.43	57.58
Oui	12	2	14
	11.0	3.0	14.0
	85.71	14.29	100.00
	46.15	28.57	42.42
Total	26	7	33
	26.0	7.0	33.0
	78.79	21.21	100.00
	100.00	100.00	100.00

Pearson chi2(1) = 0.6980 Pr = 0.403
 Fisher's exact = 0.670
 1-sided Fisher's exact = 0.348
 i.tblasttr3 _Itblasttr3_1-2 (naturally coded; _Itblasttr3_1 omitted)

Logistic regression Number of obs = 33
 LR chi2(1) = 0.72
 Prob > chi2 = 0.3956
 Pseudo R2 = 0.0160
 Log likelihood = -22.132715

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]
_Itblasttr~2	.4666667	.4314489	-0.82	0.410	.0762154 2.8574

```

81 .
82 . drop beblasttr2 tblasttr2 beblasttr3 tblasttr3 _Itblasttr3_2

83 .
84 . foreach var in zygebtr nbcelebtr typcelebtr rcembtr nuc bblasttr{
    2. local lbl : variable label `var'
    3. display " "
    4. display "`var'" " " "(" "`lbl'" ")"
    5. tab gcli `var', expected row col chi exact
    6. xi:logistic gcli i.`var'
    7. }
  
```

zygebtr (État du zygote)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 5: enumerations = 1
stage 4: enumerations = 2
stage 3: enumerations = 7
stage 2: enumerations = 22
stage 1: enumerations = 0

Grossesses cliniques (frais)	État du zygote					Total
	Syngamie	Stade 2 c	Zygote sc	Zygote sc	Zygote sc	
Non	5	0	7	22	18	52
	5.8	0.6	7.6	19.3	18.7	52.0
	9.62	0.00	13.46	42.31	34.62	100.00
	50.00	0.00	53.85	66.67	56.25	58.43
Oui	5	1	6	11	14	37
	4.2	0.4	5.4	13.7	13.3	37.0
	13.51	2.70	16.22	29.73	37.84	100.00
	50.00	100.00	46.15	33.33	43.75	41.57
Total	10	1	13	33	32	89
	10.0	1.0	13.0	33.0	32.0	89.0
	11.24	1.12	14.61	37.08	35.96	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

Pearson chi2(4) = 2.7949 Pr = 0.593

Fisher's exact = 0.613

i.zygembtr _Izygembtr_1-55 (naturally coded; _Izygembtr_1 omitted)

note: _Izygembtr_2 != 0 predicts success perfectly

_Izygembtr_2 dropped and 1 obs not used

Logistic regression

Number of obs = 88

LR chi2(3) = 1.39

Prob > chi2 = 0.7077

Log likelihood = -58.838908

Pseudo R2 = 0.0117

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Izygembt~53	.8571429	.7219992	-0.18	0.855	.1644594	4.467328
_Izygembt~54	.5	.3661839	-0.95	0.344	.1190083	2.100693
_Izygembt~55	.7777778	.5646175	-0.35	0.729	.1874723	3.226814

nbcelembr (Nb cellules / État à J2)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 7: enumerations = 1
stage 6: enumerations = 2
stage 5: enumerations = 5
stage 4: enumerations = 7
stage 3: enumerations = 7
stage 2: enumerations = 12
stage 1: enumerations = 0

Grossesses cliniques (frais)	Nb cellules / État à J2					
	2	3	4	5	6	7
> 8 | Total						
> Non	2	0	42	2	3	2
> 1 |	52					
> 1.8 |	1.8	0.6	42.1	2.3	2.3	1.2
> 1.8 |	52.0					
> 1.92 |	3.85	0.00	80.77	3.85	5.77	3.85
> 1.92 |	100.00					
> 33.33 |	66.67	0.00	58.33	50.00	75.00	100.00
> 33.33 |	58.43					
> Oui	1	1	30	2	1	0
> 2 |	37					
> 1.2 |	1.2	0.4	29.9	1.7	1.7	0.8
> 1.2 |	37.0					
> 5.41 |	2.70	2.70	81.08	5.41	2.70	0.00
> 5.41 |	100.00					
> 66.67 |	33.33	100.00	41.67	50.00	25.00	0.00
> 66.67 |	41.57					
> Total	3	1	72	4	4	2
> 3 |	89					
> 3.0 |	3.0	1.0	72.0	4.0	4.0	2.0
> 3.0 |	89.0					
> 3.37 |	3.37	1.12	80.90	4.49	4.49	2.25
> 3.37 |	100.00					
> 100.00 |	100.00	100.00	100.00	100.00	100.00	100.00
> 100.00 |	100.00					

Pearson chi2(6) = 4.2596 Pr = 0.642

Fisher's exact = 0.783

i.nbcelembtr _Inbcelembt_2-8 (naturally coded; _Inbcelembt_2 omitted)

note: _Inbcelembt_3 != 0 predicts success perfectly
_Inbcelembt_3 dropped and 1 obs not used

note: _Inbcelembt_7 != 0 predicts failure perfectly
_Inbcelembt_7 dropped and 2 obs not used

Logistic regression

Number of obs = 86

LR chi2(4) = 1.45

Prob > chi2 = 0.8361

Pseudo R2 = 0.0124

Log likelihood = -57.742929

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Inbcelemb~4	1.428571	1.78265	0.29	0.775	.1238014	16.4846
_Inbcelemb~5	2	3.162278	0.44	0.661	.0901908	44.35043
_Inbcelemb~6	.6666667	1.122167	-0.24	0.810	.0246107	18.05903
_Inbcelemb~8	4	6.928203	0.80	0.423	.1341948	119.2297

typcelembtr (Type / État à J2)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Grossesses cliniques (frais)	Type / État à J2		Total
Cellules	Atypie	ce	
Non	49	3	52
	49.1	2.9	52.0
	94.23	5.77	100.00
	58.33	60.00	58.43
Oui	35	2	37
	34.9	2.1	37.0
	94.59	5.41	100.00
	41.67	40.00	41.57
Total	84	5	89
	84.0	5.0	89.0
	94.38	5.62	100.00
	100.00	100.00	100.00

Pearson chi2(1) = **0.0054** Pr = **0.941**

Fisher's exact = 1.000

1-sided Fisher's exact = **0.659**

i.typcelembtr _Itypcelemb_1-2 (naturally coded; _Itypcelemb_1 omitted)

Logistic regression

Number of obs = **89**

LR chi2(1) = **0.01**

Prob > chi2 = **0.9413**

Pseudo R2 = **0.0000**

Log likelihood = **-60.417293**

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Itypcelemb~2	.9333333	.8766941	-0.07	0.941	.1480779	5.882789

rcembtr (Reste cytoplasmique à J2 (%))

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 7: enumerations = 1
stage 6: enumerations = 2
stage 5: enumerations = 6
stage 4: enumerations = 18
stage 3: enumerations = 48
stage 2: enumerations = 156
stage 1: enumerations = 0

Grossesses cliniques (frais)	Reste cytoplasmique à J2 (%)					
	0	5	10	15	20	25
> 30	Total					
> Non	26	9	10	1	4	1
> 1	52					
> 1.8	26.9	11.7	7.6	1.2	2.3	0.6
> 1.92	52.0					
> 33.33	50.00	17.31	19.23	1.92	7.69	1.92
	100.00					
	56.52	45.00	76.92	50.00	100.00	100.00
	58.43					
> Oui	20	11	3	1	0	0
> 2	37					
> 1.2	19.1	8.3	5.4	0.8	1.7	0.4
> 5.41	37.0					
> 66.67	54.05	29.73	8.11	2.70	0.00	0.00
	100.00					
	43.48	55.00	23.08	50.00	0.00	0.00
	41.57					
> Total	46	20	13	2	4	1
> 3	89					
> 3.0	46.0	20.0	13.0	2.0	4.0	1.0
> 3.37	89.0					
> 100.00	51.69	22.47	14.61	2.25	4.49	1.12
	100.00					
	100.00	100.00	100.00	100.00	100.00	100.00
	100.00					

Pearson chi2(6) = 7.7780 Pr = 0.255

Fisher's exact = 0.209

i.rcembtr _Ircembtr_0-30 (naturally coded; _Ircembtr_0 omitted)

note: _Ircembtr_20 != 0 predicts failure perfectly
_Ircembtr_20 dropped and 4 obs not used

note: _Ircembtr_25 != 0 predicts failure perfectly
_Ircembtr_25 dropped and 1 obs not used

Logistic regression

Number of obs = 84

LR chi2(4) = 4.11

Prob > chi2 = 0.3916

Pseudo R2 = 0.0356

Log likelihood = -55.573616

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Ircembtr_5	1.588889	.8563532	0.86	0.390	.5524931	4.56941
_Ircembtr_10	.39	.2817178	-1.30	0.192	.0946665	1.606693
_Ircembtr_15	1.3	1.878696	0.18	0.856	.0765294	22.083
_Ircembtr_30	2.6	3.276889	0.76	0.448	.2198712	30.74527

nuc (Qualité des nucléoles à J2)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 4: enumerations = 1

stage 3: enumerations = 1

stage 2: enumerations = 2

stage 1: enumerations = 0

Grossesses cliniques (frais)	Qualité des nucléoles à J2				Total
	Noyaux no	Noyaux vu	3	10	
Non	18	23	1	10	52
	18.1	22.2	0.6	11.1	52.0
	34.62	44.23	1.92	19.23	100.00
	58.06	60.53	100.00	52.63	58.43
Oui	13	15	0	9	37
	12.9	15.8	0.4	7.9	37.0
	35.14	40.54	0.00	24.32	100.00
	41.94	39.47	0.00	47.37	41.57
Total	31	38	1	19	89
	31.0	38.0	1.0	19.0	89.0
	34.83	42.70	1.12	21.35	100.00
	100.00	100.00	100.00	100.00	100.00

Pearson chi2(3) = 1.0449 Pr = 0.790

Fisher's exact = 0.895

i.nuc _Inuc_0-10 (naturally coded; _Inuc_0 omitted)

note: _Inuc_3 != 0 predicts failure perfectly

_Inuc_3 dropped and 1 obs not used

Logistic regression

Number of obs = 88

LR chi2(2) = 0.32

Prob > chi2 = 0.8510

Pseudo R2 = 0.0027

Log likelihood = -59.717193

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Inuc_1	.90301	.4447941	-0.21	0.836	.3438885	2.371196
_Inuc_10	1.246154	.7304521	0.38	0.707	.3950271	3.931121

bblasttr (Score blastocyste)

Key
<i>frequency</i>
<i>expected frequency</i>
<i>row percentage</i>
<i>column percentage</i>

Enumerating sample-space combinations:

stage 4: enumerations = 1
stage 3: enumerations = 2
stage 2: enumerations = 4
stage 1: enumerations = 0

Grossesses cliniques (frais)	Score blastocyste				Total
	Score 1	Score 2	Score 3	Score 4	
Non	5	1	11	12	29
	3.8	0.6	10.7	13.9	29.0
	17.24	3.45	37.93	41.38	100.00
	83.33	100.00	64.71	54.55	63.04
Oui	1	0	6	10	17
	2.2	0.4	6.3	8.1	17.0
	5.88	0.00	35.29	58.82	100.00
	16.67	0.00	35.29	45.45	36.96
Total	6	1	17	22	46
	6.0	1.0	17.0	22.0	46.0
	13.04	2.17	36.96	47.83	100.00
	100.00	100.00	100.00	100.00	100.00

Pearson chi2(3) = 2.3485 Pr = 0.503

Fisher's exact = **0.610**

i.bblasttr _Iblasttr_1-4 (naturally coded; _Iblasttr_1 omitted)

note: _Iblasttr_2 != 0 predicts failure perfectly
_Iblasttr_2 dropped and 1 obs not used

Logistic regression	Number of obs	=	45
	LR chi2(2)	=	1.87
	Prob > chi2	=	0.3927
Log likelihood = -28.898793	Pseudo R2	=	0.0313

gclifr	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf. Interval]	
_Iblasttr_3	2.727273	3.292585	0.83	0.406	.2559111	29.06485
_Iblasttr_4	4.166667	4.900548	1.21	0.225	.4155888	41.77473

Ha: diff < 0
Pr(T < t) = **0.7228**

Ha: diff != 0
Pr(|T| > |t|) = **0.5544**

Ha: diff > 0
Pr(T > t) = **0.2772**

Two-sample Wilcoxon rank-sum (Mann-Whitney) test

groupe	obs	rank sum	expected
SET J2	43	1997	1935
SET J5	46	2008	2070
combined	89	4005	4005

unadjusted variance **14835.00**
adjustment for ties **-7857.57**

adjusted variance **6977.43**

Ho: nbcele~r(groupe==SET J2) = nbcele~r(groupe==SET J5)

z = **0.742**

Prob > |z| = **0.4579**

P{nbcele~r(groupe==SET J2) > nbcele~r(groupe==SET J5)} = **0.531**

87 .
88 . *****IX. Taux interessant à calculer :**
89 . *****Taux des TOP embryons en fonction des embryons obtenus à J2**
90 . ratio nbtopemb/nbemb

Ratio estimation Number of obs = **89**

_ratio_1: **nbtopemb/nbemb**

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.7008547	.0254846	.6502094	.7515

91 . *****Taux des Blastocystes en fonction des embryons obtenus à J2**
92 . ratio nbblast/nbemb

Ratio estimation Number of obs = **46**

_ratio_1: **nbblast/nbemb**

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.4311224	.0362034	.3582051	.5040398

93 . ***Taux des Blastocystes en fonction des TOP embryons obtenus à J2
 94 . ratio nbblast/nbtopenb

Ratio estimation Number of obs = 46

_ratio_1: nbblast/nbtopenb

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.6575875	.0367003	.5836693	.7315058

95 . ***Taux des TOP Blastocystes en fonction des embryons obtenus à J2
 96 . ratio nbtopblast/nbemb

Ratio estimation Number of obs = 46

_ratio_1: nbtopblast/nbemb

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.255102	.028347	.1980083	.3121958

97 . ***Taux des TOP Blastocystes en fonction des TOP embryons obtenus à J2
 98 . ratio nbtopblast/nbtopenb

Ratio estimation Number of obs = 46

_ratio_1: nbtopblast/nbtopenb

	Ratio	Linearized Std. Err.	[95% Conf. Interval]	
_ratio_1	.3891051	.0343751	.31987	.4583402

99 .
 100 . ***FIN
 101 .
 end of do-file

102 . do "/var/folders/cl/clEHhMrrHJyOpn-Nzt3QOE+++TI/-Tmp-//SD35238.000000"

103 . ***FIN
 104 .
 end of do-file