12.8%～23% 8, 11 . S CC

12 . S

A CC

13, 14

15, 16 .

C

1893 17 , S

18

19 21

22 1990 .

	S			S			S		
	SEC	C . . .		SEC	C . . .		SEC	C . . .	
. . . . . .	45	215		26	131		19	84	
. . . .	41	188	0.596	25	115	0.215	16	73	0.826
. . . .	4	27		1	16		3	11	
A . (. . .)									
. . .	30 74	28 81	0.438	30 74	29 80	0.128	42 71	28 81	0.4
. . . ±SD	55.8±9.8	57.3±11.0		53.5±10.2	57.2±11.3		59.4±8.1	57.1±11.2	
C									
C . . A	18	97	0.622	8	66	0.076	10	31	0.426
C . . B	26	109		18	60		8	49	
C . . C	1	9		0	5		1	4	
. . . . . .									
. N . . .	66	294		39	182		27	112	
1	31	151	0.126	17	92	0.632	14	59	0.06
2	7	49		5	27		2	22	
3	7	15		4	12		3	3	
S . .									
. . .	16 60	11 60	0.455	15 30	11 30	0.588	31 60	31 60	0.208
. . .	27	29		22.5	22.5		36	36	
. . . ±SD	30.2±10.8	30.4±9.4		23.2±4.5	22.5±4.8		40.2±8.6	37.9±6.5	
. . . . . .									
. S	10	81	0.106	6	55	0.31	4	26	0.315
. ACE	8	40		5	19		3	21	
S . . . . ACE	0	4		0	1		0	3	
N	27	90		15	56		12	34	

. ACE, ...

S . . . , B . . , ▪ . . .). . . . . 1.5 . . . (S . E . . -S . . . , ▪ E . . . . . S . . .), ... (. . . . . . , S . . . . ; 0.1 . . . . / . . . .).

M c . . . ab a . . ec . . . e . . d e . . . .

A . . . . S . . . . ▪ . . . . (D . . . ; . . . . DE) . . . . (S . . . . B . . . . C . .). . . . . ▪ . . 1999 . . 2004, . . C- . . . . (. . A ▪ . . . . 207 . . . . A . . . . C . . . , B . . .) . . . . . ▪ . . . . 2450 . . . . . . 80 . . . . 16- . . . . . . 4, 6, 23 . ▪ . . 2005 . . 2006, . . N . -2000 . . . . (. . . . . N . . , C . .) . . . . ▪ . . . 2450 . . . . . . 100 . . . . 15- . . . . 24, 25 . . . . . . S . . . . 4, 6, 23 .

. L . . . . (. L . . , B.D., . .) . . . . A . . . . 4, 6, 23 . . . . 17 . . . . 17 . . . . A . . . . 60 . . . 300 . . . . A . . . . S . . . . 5 . . . . 5 . . . . 60°C . . . . 300 . . . . 54°C . . . . 3 . . . . . ▪ . . . . (. . . . . 180 1620 .).

SEC . . ec . . . c

. . . . SEC . . . . 500 . 1000 2000 SEC . . . . 21, 22 . . 23 . . . . A . . . .

79 ... (54.2 ± 14.3 ...).

S...a...ca...n...a

Results

O...e a... ...a e...n...d ...c fac...

... 1, 2, 3, 4 ... 5 ...
93.3%, 86.7%, 72.9%, 64.4% ... 60.8% ...
SEC ... 94%, 82.9%, 66%, 54.1% ...
44.4% ... (..., 1), ...
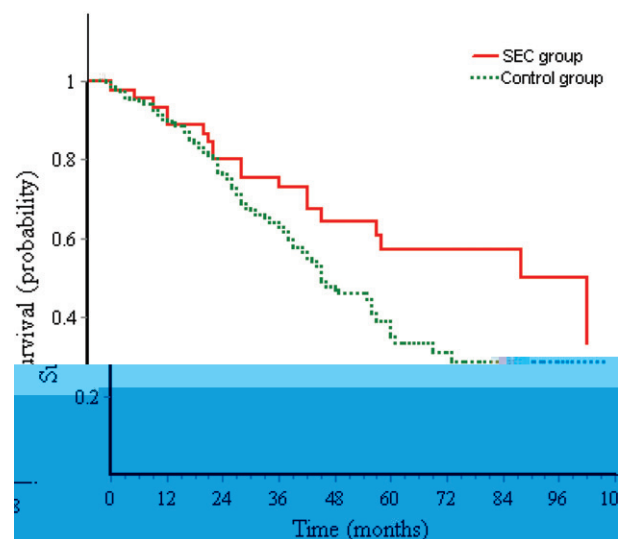
... 1. E... ... SEC ...
... (0.032).

(= 0.032)
... 1 ... 43 ... (95.5%) ... 204
... (94.9%), 3 ... 32 ... (71.1%)
140 ... (65.1%), 5 ... 19 ... (42.2%)
... 60 ... (27.9%) ... SEC

... 49 ... (5 107 ...; 2.5 97.5
..., 10.4 107 ...) ... SEC
... 40 ... (4 106 ..., 2.5 97.5
..., 7.4 91.8 ...) ...
... 74.4 ± 4.8
58.8 ± 1.2 ... SEC ...
(= 0.045,
= 0.049), ... (= 0.02, = 0.008)
C ... -1 ... (= 0.0, = 0.012)

S

(= 0.25) ... (= 0.856).

(= 0.257, 2).

S

SEC
... 1 ... (= 0.153,
3) ... 2 ...
(= 0.132). B ... SEC

... 1 (94.1 ± 8.9 65.6 ±
1.9) ... 2 (76.8 ± 8.2
... 48.6 ± 2).
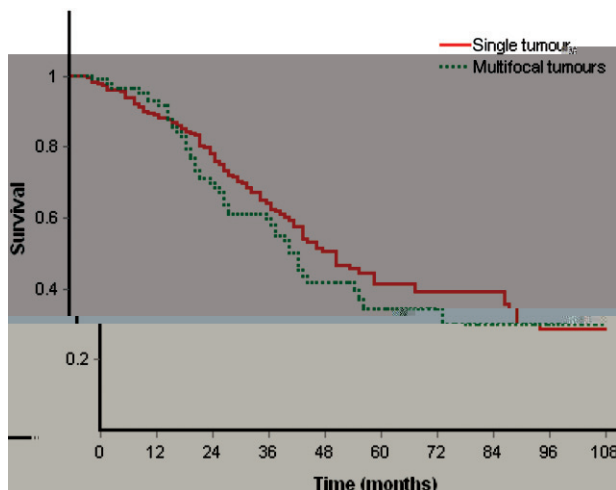
D ea e-f ee   a a e d   c fac

... 17
(1 95 ; 2.5 97.5 ..., 2.2
82.1) ... SEC ... 17
(1 98 , 2.5 97.5 ... 1
64.3)
... 30.8 ± 3.4
25.2 ± 0.7 ... SEC

1, 2, 3, 4 5 ... 64%, 43.2%, 31.2%,
16.7% 16.7% ... SEC ... 59.1%,
36.7%, 21.2%, 14.5% 7.6% ...
(= 0.195)
... (6.06%) ... SEC
31 ... (10.54%)
... (= 0.267)

... 1, 2, 3 4
62%, 44.4%, 37% 14.8% ... SEC ...
56.6%, 27.7%, 9.4% 7.5%
... 2 ... (4),
(= 0.032)
... (= 0.030)
... (= 0.023)
42.4 ± 7.1
19.6 ± 1.3 ... SEC
... 2
... (= 0.984)
... 1

Figure 2. S ... (0.257).

Figure 3. S ... SEC ... (0.153).

Adverse events

SEC
N
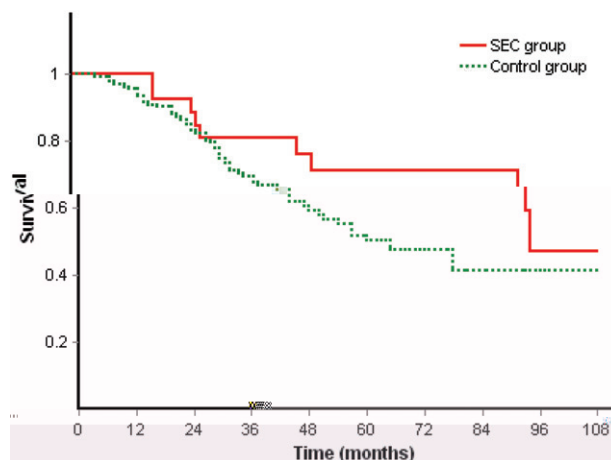
6 8   SEC
3
37.5 40.2°C
(38.5° ± 1.2°C)

SEC

SEC. N

SEC   27 .

Discussion

28 .

D

29 .

C

30 .

31 .

32 34 .

A

CC

8 11 .

-1,   -2,   -6,   N
N-γ

35 37 .

SEC

SEC

(D > 30   )   A
SEC,
A   C

SEC

A

SEC

SEC

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