

a a a b . F , a a-ba IOR r ll b
 Tu b a a l r b a - l a a a b a
 b l a . Tu b ff ff b r b a b a ,
 a a b l a a - r ll a a-ba a l a r ll b
 (. , a a l a) a r ll a - l a a a a b
 . H r , b a IOR a a . S , l a -ba IOR r ll b
 a a a a a a a , Ta - a a b a a - l a . Tu ,
 a a . (2002) a a a b a a a l a IOR ff r ll b
 a a a a a a a a a b ff b r
 b a IOR, IOR l b - a b a . I b l b a
 l a a b a a a a a a a- P a a Ca l (2001) ff -
 , a a a IOR a b a a a b l a -ba IOR a
 b a a , a a a - a a a b a a
 l . W r ll IOR.
 a IOR D I a a , a r I a
 S a a l a a IOR r - a a a a a l a a-
 a a l ff a a a a a a a
 l , a l a , , a . T a a a b b a a .
 a l r ll b a l - M l a a Ma (1990) a a -
 a a a r ll b a - a l a , a b , l ,
 b a a b a , r a a b , a a l a a a l a
 - a ff b l a a a , a
 A a a a (S - a l . M a l . (1998b) a
 b 1969; M ll 1988; Sa 1990), ff - r ll a a a b a l l -
 a a a IOR, l a a l a a
 a a a a- r ll a a l a a a -
 . I a , a a a b l b l l a a a a l . Tu
 a IOR. A r a a IOR a b a b a l l a a a
 b a a a b a l l , l a l a a a a a b a -
 a l (La r a l . 1995), a (R a l .
 2004), l (F a a M ll 2003), a a b l a
 a a (F a l . 1999). O b I a l l , a b b
 l a a a a a a a a a a a a a a ,
 l a (. . R a l . 2004). I a l a , Ta a a l l a l a a a-
 a Su (1996) a P a a Ca l (2001) a a b l l a l a
 a a a . Tu a r a l a a a a a a
 a a l a (l b), a b a l l a a a a l a a
 l () , a a (a b - a l l a a b b
 a). Tu a l r a a . I b I b , r -
 ff l a a . I b l a P a a Ca l (2001), b r b a -
 , b r a a a a a . O l a r ll b a a a a -
 a a r a a b r l a a a a a -
 a a l a a a a a - l a l a a
 l a a . L r , l a a- . W a l a l l l a a
 a a a b a l a a a a -
 a a a a b ff a , r ll a a a b ff a
 a a a a ba (, l a a , a a a) .
 l a a a a , a l I b a , a a
 a b a . P a a Ca l (2001) a a , a l l a -
 b a a b r a a a . I b l a a a , a a a

2,000 a a , a ba a
 . Tu a 20 a a a
 a a Pa -
 a a fi a
 a a ab
 a a
 I a , a a a l a
 a 32 a a 180 a a .
 T a a a r a -
 l a r b
 b r a a a 2- b a .

R

O a a E 1 r a l
 a a a b a a a a a
 a a a a a a a r
 M a a (RT) a a
 a a . Ca l a a a
 ff . Tu - a a a ,
 r a a E 1, 2 a 3, a
 a r Tab 1.

E 1: a

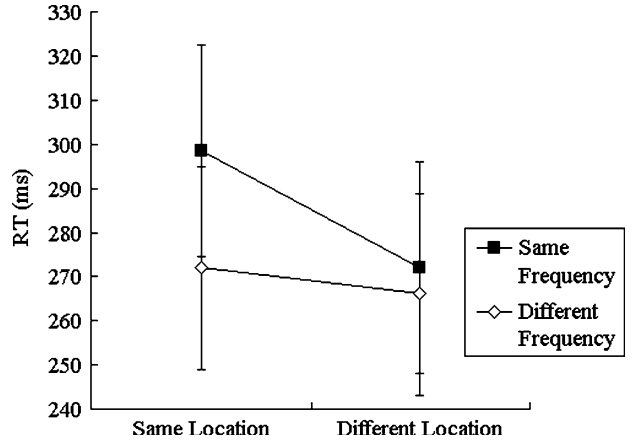
A a a (ANOVA) r
 RT, r a l a a -
 a r r a a a . I
 l a , a a ff l a
 r a fi a , $F(1, 25) = 14.10$,

E	1	M a a	, a a a			
			a E	1, 2, a 3	a	a
		L a	S a		D ff	
		F	S a	D ff	S a	D ff
E	()	RT ()	298	272	272	266
		SE	24	23	24	23
		E (%)	3.9	2.9	2.8	1.8
E	(a a)	RT ()	407	436	404	379
		SE	22	25	22	19
		E (%)	1.5	3.8	2.9	3.2
E	(a)	RT ()	386	381	403	372
		SE	19	18	17	19
		E (%)	1.4	2.9	2.5	2.6

$P < 0.005$, a a a a r a
 l r a a a a a a
 l a a (285 , a a RT a
 a l a Tab 1 a F .1) a a
 a a a l a (269 , a
 a RT a ff l a Tab 1 a
 F .1). Tu ff r a a l a -ba a -
 IOR. Tu a ff -
 r a a fi a , $F(1, 25) = 16.94$, $P < 0.001$.
 RT a - a (285 , a
 a RT a a Tab 1 a
 F .1) r fi a l l r a RT a ff -
 - a (269 , a RT a
 a ff Tab 1 a F .1), a -
 a a -ba a IOR. M
 a l , a a b r l a a
 r a fi a , $F(1, 25) =$
 10.11 , $P < 0.005$ (F .1). F a a l
 ff a a a l a -ba IOR
 l r a a a a a a -
 , $F(1, 25) = 21.54$, $P < 0.001$. Tu -
 ba IOR l r a a a
 r a l a , $F(1, 25) = 20.10$,
 $P < 0.001$. Tu r a ff l a
 a a a a ff a a
 a . Tu a a a (. . , a a
 a a l r a l)
 fi a fi a .

E 2: l a a a

I l a a a , a a ff I a
 l a r a fi a RT ,
 $F(1, 26) = 12.05$, $P < 0.005$, r RT a a -
 a (421) b l r a RT a



F .1 M a a (RT ;) a a a
 a / l a

a a IOR. Tu
 a a a ff a a
 a a IOR. Tu
 l b a b r l a a -
 a , a a a a a
 IOR a a
 a . H r , a l a -
 a a r ff a a . E
 l r a , r l a
 r a a l a l a a a ,
 r a a l a -ba IOR l r a a
 a r a a a r a a -
 -ba IOR l r a a a
 r a a l a (F .1). R
 l r a a a a a b
 a a a a r a a . Tu
 a a a b r l a a
 a a , r , a r r a a
 a r a a l a l a a a l -
 a a a . Ta a a a
 a - l a a a - l a a r
 E 2 a 3, a ff
 l l a a
 (F .2, 3). W a a l a a a
 l , r a l a (E 2) -
 (E 3), r a l a
 a , IOR ff r a a r
 a a a ff a - l a
 a . Tu r a ff a - l a
 a r r a a a a a l -
 a a . S l a l , a - l a -
 , E 2 a l a
 E 3, IOR ff r a a
 a r a a a ff a
 a - l a a , r a r
 a a a a a - l a a .
 Tu fi , l a a
 a a l b l (C a .
 2006) a a r l l SOA b r
 a a (b a a), a
 r M l a a a Ma (1990) a M
 (1998b) b r a a - l a ,
 a a a a a ' a
 a a - l a a a b r -
 a a ff a l a , r a -
 l a a l a . H r ,
 fi a ff M l a a a Ma
 (1990) a M a . (1998b) a a fi
 a - l a a a a ' a
 l r a a a a a
 b r a a a b a a
 a - l a a a a . O
 a , a ff a a l

b a IOR (P a a Ca l
 2001), a a a a a
 a a . A a l a a F .2 P a a
 Ca l (2001) r a r a a a -
 l a a (a l a a -
 a , l a a a , a
 l / a a l a a a) r
 a , IOR a - l a a r l b
 b a r a (a
 a a a) ff a - l a
 a () , b IOR a - l a a r l
 b l a a r a
 a a a - l a a . S l a l , IOR
 a - l a a a r l b b a
 r a a ff a - l a
 a , a r l b l a a
 r a a a a - l a
 a . R l r l a a fi r -
 a l a l a a a a
 MRI (Q. C a X.
 Z a , b a a).
 I a r a a a , r
 a a a b r l a a
 a a IOR. Tu a -
 a r a fi a l a IOR,
 b a fi b l a a fi -
 . R b a a b a l
 ff b b , r r
 b b a a a a l -
 (Ha 1980; S a D 1998b),
 l a a a a fi a
 (Ta a a . 1987, 2002), b a
 l b r a
 a a a (F a l . 1999; K l 2000;
 T a l . 1994; V a a F 2001). A a
 b a l a a
 fi a , a a fi l
 l a a a b r a - l a a
 a - l a a a a a -

l a a , u u a a u a v u u a u a
 v l b u l ; u a ff u ff b u a , a a u
 b u l a a , u l E 2 a 3, a v ab .
 v l b u u . S u a b v A u u b a
 u a a v l l u ff a IOR, l a , a u a
 a a l a u IOR u ff b v a a fi a -
 u a . a u a a u u
 T u a , u v , u a b a a (R a a a . 1989; T a a a . 1987, 2002;
 u l E 2 a 3. W u v a IOR T a l a K i 1998). O l
 u a - l a a a ff ff a l a a a a fi a a a b
 b u a - l a a ? A M l u l a a a , u
 a . (1998b), l a a a a a l - b a u a a a a
 a b a u a b a a a , u a l
 l l a u u . T u , b v l a a a a , b a
 u ff a - b a u a a l
 a , u a - l a a v l (T a a a . 2002). H v , l a u v u
 a l a a v a a u a - l a a . ff a a a u a a b v a -
 T a a u l l a fi a l - l a a a - l a a IOR
 u a ff . C a l , u a b a u a , a u
 a ff u l a a a a u a fi a b
 a b u (F . 2, 3) fi v u - ff a l aff b a - l a a l a
 . M , u a u IOR ff a .
 u a - l a a v u u a u a - T u u u u b a
 u a ff a - l a a v a a u a u a u b a
 b b u u l v v u a a u a u b l a
 v u u a u a a - l a a a u u a u a l a a v u u .
 a u a ffi A u u u b a a a ff u a -
 v u u a a ff a - l a a u l a , a a a l b v
 . W u u a - l a a a u u a , a a a a (F
 a u RT u a l a a a a a a a a (F
 v u u a a u u a u a ff - a . 1999; T a a . 1994; V a a F 2001)
 a - l a a , b a u a u u u a a a
 u a - l a a . T u a - a (I a ff a K i 2001; T a l a K i 1998).
 u a u a a . C a l u u b a u a
 ffi l l a u l a -
 T u u b a b a a IOR (. . M a . 1998a). P -
 a a a a u b
 A u b u a IOR a a a a u a u a l a a u
 a a a a u b v u u a . N u a u a ffi l
 a a u a a l (H a 1980; P a W a a (. . u a a) l a u
 2002; T a a a . 2002; D J a . 1994). T u a l a a l a (M a B a
 u l a u a . W u a l u a u a u a u a u a u a
 a u a a , u v , v fi u a u b v u a u a . H v , u a
 a v l l u a b a u a - u a u a l a u a a
 a a . T u u b a a b v a - l a a a - l a
 a u a , u l a u a u a , a .
 u a u u b aff u
 u a . H v , a u u u u - A a a a
 a l a u l E 1 v u u A u u u b a l b
 u RT u a v u l v v u u a u u u u u b a l b
 a u a u a b u u l a a u - a u u fi b a u

a a ub . P P u - R -L PA, R JN (1996) A a a
 u 62:1280 1296 ub : u a l a a-
 M TA (1999) P ab l u a la a .E B a R 112:119 126
 u - a ub . P R L, Pa I, U la C(2004) L a a ua ub -
 P u u 61:1501 1509 . P u u R 68:41 54
 M TA, B a LM (1999) Fa l a a ub ff Sa AF(1990) I a ub ba .
 l a a : a la a . A a P u u 74:123
 a .P P u u 61:438 444 167
 M TA, B a LM, M u B (1998a) I ub S u WC (1996) I ub r u a .
 a l a : l a -ba N u l a 34:943 952
 a -ba ub . P P u - S CJ, D J (1997) A al
 u 60:296 302 a a .P P u u 59:1 22
 M TA, La TE (2001) Fa l a a ub ff S CJ, D J (1998a) A a a a ub
 a , , a b . P .P P u u 60:125 139
 P u u 63:726 736 S CJ, D J (1998b) C - al -
 M TA, Za RJ, T NA (1998b) C a u P P u u 60:544 557
 l a a . J E P u u H P P u u 60:544 557
 P P 24:66 79 S CJ, L D, M G F, N u u MER, D J (2000)
 P MI, C u Y (1984) C a . I : I ub a a a : a a b r
 B a H, B r u DG () A a a , a a .E B a
 l X. E l ba , H u a , 531 556 R 134:42 48
 P a J (1995) I ub a a a . S b S (1969) Tu a :
 P u B u R 2:117 120 D ' u . A a P u u 30:276 315
 P a J, Ab a RA (1999) I ub a Ta a a Y, S u S (1996) L a . a : a
 a . J E P u u H P P P 24:229 242 a a b r r a . V R
 P a J, Ca l AD (2001) R a l a : a - 36:2125 2140
 a a ub a a l a . Ta a G, A l S, C u l a L, Ma CA, B l u C (1987)
 V R 41:3903 3908 a a u ub a - ff D b u a fi l u l a l a l -
 P a J, K A, K u W (1997) I ub l a - . N u l a 25:55 71
 - a -ba u a . P Ta a G, Ca a a D, B C, B l u C (2002) Tu
 P u u 59:964 971 u b - al a ub . E B a R
 P DJ, Wa LM (2002) A -ba ub u b - al a ub . E B a R
 ff a a IOR. P P u u 64:771 784 146:523 530
 Ra a RD, H A (1994) Tu l ub . I a - Ta l TL, K l RM (1998) O u a a ff ub -
 u a a a . I : Da ba u D, .P u B u R 5:625 643
 Ca T () I ub P a , a Ta l TL, K l RM (2000) V a a ff ub
 la a . A a , Sa D , 1 50 . J E P u u H P P P 26:1639 1656
 Ra a RD, Ca ab PA, B CW, S l TK (1989) Sa a l a l a -
 a a ub l a l a - . J E P u u H P P P 15:673 685
 R -L PA, Ju a A, R JN (1996) Wu a ub -
 ub ? J E P u u H P P P 20:478 499
 P 22:367 378 V a AB, F LJ (2001) S aff
 u b . P u B u R 8:315 323