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HIGHLIGHTS

- [illegible] (PAM).
- [illegible] (ATL) [illegible] PAM.
- [illegible] ATL [illegible] PAM [illegible]
- [illegible] PAM [illegible]

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ABSTRACT

[illegible] (PAM), [illegible] 20–30 [illegible] PAM [illegible] (TP), [illegible]

[illegible] [2 4]. [illegible]

[illegible] [5 7] [illegible] [8]. [illegible] *primitive auditory memory* (PAM) [illegible] [6,7].

[illegible] PAM [illegible] (MMN) [illegible] [. .,9 11] [illegible] MMN [illegible] [12]. [illegible] PAM [illegible] [6]. [illegible] MMN [illegible] [12].

1.2. How to measure the temporal preservation of PAM at the perceptual level?

[illegible] (IAC) [illegible] [13]. [illegible] IAC [illegible] IAC [illegible] [14,15]. [illegible] IAC [illegible] [16,17].

[illegible] IAC [illegible]

Table 1

Fig. 1. R c st ct t t at a a t t a b ct (ATL) s d t t a (TP, c t d B d a A a 38) d d a at ts P04 a d P12, s c t a t st s ts t c d d data a a s s.

t a b t t t s tat s as 1000 s. F s s s d ac t a.

T t a a d a , t t t a a ad (50% c a c) t t a ad (50% c a c), as s st at ca c as d 0 s s a ada t t t a, t a t at , c d c c (2AFC) c d [19]. T a c a t s tas as t d t c t t s s tat s c ta d t BIC b ss t t t t b tt a c t s . T d a t s d d t ct t BIC as t ac d s a t d a ad [44].

F b t a t a c a ts a d at t a c a ts, c a s s t d a t s d d t ct t BIC c d ct d b t t t a ad c d t a d t t a ad c d t . F at t a c a ts, c a s s t d a t s d a s c d ct d b t t s at a a ad (at d t t s t ATL) c d t a d t c t a at a a ad c d t . M , at t a c a ts, c a s s t d a t s d c d ct d b t at ts t ATL t t s a d t s t ATL t t s .

2.4. Data analyses

T c d s at t s s cat a d t t, ta d b t MRIs a d CT fi s, 21 0Tj 000272 1 T 7.97011 .3664 37c8002 123.5122 236t a sc b 3557 T ( )Tj /GS0 s /T1 2 1 T 7.9701 0 0 66

Fig. 2. R cstct t t at a ATL s d t TP 24 d d a at t a c a ts, s c t a t st s ts c d d data a a s s.

st t at t PAM s at a a s a s a d t PAM ct a at a a s a s s a d a c d c a s .

4. Disscussion

T s ts t s st d s d t at bt a t c t s a d at ts t at a ATL c t d t TP (d t t at a TLE) ab t d t ct a t a s t BIC a t a a d a s t d c d. A s, bt a t c t s a d at ts, a t t s fica t d c s t d a t s d d t ct t BIC b t t t a ad c d t a d t t a ad c d t , t d a t s d d t t

a ad c d t as s fica t c at d t t at d t t a ad c d t . T s, t s c at a t t t a s at PAM s t d t.

Bt s b a a st d s a d s s c a c d st d s a s t at act t s t d sa a t t TP a ass c at d t a d t s bt a s a d s [28,32,33]. H , t ATL ca st ta t ab t s t t at ba s ds [42]. A s, t ATL a a s t d c a d t c ss d fic ts t s t s c t at ts t TLE t at s act t d d cat [41,43]. C a , t s a d t t at t fi d s st d s bas d

Fig. 3. [illegible]

Fig. 4. [illegible] *, $p < 0.05$.

[illegible]

5. Conclusions

[illegible]

Acknowledgements

T s [illegible] as s [illegible] d b Nat[illegible]a Nat [illegible]a Sc[illegible]c F[illegible] dat[illegible] [illegible] C [illegible]a (81301116, 31170985), t Nat[illegible]a 973 P[illegible]j ct (2011CB707805), a[illegible]d t "985 P[illegible]j ct [illegible] P [illegible] U[illegible] [illegible]t .

Appendix A. Supplementary data

S [illegible]ta[illegible] data ass[illegible]c at d t t s a[illegible]c ca[illegible] b [illegible]d, [illegible]t [illegible] [illegible], at tt ://d .d[illegible] .[illegible]/10.1016/j.[illegible] t.2016.03.025.

References

[1] L. L , J.G. Q , Y. H , C. A a[illegible], B.A. Sc[illegible] d , Att[illegible]b t ca t [illegible]t [illegible]c d[illegible]c ct [illegible] d [illegible]at[illegible]