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Pupillometry reveals hyper-arousal in response to auditory stimuli in autistic children

Key words: Autism spectrum disorder; Arousal; Habituation; Auditory; Pupillometry

Research summary

This study measured the arousal level in response to different types of auditory stimuli and the dynamic change of atypical arousal level using pupillometry in autistic children

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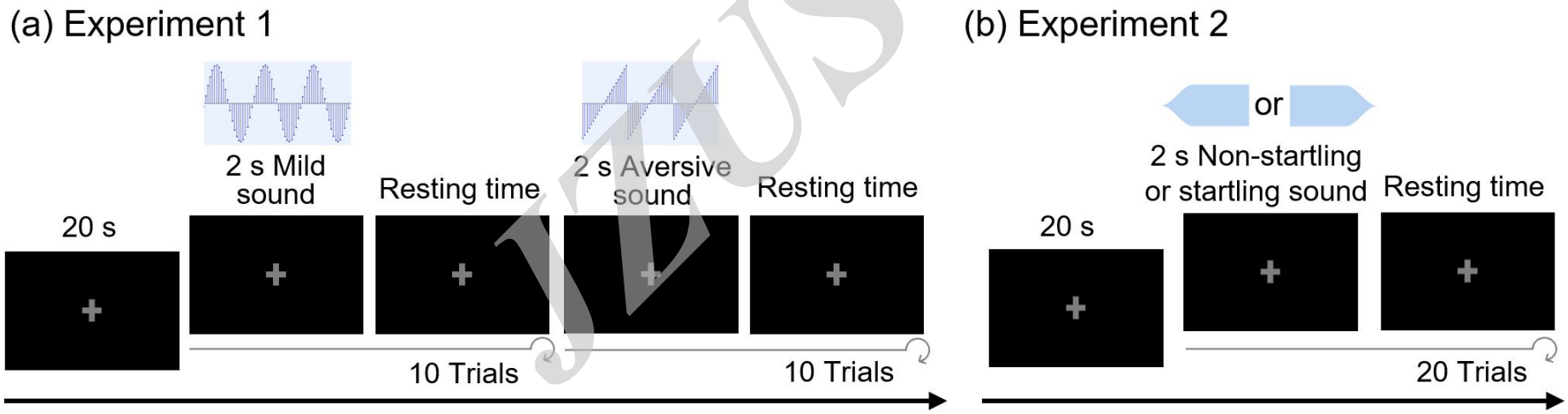


Fig. 1

Innovation points

- **Measured arousal level in autistic children with pupillometry, which is robust and friendly to these children**

- **Examined which kind of sound stimuli would evoke hyper-arousal in autistic children**

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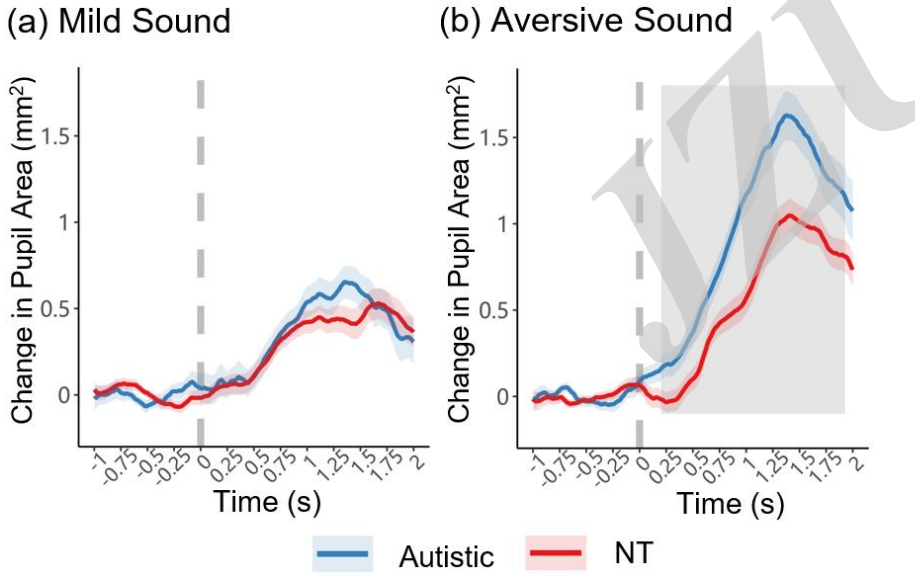


Fig. 2

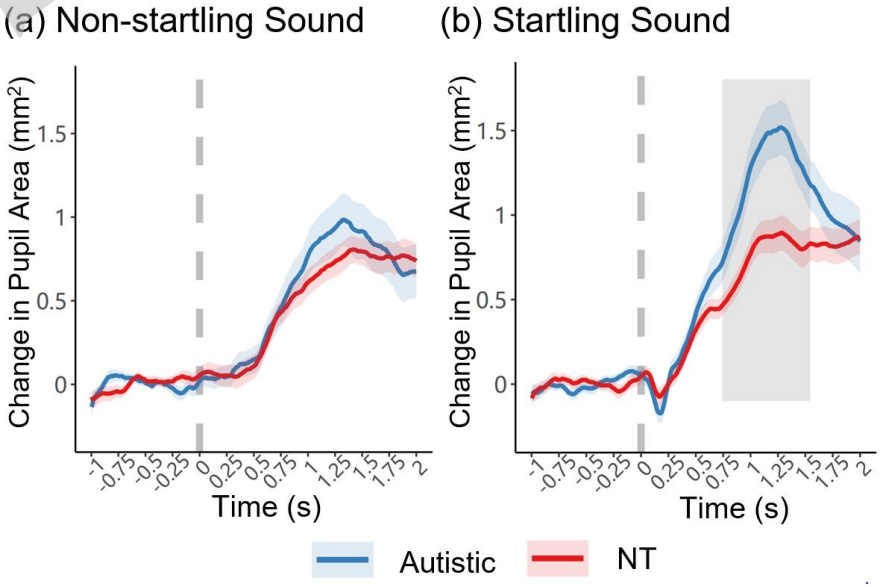


Fig. 3

Innovation points

- **Examined whether atypical initial responses and/or habituation rates were underlying dynamic factors of an atypical arousal level in autistic children**

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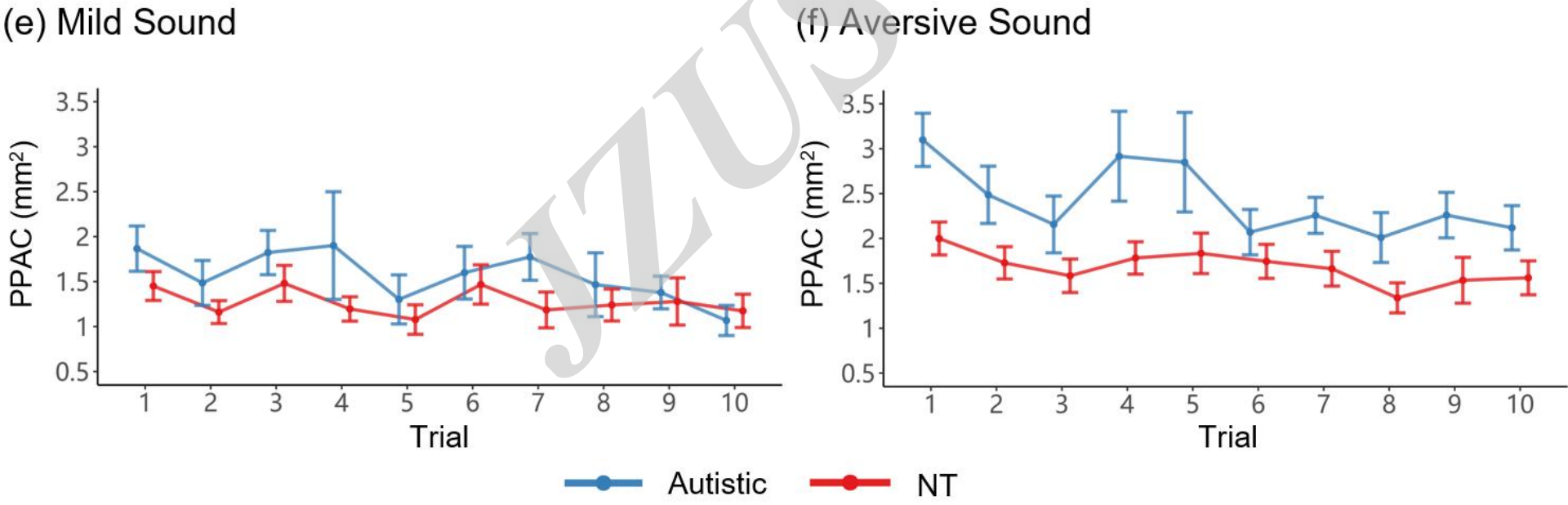


Fig. 2