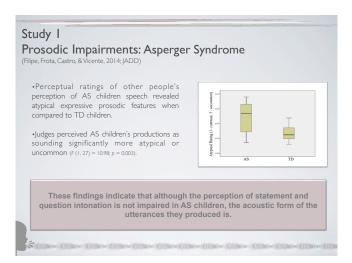
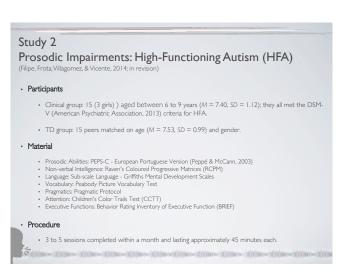


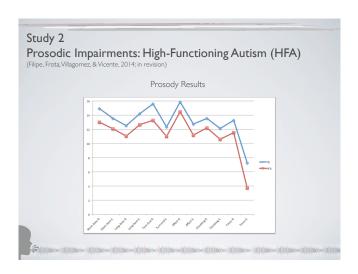


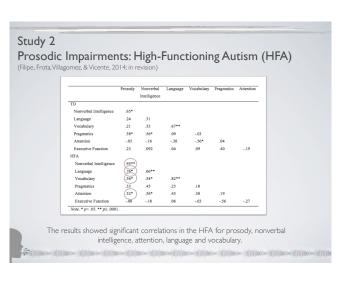
## Study I Prosodic Impairments: Asperger Syndrome (Filipe, Frota, Castro, & Vicente, 2014; JADD) • Participants • Clinical group: 12 (2 girls) aged between 8 to 9 years (M = 8.58, 5D = 0.51); they all met the ICD-10 (World Health Organization, 1992) and DSM-IV-TR (American Psychiatric Association, 2000) criteria for AS. • TD group: 10 boys & 7 girls matched to the AS children on average age and non-verbal intellectual level assessed with the Raven's Coloured Progressive Matrices (Raven's CPM; Raven, 1995). • 35 Portuguese undergraduate students participated in the study. • Material & Procedure • To capture the children's ability to distinguish statements from questions, we used the Turn-End subtest of the Profiling Elements of Prosody in Speech-Communication (PEPS-C; Peppé & McCann, 2003) adapted to European Portuguese. The children were assessed in a quiet room of their school in one individual session lasting for approximately 30 minutes • Atypicality judgments: All the 32 utterances from one child were sequentially arranged with a 4-second interstimulus interval; 29 tapes were produced, one per child. Adult participants used a 5-point scale from common to uncommon to rate how natural or odd the utterances sounded.

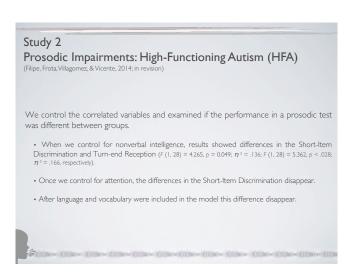
## Study I Prosodic Impairments: Asperger Syndrome (Filipe, Frota, Castro, & Vicente, 2014; JADD) • Prosodic contours associated to statements and questions expressed by intonation in children with AS were categorically accurate for both receptive and expressive skills. • However, acoustic measurements of AS children speech showed alterations in duration and pitch, and children with AS had greater variability in fundamental frequency contours compared to typically developing peers.











## Conclusion

- ➤ The inconsistent picture of prosody in autism draw by research can be a result of the methodological problems related with the assessment of prosody, poor diagnostic data, small samples sizes, and lack of appropriate comparison groups. However other basic deficits in prosodic impairments that are heterogeneous in this population might contribute for this variability.
- > Prosody in autism should be explored in the context of linguistics, cognitive science, and neuropsychological perspectives.



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