

## Pragmatic Language Characteristics of Individuals with Asperger Syndrome: Systematic Literature Review and Meta-analysis

**Authors :** Sadeq Alyaari, Muhammad Alkhunayn, Montaha Al Yaari, Ayman Al Yaari, Ayah Al Yaari, Adham Al Yaari, Sajedah Al Yaari, Fatehi Eissa

**Abstract :** Introduction. The purpose of this Systematic Literature Review and Meta-analysis ((SLR & Meta-analysis) was to examine the differences between Asperger syndrome (AS) individuals and typically developing and achieving individuals (TD) regarding language competence and how these differences related to AS individuals' age and the significance such differences add to our knowledge of understanding their language performance as issues that are still underdiagnosed and ill-treated entities. Methods. The study followed SLR & Meta-analysis protocol and was armed with data of 456 AS subjects and controls (231 and 225, respectively) abstracted from 14 studies that have been collected from different electronic bibliographic databases including web of science, Scopus, EMBASE, Cochrane library, PubMed, PsycInfo and google scholar along with unpublished literature. Results. Outlined results show deterioration in language competence of AS subjects in comparison to TD controls. Such deterioration impairs conversational implicature more than it does conventional maxims of AS individuals' pragmatic language and has no relationship with their age. Results also show that the difference in intelligence features of the mental reality in the language competence becomes smaller with increasing age and that the difference in representational content features becomes larger. Conclusions. These findings help experts in the field not only predict pragmatic language impairments in AS individuals but also enable AS individuals themselves to decode and/or interpret speech inputs; therefore, perceive the world around them and interact with their community members. Outcomes should be considered to lay out a path for further exploration of genetics, etiology, and response to treatment of all these premises that are currently unsearched in AS individuals.

**Keywords :** pragmatic language characteristics, language competence, mental faculty, mental reality, features, language performance, pragmatics, conventional maxims

**Conference Title :** ICA 2024 : International Conference on Autism

**Conference Location :** London, United Kingdom

**Conference Dates :** May 23-24, 2024