

## Multimedia Appendix 2. Inclusion and exclusion criteria.

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### **Inclusion criteria**

- (a) the object of the study was to differentiate individuals clinically diagnosed with ASD from controls (e.g., neurotypical individuals or individuals with another neurodevelopmental disorder)
- (b) algorithms, suggested as machine learning in the study, included appropriate apparatus, such as learning or training, aimed at seeking optimal answers
- (c) such algorithms also included process of validation, in addition to training or learning
- (d) MRI (e.g., functional, structural, etc.) was used in diagnostic imaging studies
- (e) validation and/or accuracy measure were expressed as quantifiable values

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### **Exclusion criteria**

- (a) the study included individuals diagnosed with ASD non-clinically or individuals at high risk for or suspected of ASD (without diagnostic confirmation)
  - (b) algorithms following a determined flow (e.g., rule-base algorithm), instead of searching for optimal answers
  - (c) training, learning, and/or validation process were not explained clearly or distinguished from each other
  - (d) non-human subjects (e.g., animals) were studied
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