La comprensione delle intenzioni

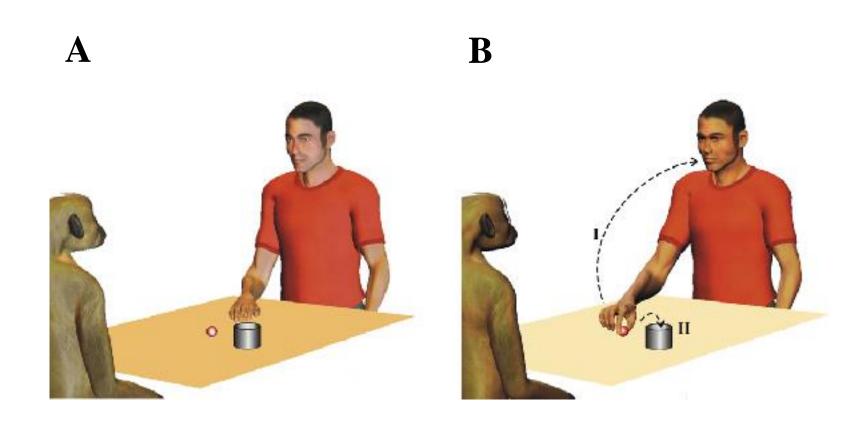
La "Teoria della mente" viene definita come la capacità di attribuire agli altri stati mentali quali credenze, desideri e intenzioni

Due teorie principali:

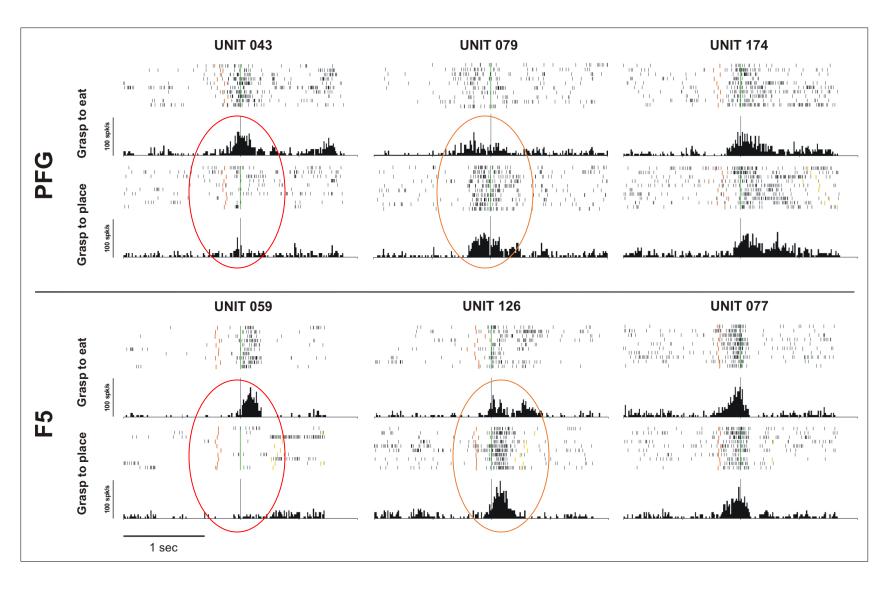
Teoria della teoria: bambino come uno scienziato che osserva e testa delle ipotesi su come gli stati mentali possono produrre un comportamento

Teoria della simulazione: l'osservatore comprende implicitamente lo stato mentale dell'altro simulando internamente il comportamento osservato.

Compito visivo



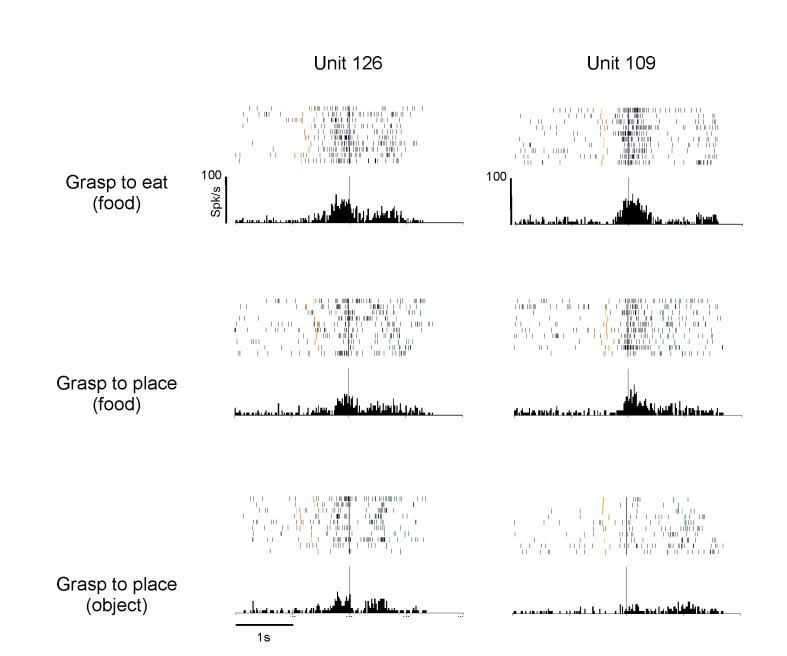
Risposte dei neuroni mirror di PFG e F5 durante il compito visivo



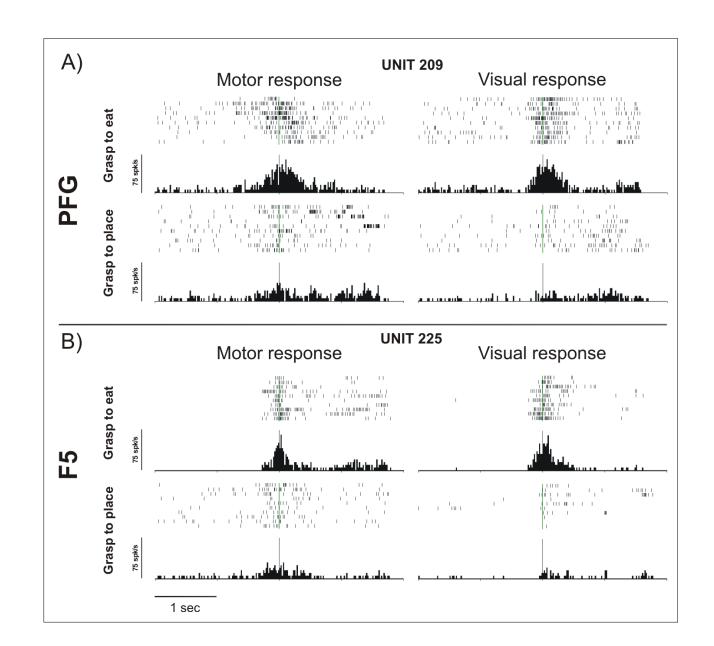
I neuroni mirror di PFG e F5 predicono l'intenzione dell'agente osservato

Codifica dello scopo dell'azione nei neuroni di afferramento di PFG and F5 durante l'osservazione dell'azione svolta da un altro

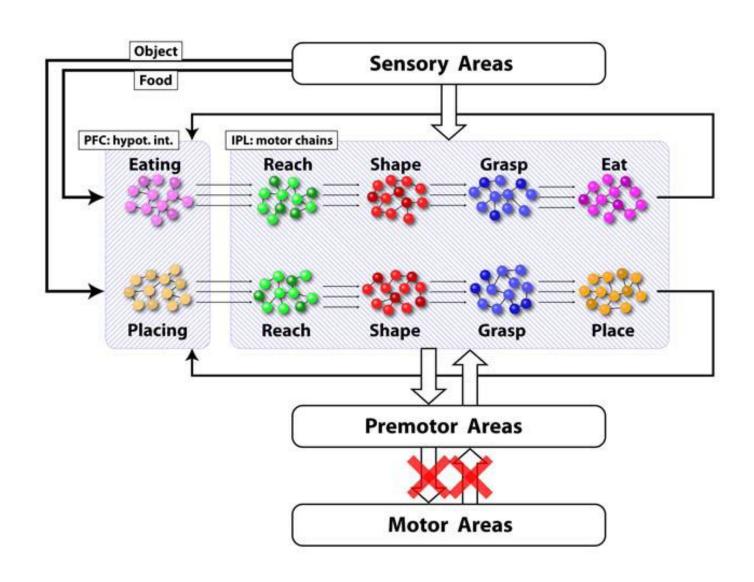
Action Go	al Related	Not Action Goal Related	Total	
Eating > Placing 17 (81.0%)	Placing > Eating 4 (19.0%)	Eating = Placing		
(21 (7	7.8%)	6 (22.2%)	27 (100%)	
	7.076)	(22.278)	27 (10070)	
) F5 neurons	al Related	Not Action Goal Related	Total	
s) F5 neurons				

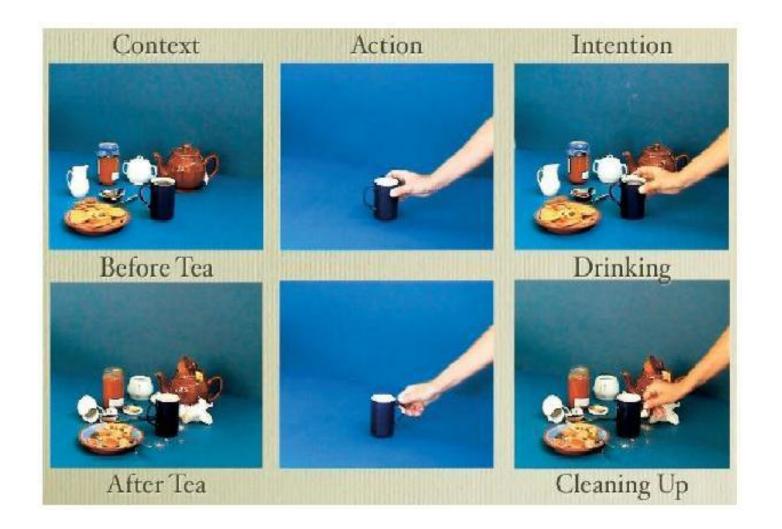


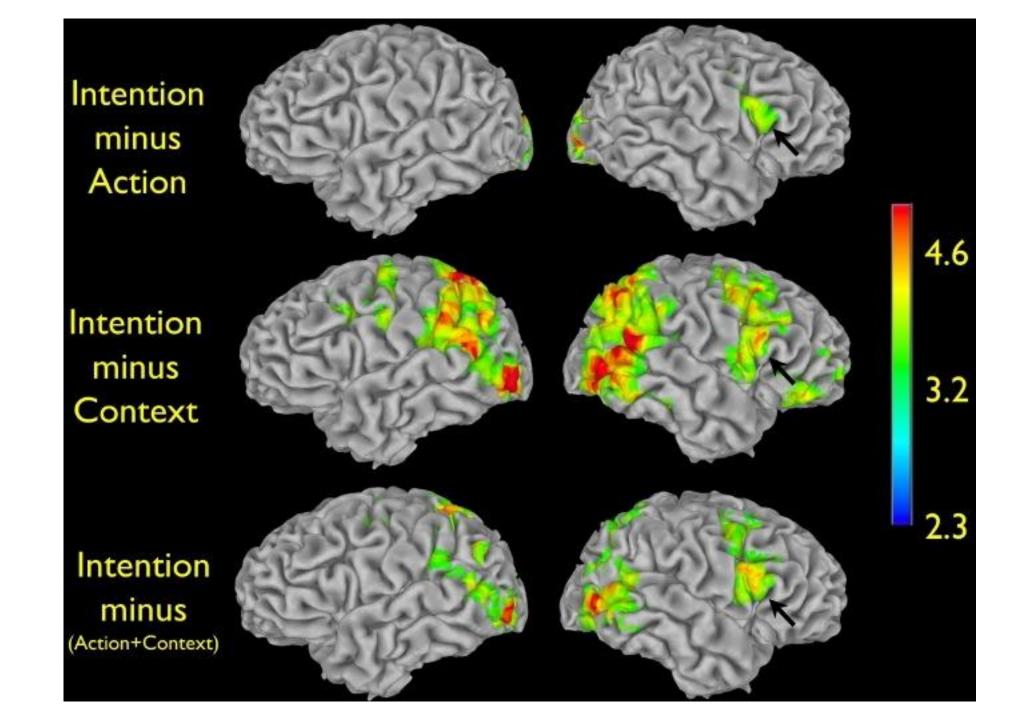
Congruenza visuomotoria (in termini di intenzione) dei neuroni specchio



Compito visivo

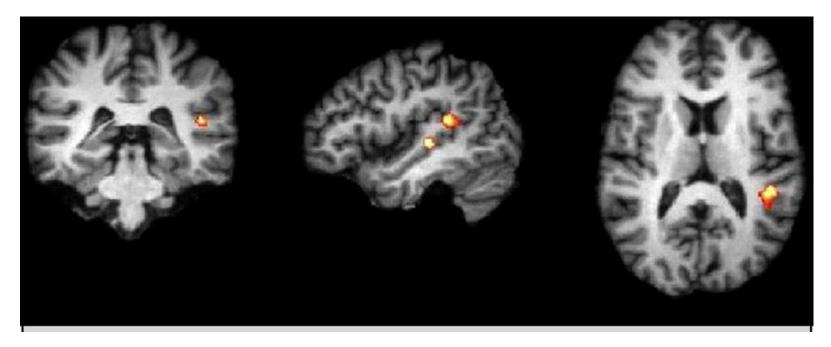


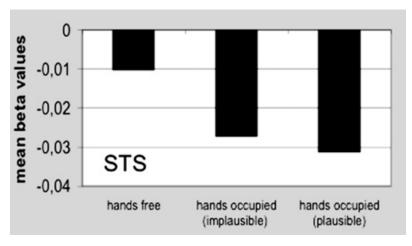


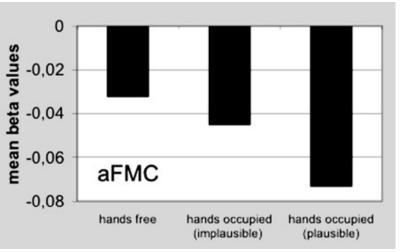




Brass et al. 2007

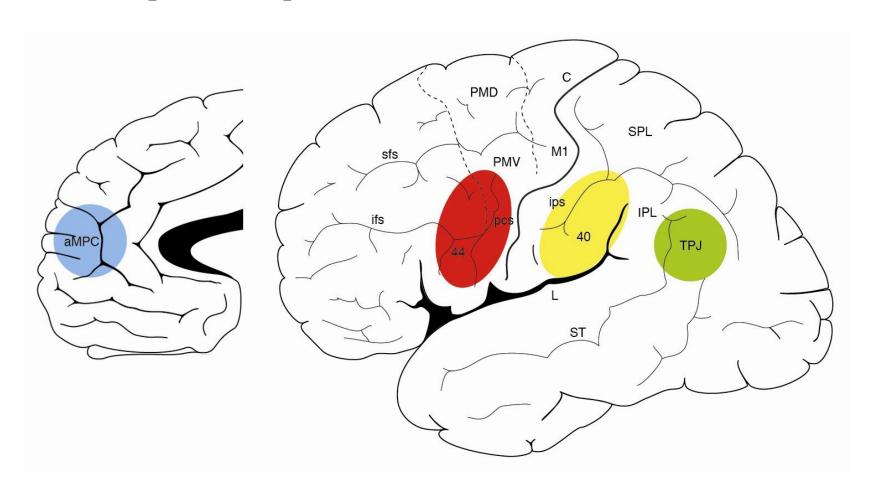


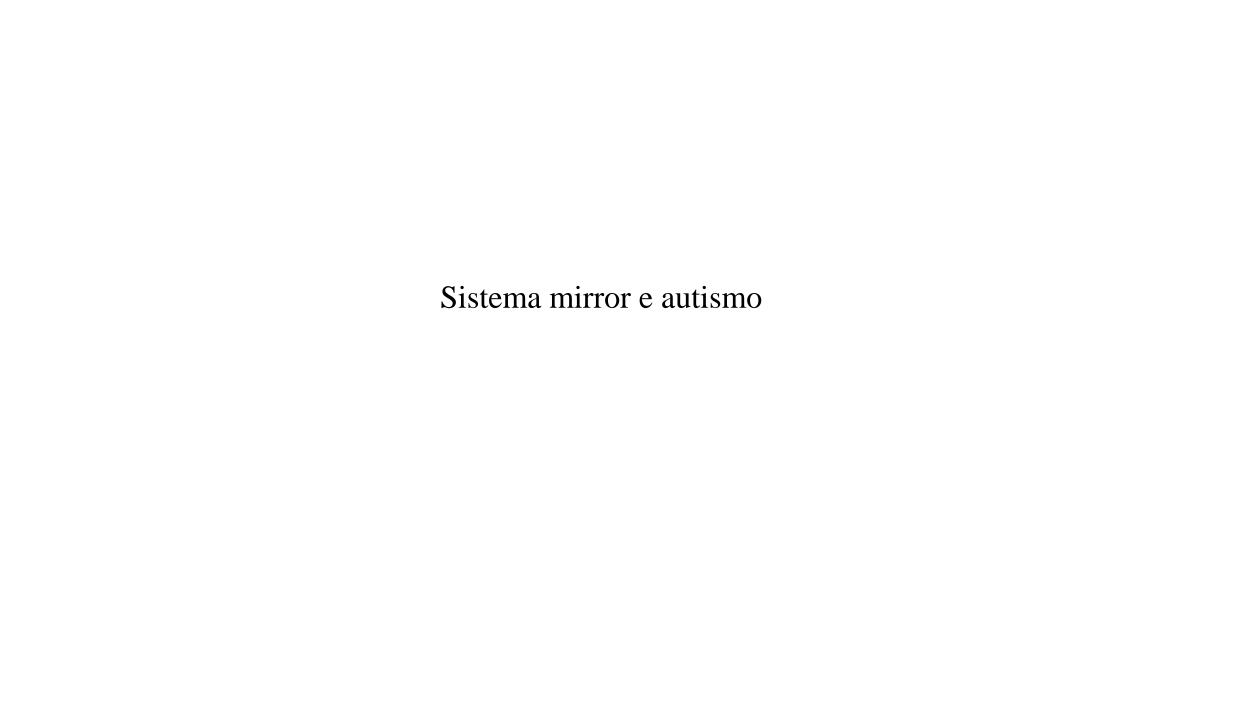


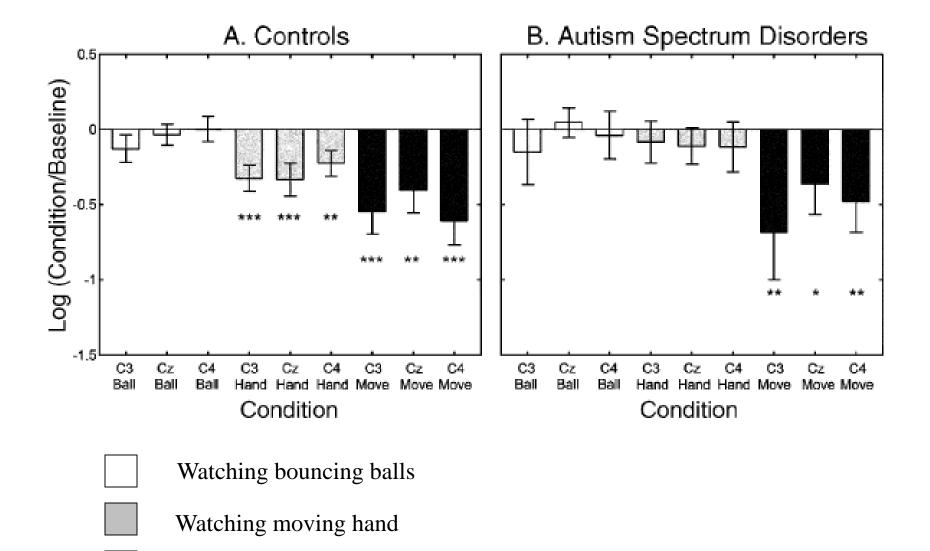


Brass et al. 2007

Il circuito della «mentalizzazione» a confronto con il circuito per la comprensione delle azioni



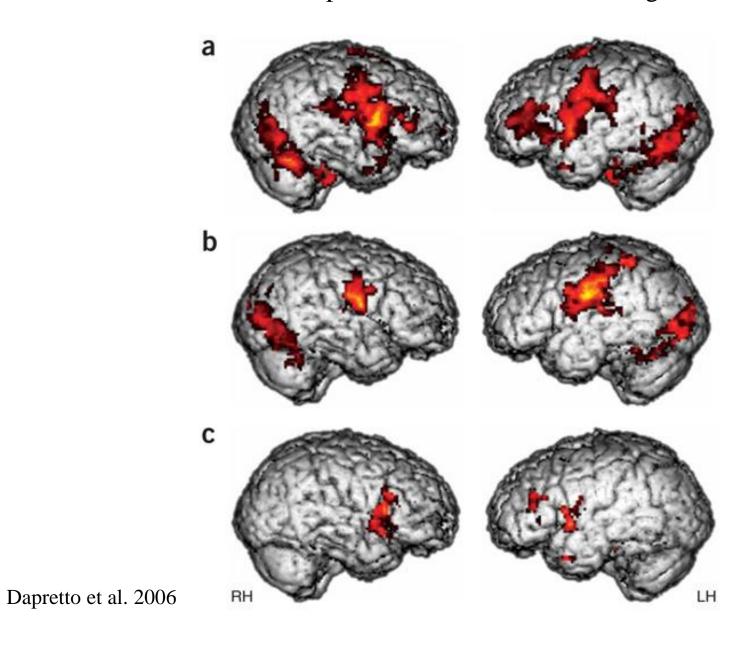




Oberman et al. 2005

Performing hand movement

Imitazione di espressioni emotive nei TD e negli ASD



Comparazione tra le attivazioni ottenute durante l'osservazione di espressioni emozionali nei TD e negli ASD

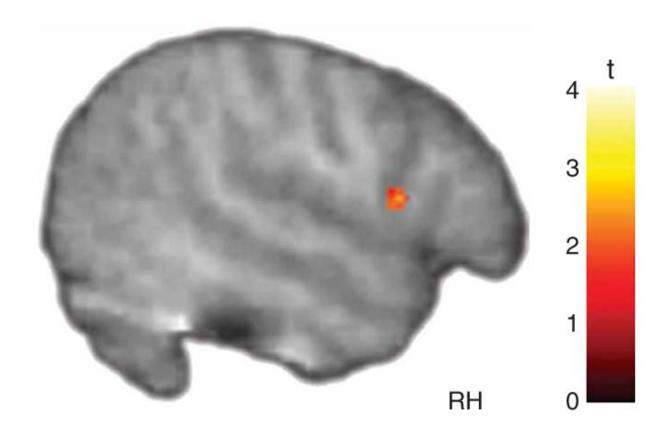
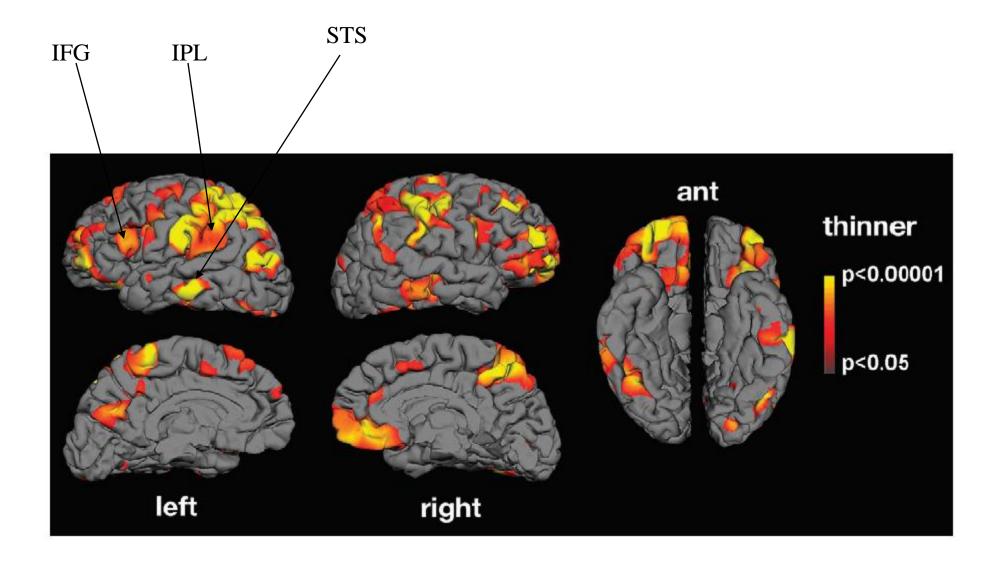


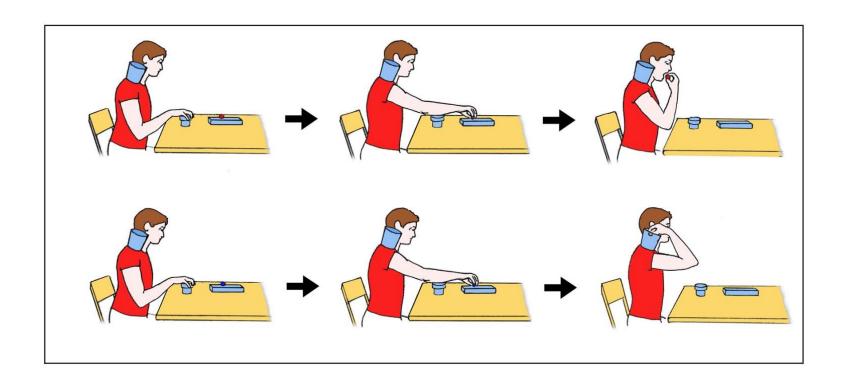
Table 1ADI-R and ADOS scores of each participant in the ASD group

	ADI-R			ADOS			
	Communication	Social	Repetitive behaviors	Communication	Social	Total	Clinical diagnosis
Subject 1	5	13	1	2	9	11	PDD
Subject 2	14	24	2	2	6	8	Autism
Subject 3	12	15	2	2	6	8	Asperger
Subject 4	7	15	5	3	5	8	Autism
Subject 5	20	27	11	7	13	20	Autism
Subject 6				2	6	8	PDD
Subject 7	13	12	2	3	8	11	Asperger
Subject 8	7	15	2	1	5	6	Asperger
Subject 9	8	16	6	3	5	8	Autism
Subject 10	16	22	8	3	10	13	Autism
Subject 11	14	26	6	2	8	10	Autism
Subject 12	10	14	2	3	3	6	Autism
Subject 13	7	15	5	1	5	6	Asperger
Subject 14	11	18	8	2	6	8	Autism

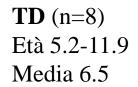
Note: ADOS, Autism Diagnostic Observation Schedule; PDD, pervasive developmental disorder.



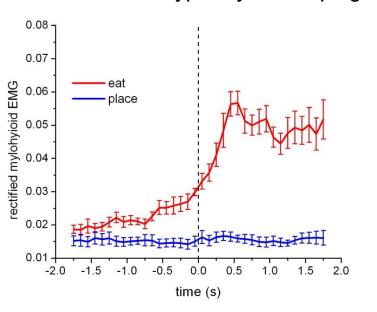
Compito motorio

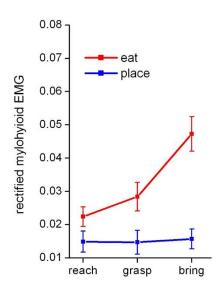


typically-developing children

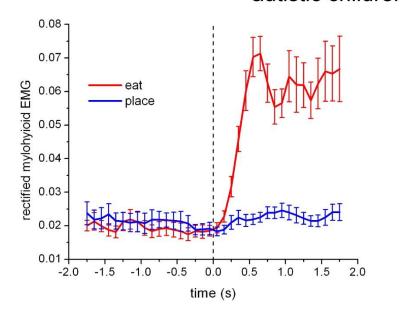


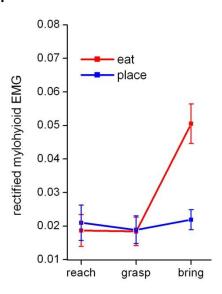
A (n=8) Età 5.1-9.0 Media 6.1

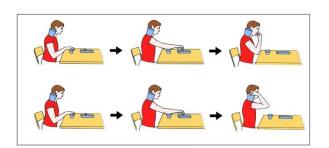




autistic children







Compito di osservazione

typically-developing children

TD (n=8) Età 5.1-9.1

Media 6.5

A (n=7) Età 5.1-9.0 Media 6.2

