

Gli effetti positivi degli IAA sui soggetti destinatari

Stato dell'arte dopo la pandemia

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INTERAZIONE UOMO-ANIMALE: EFFETTI SULLA SALUTE UMANA

TAA – TERAPIE ASSISTITE DAGLI ANIMALI

Sfera fisica, sociale, emozionale e cognitiva

AAA – ATTIVITA' ASSISTITE DAGLI ANIMALI

Qualità della vita. Arricchimento. Anziani istituzionalizzati

EAA – EDUCAZIONE ASSISTITA DAGLI ANIMALI

Problemi comportamentali



RIABILITAZIONE EQUESTRE

Disabilità motorie (paralisi cerebrale, sclerosi multipla)

Sfera psicosociale. Pazienti psichiatrici

Autonomia. Integrazione sociale

Allegato

Interventi Assistiti con gli Animali (I.A.A.)

Linee guida nazionali

12



Ministero della Salute

Ambiti

❖ Ricerca di base sull'interazione uomo-animale:

Sviluppo delle attitudini verso il mondo animale (3-6 anni di età)

Risposta allo stimolo animale in bambini in età prescolare (12-18 mesi)

❖ Interventi assistiti con gli animali:

Disturbi dello spettro autistico (bambini 6-12 anni)

Bambini con difficoltà nella sfera emotiva/sociale

Schizofrenia (adulti 18-40 anni)

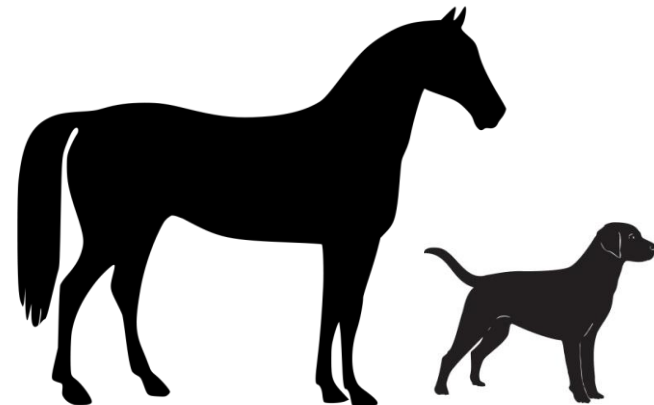
Malattia di Parkinson

Anziani istituzionalizzati

❖ Interventi Educativi in ambito scolastico

❖ Benessere animale

Specie: cane e cavallo



Science AAAS

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0



Dogs hijack the human bonding pathway

Evan L. MacLean^{1,2}, Brian Hare^{1,2,3}[+ Author Affiliations](#)E-mail: b.hare@duke.edu

esa di risposta da cdn.oas-c17.adnxs.com...

Ruolo dei segnali facciali (sguardo reciproco) nel regolare il legame uomo-animale



SGUARDO RECIPROCO E OSSITOCINA



- Comportamento di attaccamento
- Regolazione del legame sociale attraverso il rilascio di ossitocina

SGUARDO RECIPROCO E OSSITOCINA



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SOCIAL EVOLUTION

Oxytocin-gaze positive loop and the coevolution of human-dog bonds

Miho Nagasawa,^{1,2} Shouhei Mitsui,¹ Shiori En,¹ Nobuyo Ohtani,¹ Mitsuaki Ohta,¹ Yasuo Sakuma,³ Tatsushi Onaka,² Kazutaka Mogi,¹ Takefumi Kikusui^{1*}

Human-like modes of communication, including mutual gaze, in dogs may have been acquired during domestication with humans. We show that gazing behavior from dogs, but not wolves, increased urinary oxytocin concentrations in owners, which consequently facilitated owners' affiliation and increased oxytocin concentration in dogs. Further, nasally administered oxytocin increased gazing behavior in dogs, which in turn increased urinary oxytocin concentrations in owners. These findings support the existence of an interspecies oxytocin-mediated positive loop facilitated and modulated by gazing, which may have supported the coevolution of human-dog bonding by engaging common modes of communicating social attachment.



Gazing behavior from dogs [...] increased urinary oxytocin concentrations in owners, which consequently facilitated owners' affiliation and increased oxytocin concentration in dogs

PRODUZIONE DI LACRIME E OSSITOCINA

Current Biology
Magazine

Correspondence

**Increase of tear
volume in dogs after
reunion with owners
is mediated by
oxytocin**

Kaori Murata^{1,6}, Miho Nagasawa^{1,2,6},
Tatsushi Onaka³, Nobuyuki
Kanemaki^{1,4}, Shigeru Nakamura⁵,
Kazuo Tsubota⁵, Kazutaka Mogi^{1,2},
and Takefumi Kikusui^{1,2,*}



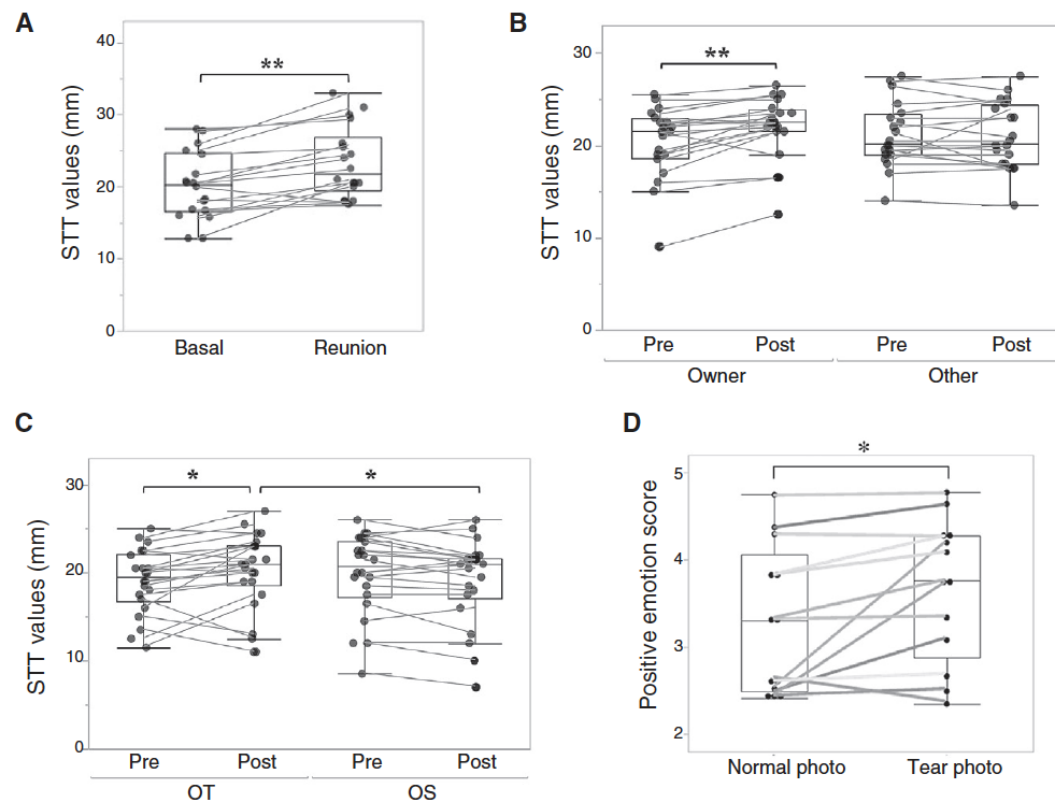


Figure 1. Tear volume increased by reunion with the owner and oxytocin administration.

(A) Tear volume after reunion with the owner. Tear volumes were measured by the Schirmer Tear test (SST), expressed as the length of the wetted part of the test paper (Figure S1B). The baseline was the volume measured when the dogs stayed with their owner at home. Tears during the reunion were measured in dogs that were separated from the owner for more than 5 hours, and within the first 5 min of reunion. (B) Tear volume during the reunion with the owner and with the familiar non-owner. Tear volume was measured in the dog's day-care center. Pre-volume (Pre) was measured before the reunion, and post-volume (Post) was measured during the first 5 min of reunion after separation from the owner for more than 5 hours. (C) Oxytocin (OT) and control peptide (comprising the same amino acids as oxytocin, but with the sequence scrambled; OS) were dissolved in sterile saline (20 IU/120 μ L) and dropped onto the ocular surface of both eyes. The SST was conducted 5 min after administration. Of the 22 animals, 11 received OT first, and the remaining 11 received OS first, to counterbalance the order of eye administration. (D) The rating scale of human participants after watching dog face photos (Figure S1C). A pair of photos was prepared for each dog: a picture of the dog with unaltered eyes and one of the dog where sterile saline was applied to the eyes. 10 photos from 5 dogs were randomly presented on the computer screen, and the participants scored on a 5-point scale from positive (want to touch, and give some care) to negative (fearful and avoid) for each photo (Figure S1A). (* $p < 0.05$, ** $p < 0.01$).

Psychosocial and Psychophysiological Effects of Human-Animal Interactions: The Possible Role of Oxytocin

[Andrea Beetz](#)^{1,*} [Kerstin Uvnäs-Moberg](#)^{2,3} [Henri Julius](#)¹ and [Kurt Kotrschal](#)^{4,5}

L'attivazione del sistema ossitocinergico potrebbe giocare anche un ruolo fondamentale nella maggioranza degli effetti positivi dell'interazione con gli animali.

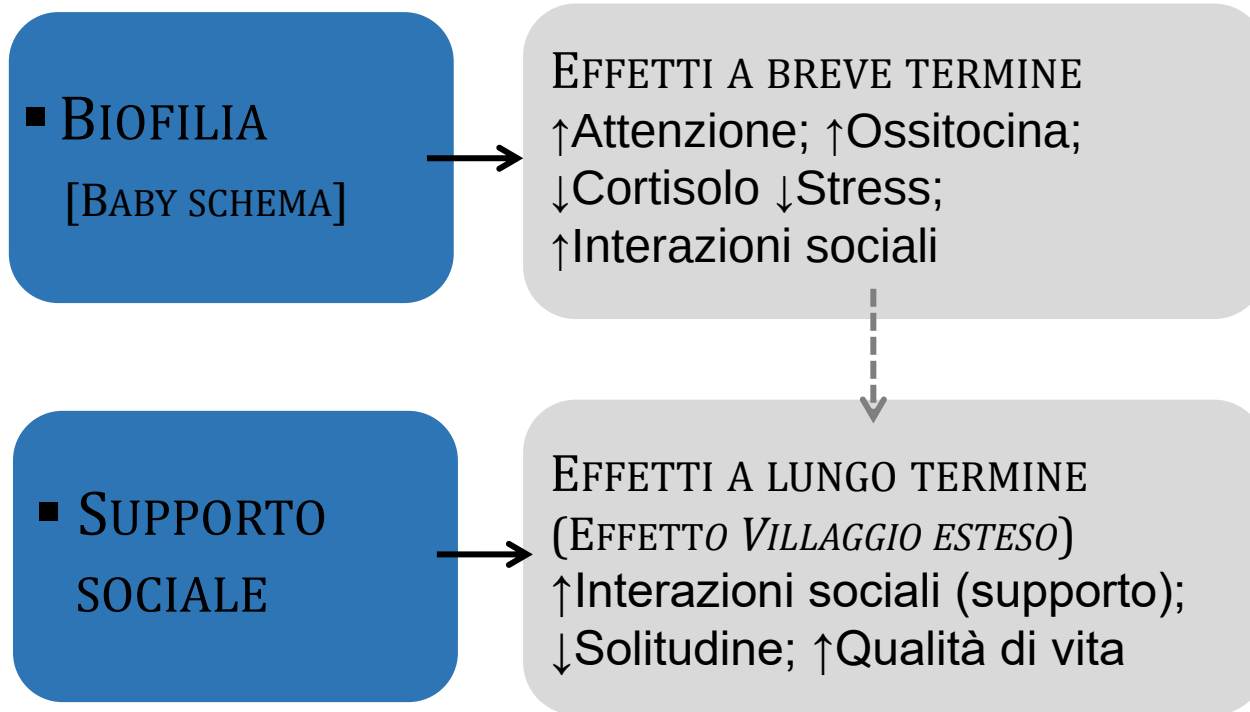


Sovrapposizione di effetti

Riduzione dell'ansia e di parametri legati allo stress

Promozione dell'attenzione e del comportamento sociale

I MECCANISMI ALLA BASE DEL «PET EFFECT»



- Ridurre il senso di isolamento e incrementare il supporto sociale percepito
- Continua disponibilità, assenza di giudizio, amore incondizionato (Friedmann et al. 1980; Kruger et al. 2004)



- La nostra salute dipende anche dalla quantità e qualità delle nostre relazioni sociali e dallo stato di benessere che ne deriva (sistema immunitario, reattività cardio-vascolare, velocità di recupero da malattie, longevità)
- VILLAGE
- *“a tight circle of people in whom you've invested serious time and affection over the years – and who have returned that attention”*

The Village Effect



How Face-to-Face Contact
Can Make Us Healthier,
Happier, and Smarter

Susan Pinker

"A terrific book . . . Pinker makes a hardheaded case for a softhearted virtue.
Read this book. Then talk about it in person with a friend."
—DANIEL H. PINK, New York Times bestselling author of Drive and To Sell Is Human

- USA: 65% delle famiglie con animali in casa;
86 milioni di gatti e 78 milioni di cani;
\$ 60 miliardi annui (acquisto, cibo, cure veterinarie, servizi,
etc) (APPA 2015).
- Italia (2013): più del 50% delle famiglie italiane con
animali in casa (Eurispes);

**BOOM di animali domestici
Durante la pandemia**

30 a 300€ mensili.

