



Convegno Scientifico

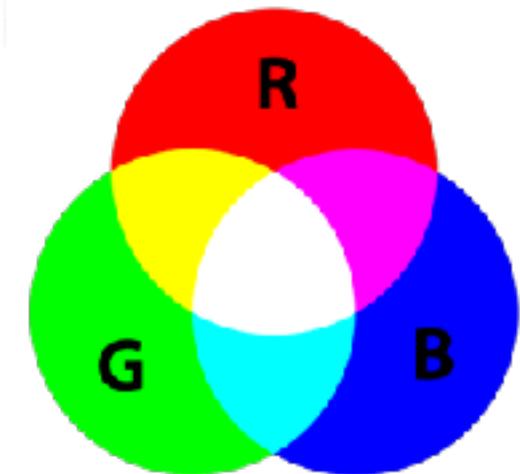
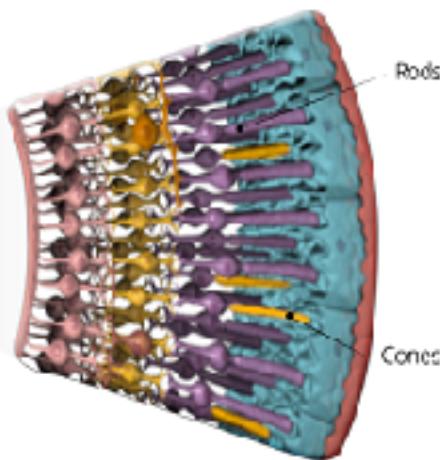
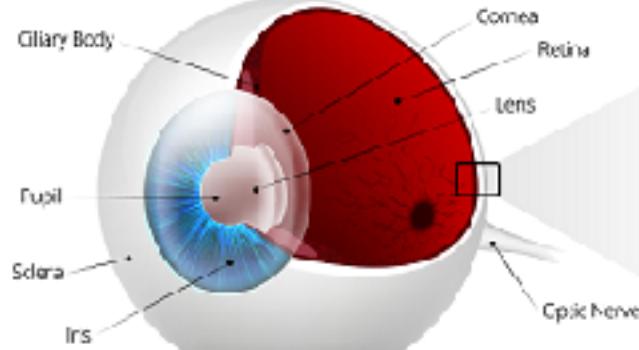
VERDE E CERVELLO

I benefici del verde nella prevenzione
e nella cura di stress e disturbi cognitivi.
#Mati4life

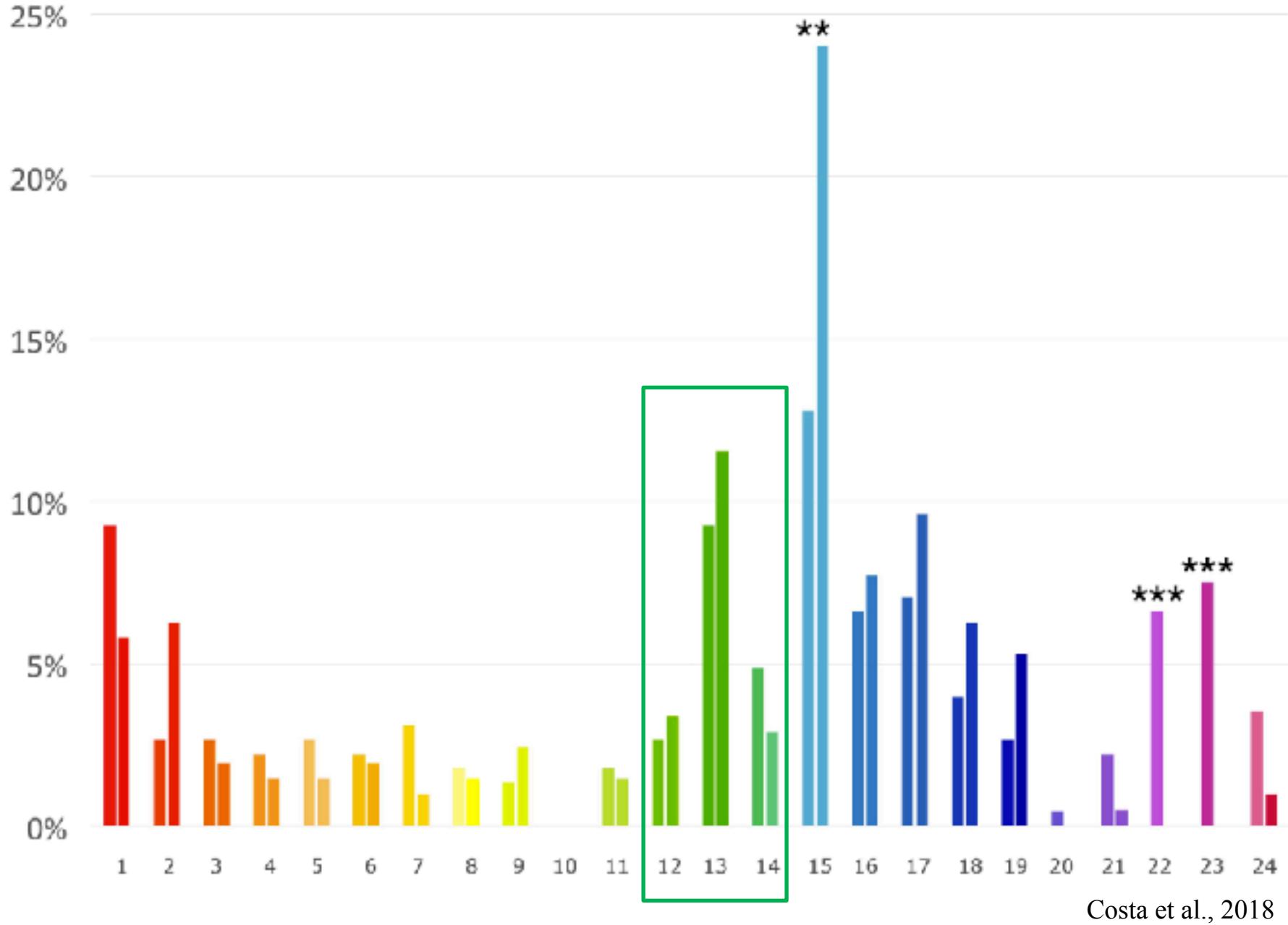
Verde e dimensione cognitiva

Dipartimento di Patologia Chirurgica, Medica, Molecolare e dell'Area
Critica
Frumento, Menicucci, Gemignani

Cos'è il «verde» in Psicofisiologia?

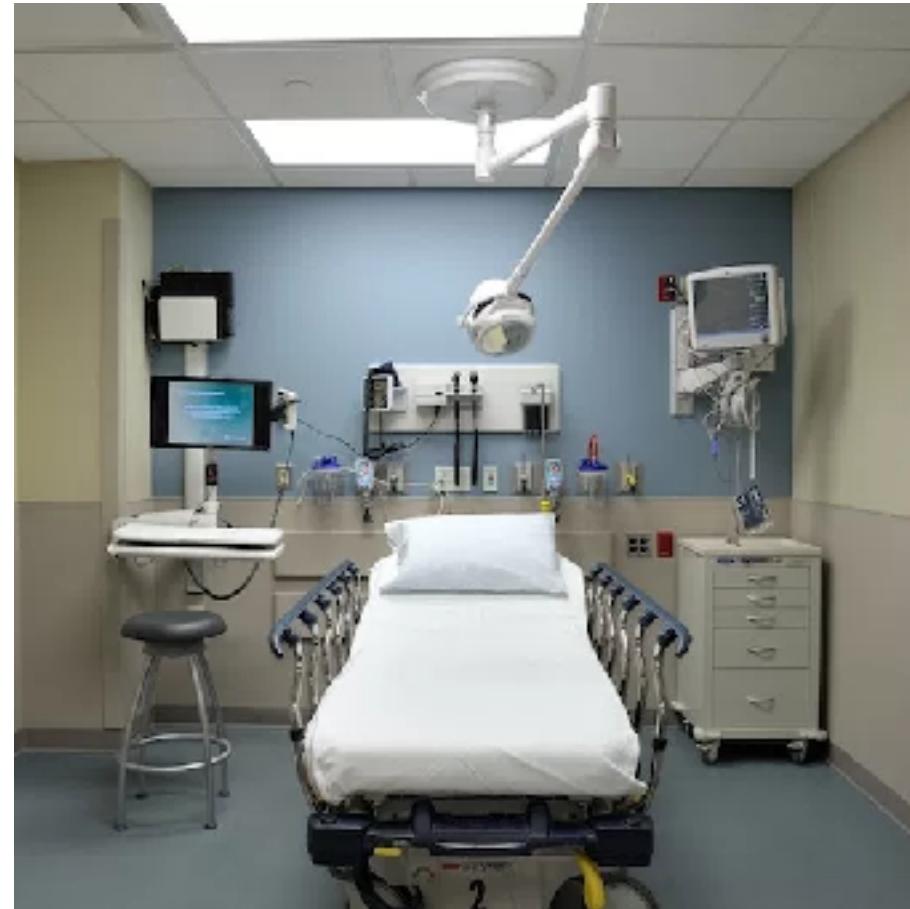
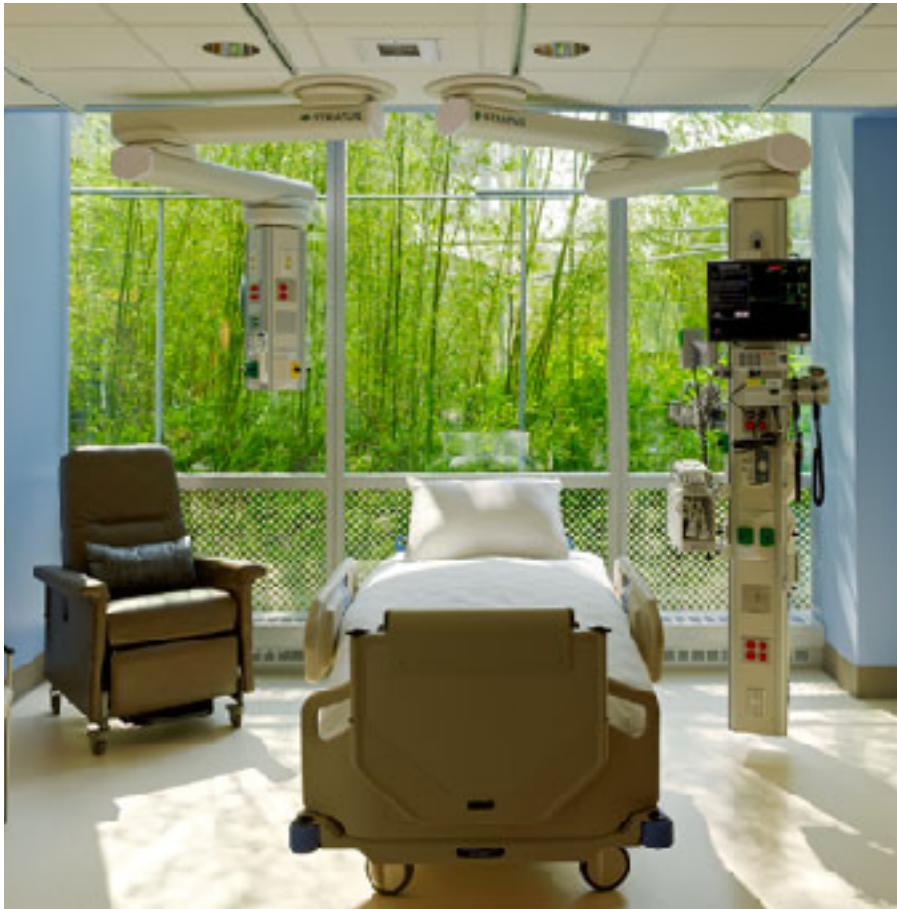


Preferenze cromatiche: natura o cultura?



Applicazioni cliniche

Due camere ospedaliere a confronto:
se dovete essere ricoverati, quale preferireste?



Anche l'occhio il naso vuole la sua parte...



Quanto, come e cosa respiriamo

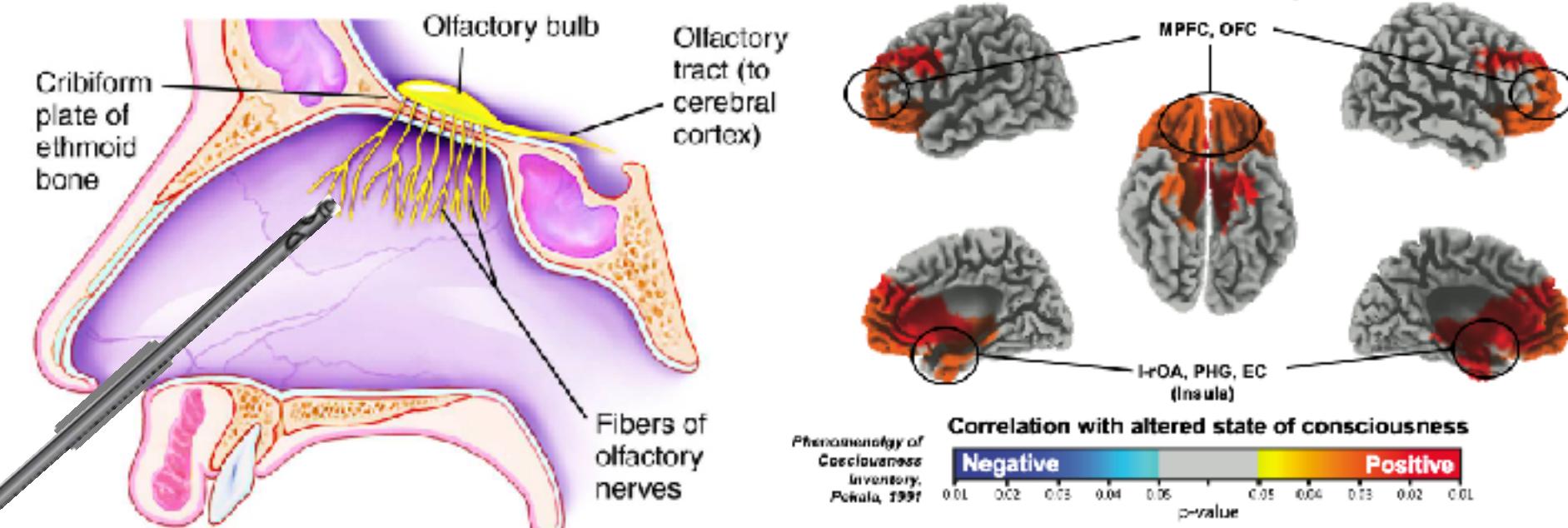


How Breath-Control Can Change Your Life: A Systematic Review on Psycho-Physiological Correlates of Slow Breathing

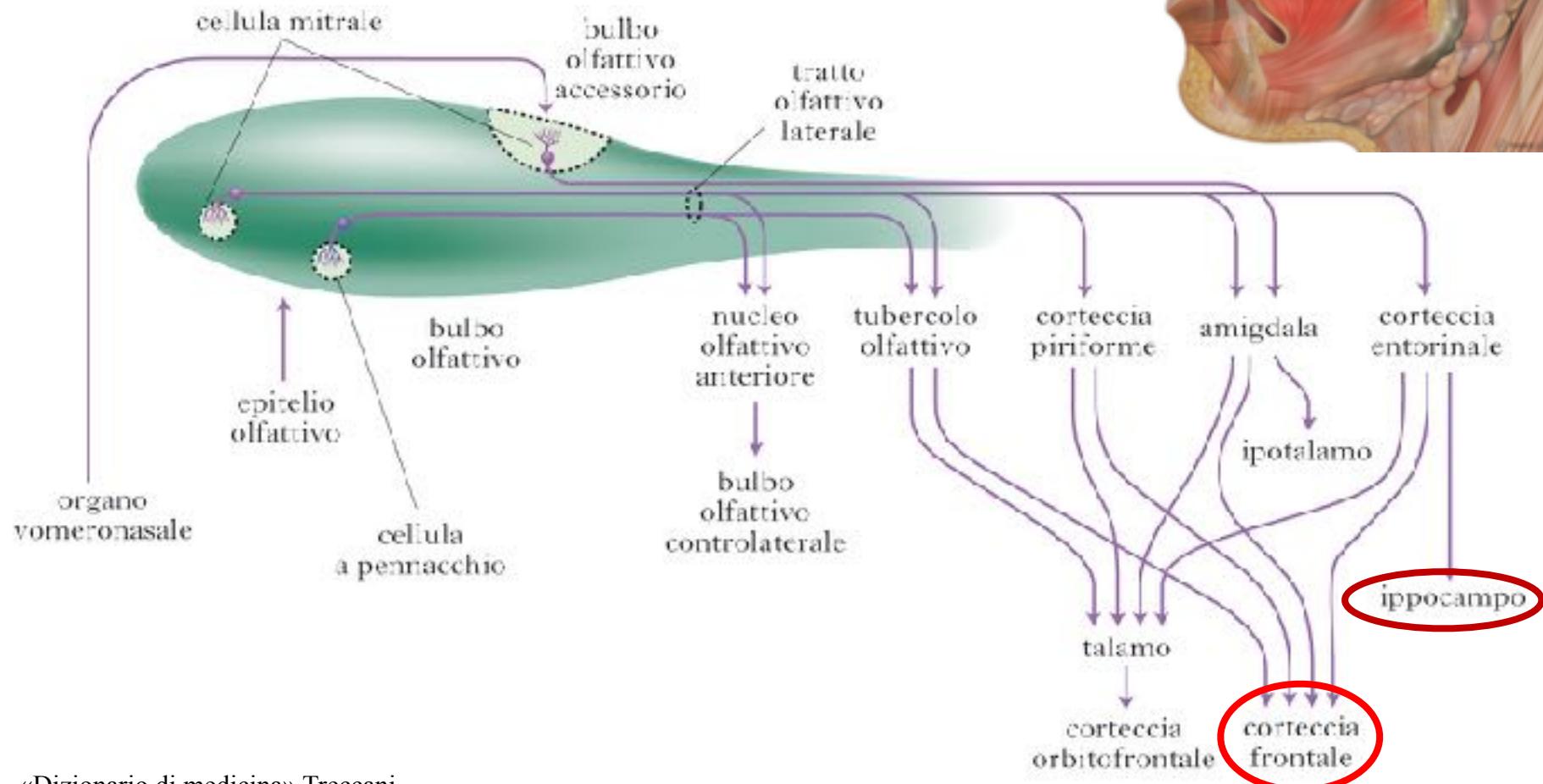
 Andrea Zaccaro¹,  Andrea Piarulli^{1,2},  Marco Laurino³,  Erika Garbella⁴,  Danilo Menicucci⁵,  Bruno Neri⁶ and  Angelo Gemignani^{1,2,b*}

Ultra-slow mechanical stimulation of olfactory epithelium modulates consciousness by slowing cerebral rhythms in humans

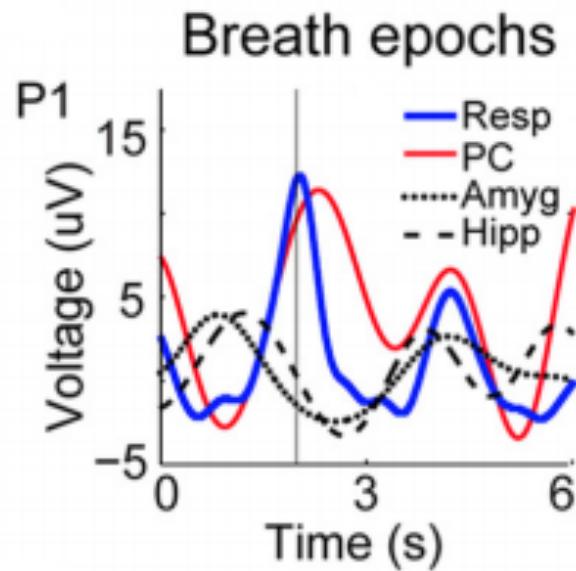
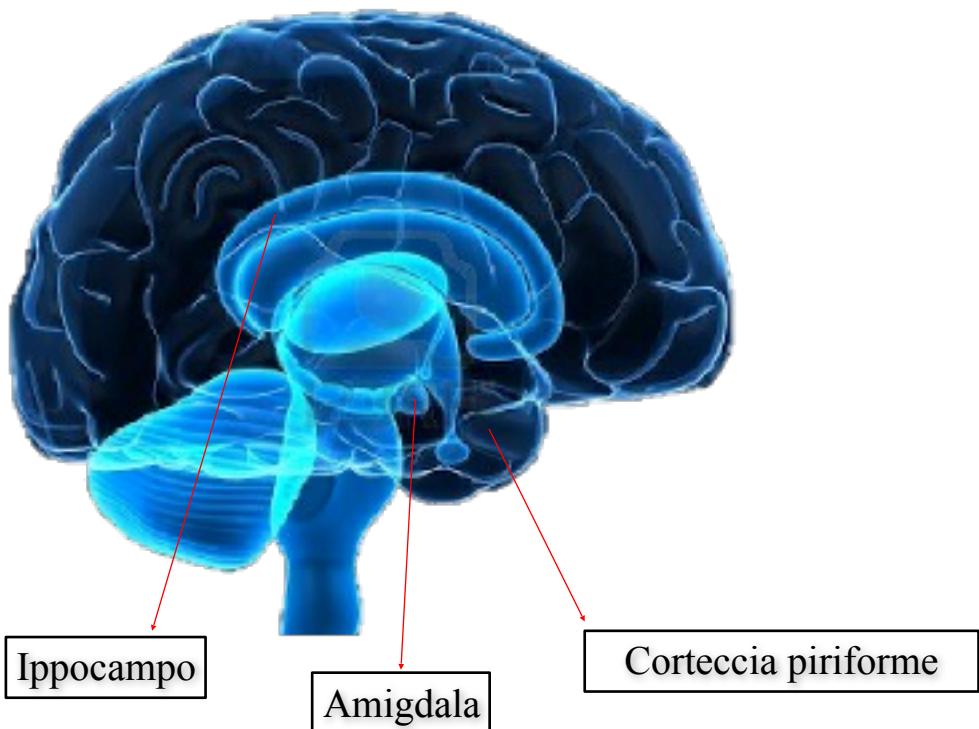
A. Pierulli, A. Zaccaro, M. Laurino, D. Menicucci, A. De Vito, L. Bruschini, S. Berrettini, M. Bergamasco, S. Laureys & A. Gornignani



Strutture connesse al bulbo olfattivo

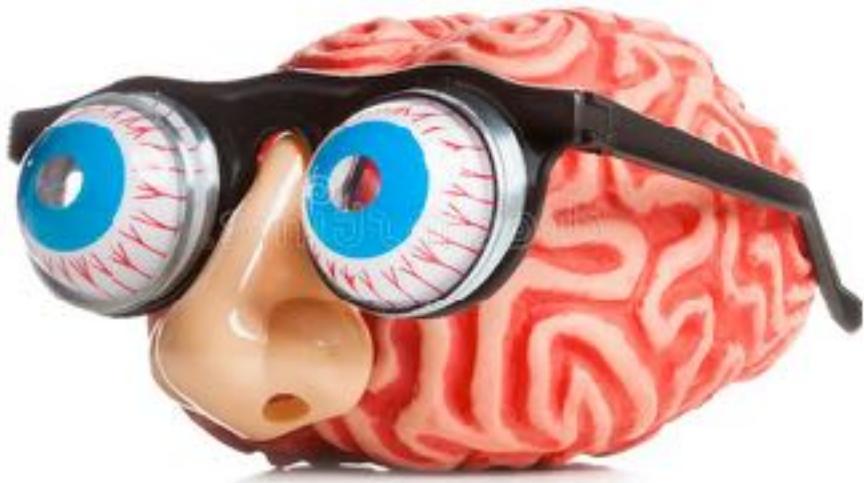


Correlati elettrofisiologici della ventilazione



Attività elettrica durante la veglia (Zelano et al., 2016)

Verde e dimensione cognitiva



Attenzione

Logica

Problem-solving

Memoria

Creatività

Parole-chiave della ricerca bibliografica

Piante aromatiche

Lavender (<i>Lavandula Angustifolia</i>)	Patchouli (<i>Pogostemon Cablin</i>)
Eucalyptus (<i>Eucalyptus Globulus</i>)	Ginger (<i>Zingiber Officinalis</i>)
Peppermint (<i>Mentha Piperita</i>)	Rose (<i>Rosa Damascena</i>)
Lemon (<i>Citrus Limonum</i>)	Grapefruit (<i>Citrus Paradisi</i>)
Rosemary (<i>Rosmarinus Officinalis</i>)	Frankincense (<i>Boswellia Carterii</i>)
Orange (<i>Citrus Sinensis</i>)	Clary Sage (<i>Salvia Sclarea</i>)
Ylang ylang (<i>Cananga Odorata</i>)	Bergamot (<i>Citrus Aurantium</i>)
Vetiver (<i>Vetiveria Zizanoides</i>)	Tea Tree (<i>Malaleuca Alternifolia</i>)
Black pepper (<i>Piper Nigrum</i>)	Chamomile (<i>chamaemelum nobile</i>)
Immortelle (<i>Helichrysum Italicum</i>)	Geranium (<i>Pelargonium Graveolens</i>)
Marjoram (<i>Origanum Majorana</i>)	...

Funzioni cognitive ed emotive

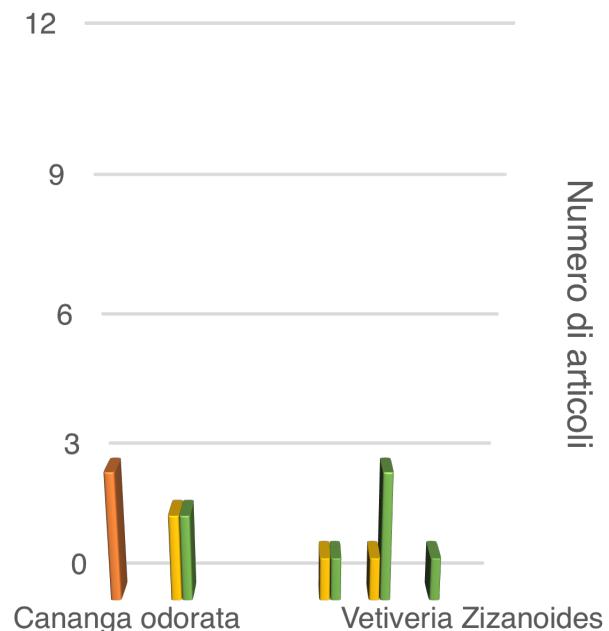
Attenzione: attention, conflict monitoring

Funzioni esecutive: action evaluation, behavioral adjustment/behavioural adjustment, agency, anticipation, appraisal, avoidance, behavioral control/behavioural control, behavioral inhibition/behavioural inhibition, behavioral regulation/behavioural regulation, cognitive control, contingency change, decision making/decision-making, emotion control/emotional control, emotion regulation/emotional regulation, error detection, error prediction, error signaling, introspection, orientation, response selection, reversal learning, risk prediction, self-regulation/self regulation, self-consciousness/self consciousness, social adjustment, social context, social interaction, theory of mind, visuo-spatial imagery/visuospatial imagery/visual-spatial imagery/spatial imagery/visual imagery, mental imagery, working memory

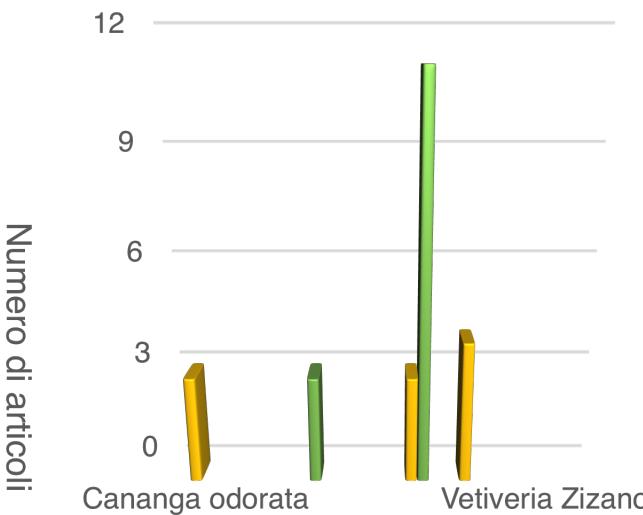
Memoria: autobiographic/autobiographical memory, consolidation, contextual learning, contextualization, declarative memory, emotional memory, encoding, episodic learning, episodic memory, explicit memory, memory storage, ongoing memory, retention, retrieval, short-term memory, spatial learning

Risultati della ricerca bibliografica

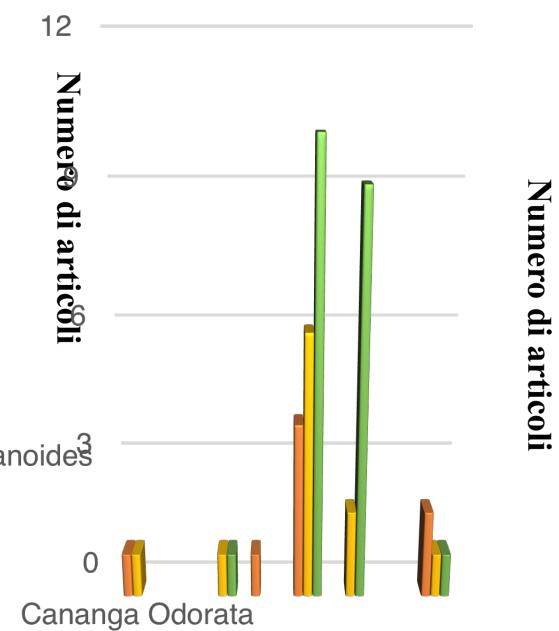
MEMORIA



UMORE



ATTENZIONE



* χ^2 test: $p < 0.05$

■ Compromissione ■ Nessun effetto
■ Potenziamento

Applicazioni reali e potenziali



Esperimento fai-da-te, in tutti i sensi



BODHY LAB