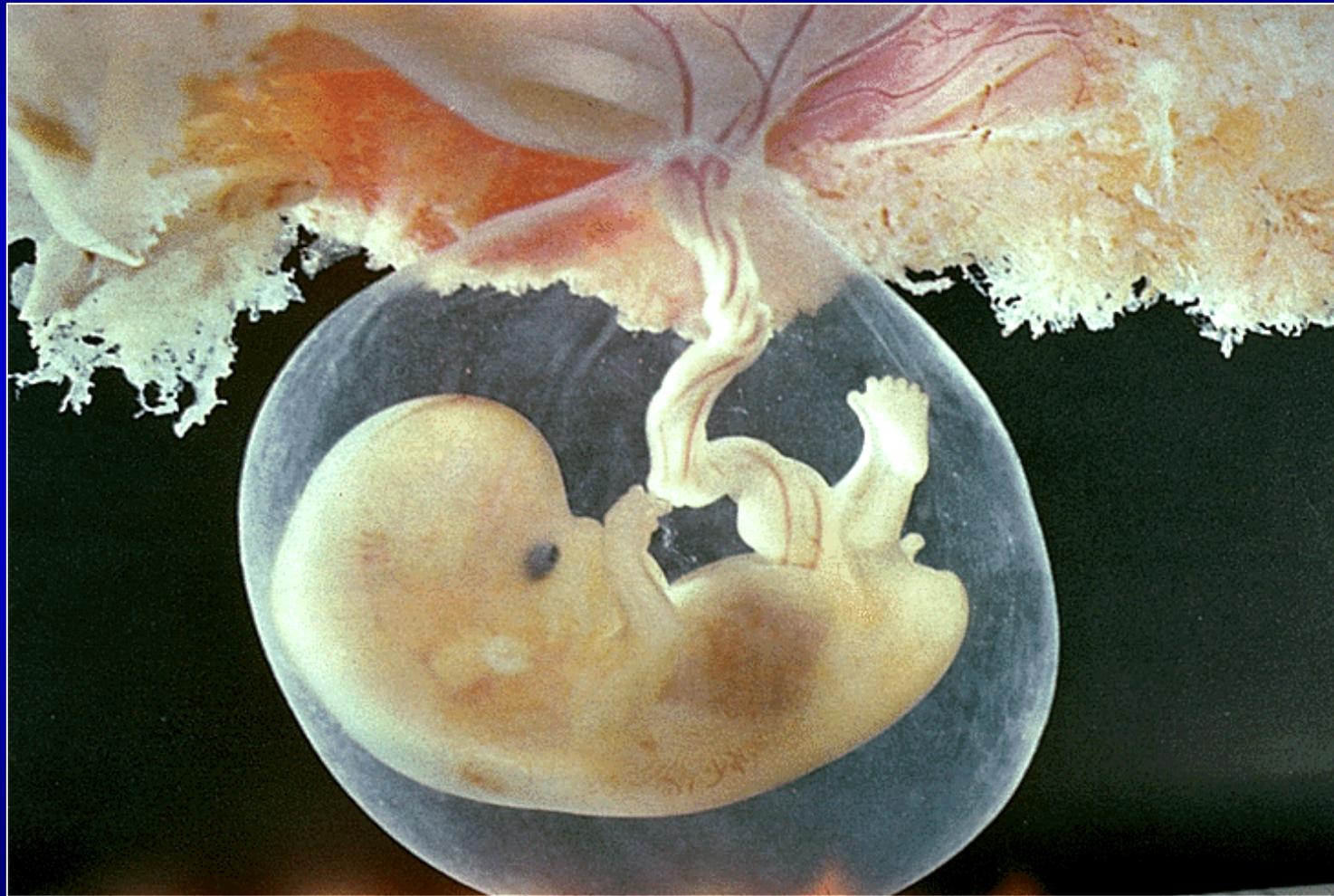




FETOPATIA DA ALCOL: NUOVE EVIDENZE

Mauro CECCANTI

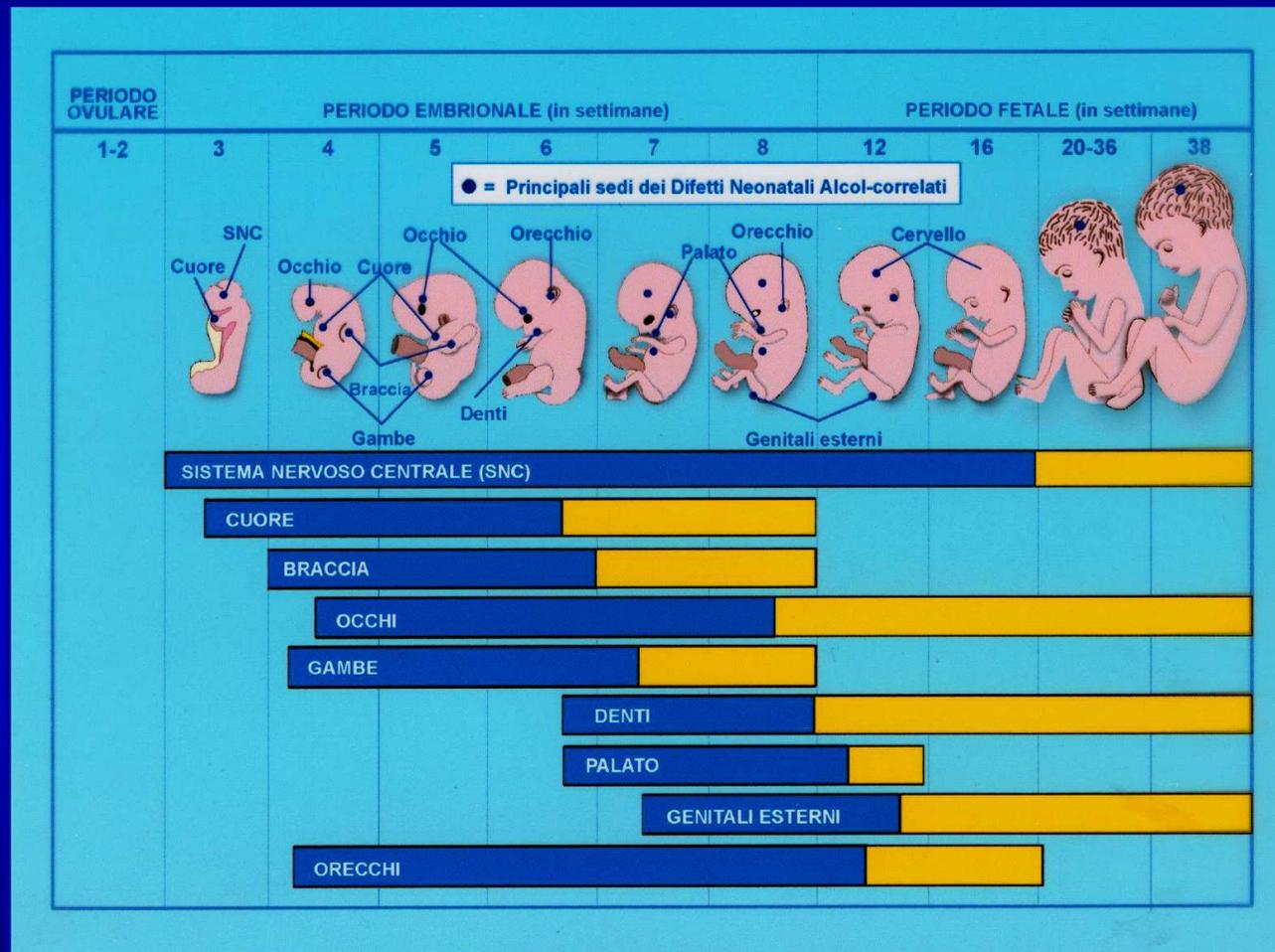


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PERIODO DI SVILUPPO





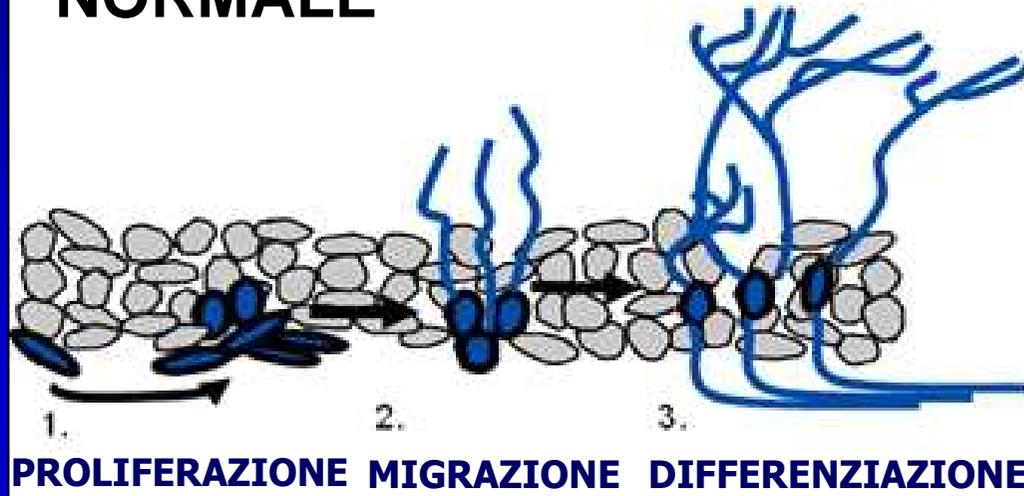
MECCANISMI PATOGENETICI DELLA FASD

- **ALTERAZIONE DELLA ADESIONE CELLULARE L1 MEDIATA.**
- **ALTERAZIONE DELLA TRASMISSIONE MEDIATA DA FATTORI DI CRESCITA**
- **INDUZIONE DELL' APOPTOSI NEURONALE**
- **INTERAZIONE DELL' ETANOLO CON ALCUNI ENZIMI METABOLICI PRESENTI NEL TESSUTO NERVOSO.**

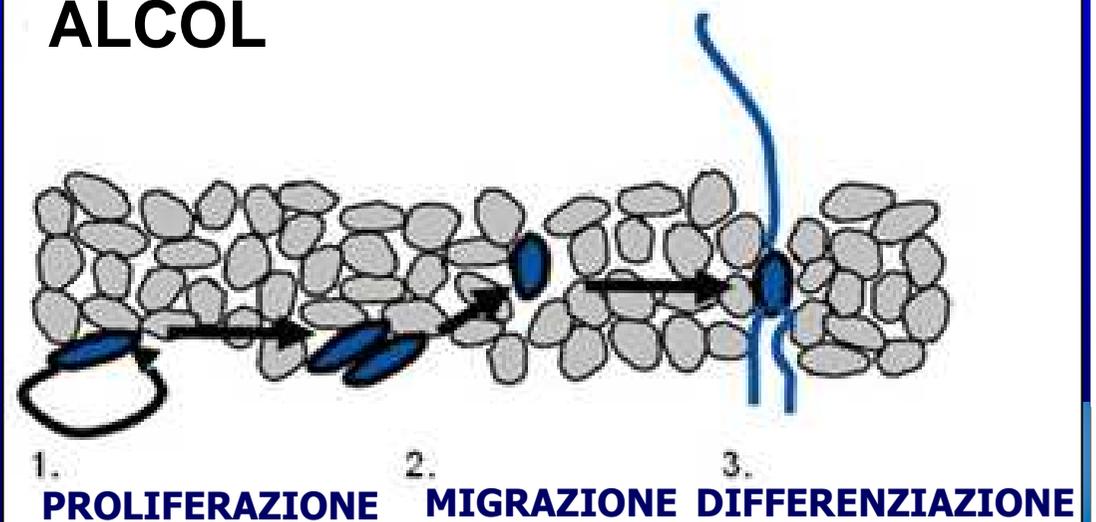


NEUROGENESI

NORMALE



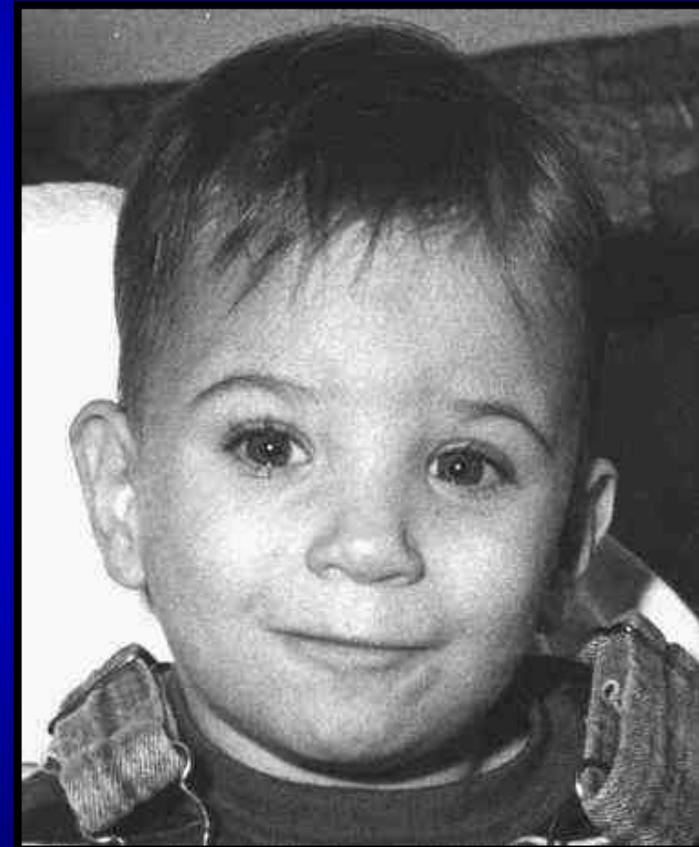
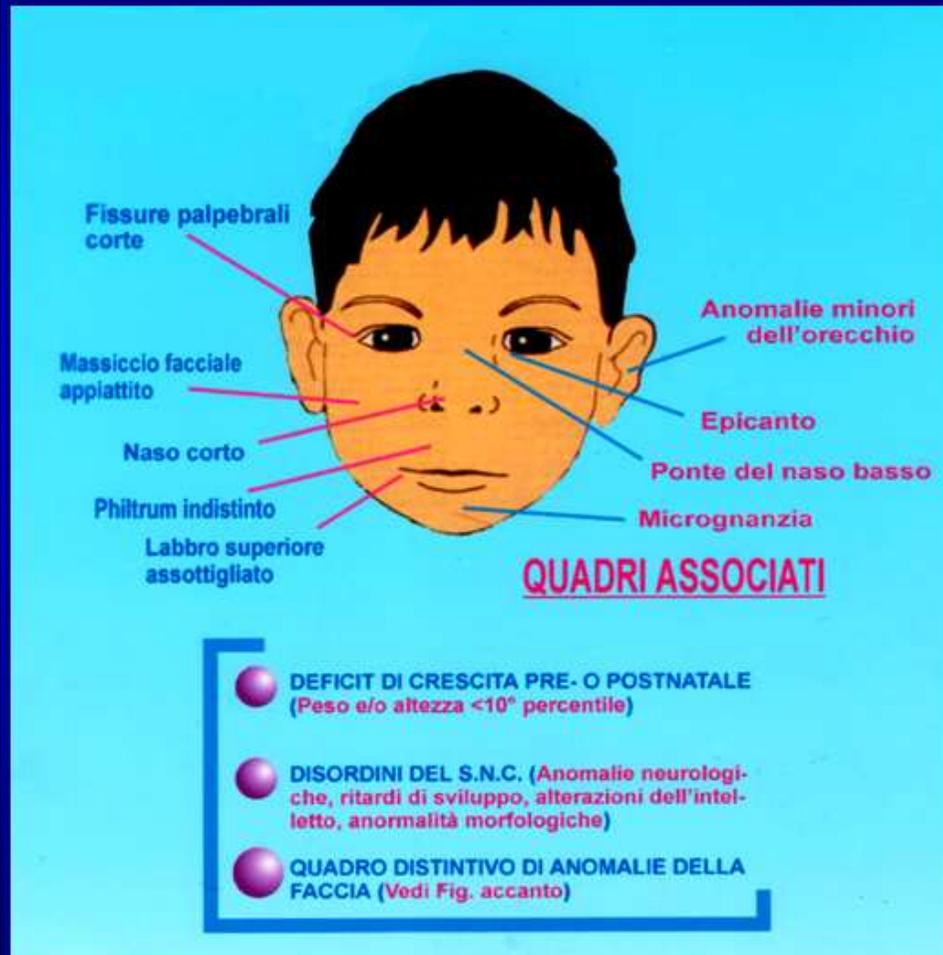
ALCOL





FAS

QUADRI PATOGNOMONICI





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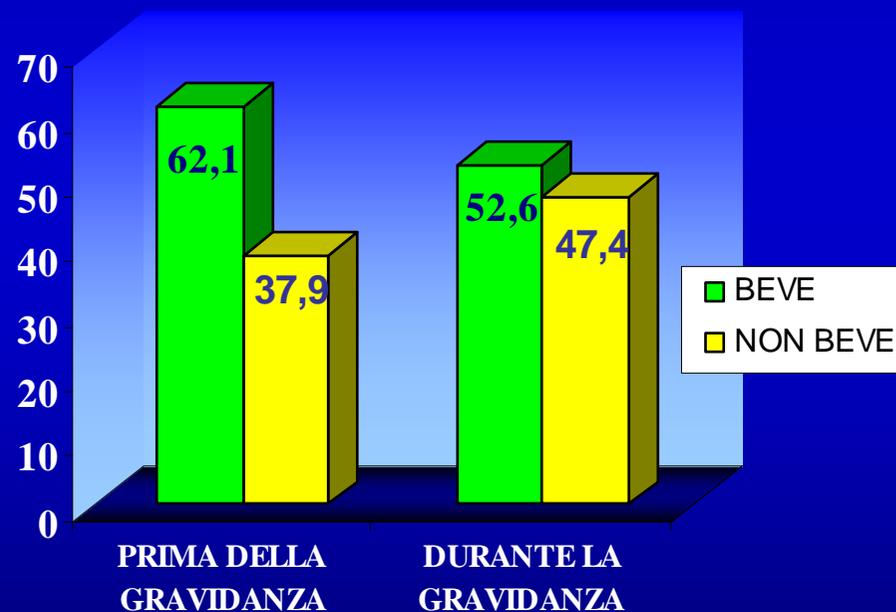


CONSUMO DI ALCOL IN GRAVIDANZA

(Kodituwaku P., Ceccanti M. et al. 2003)

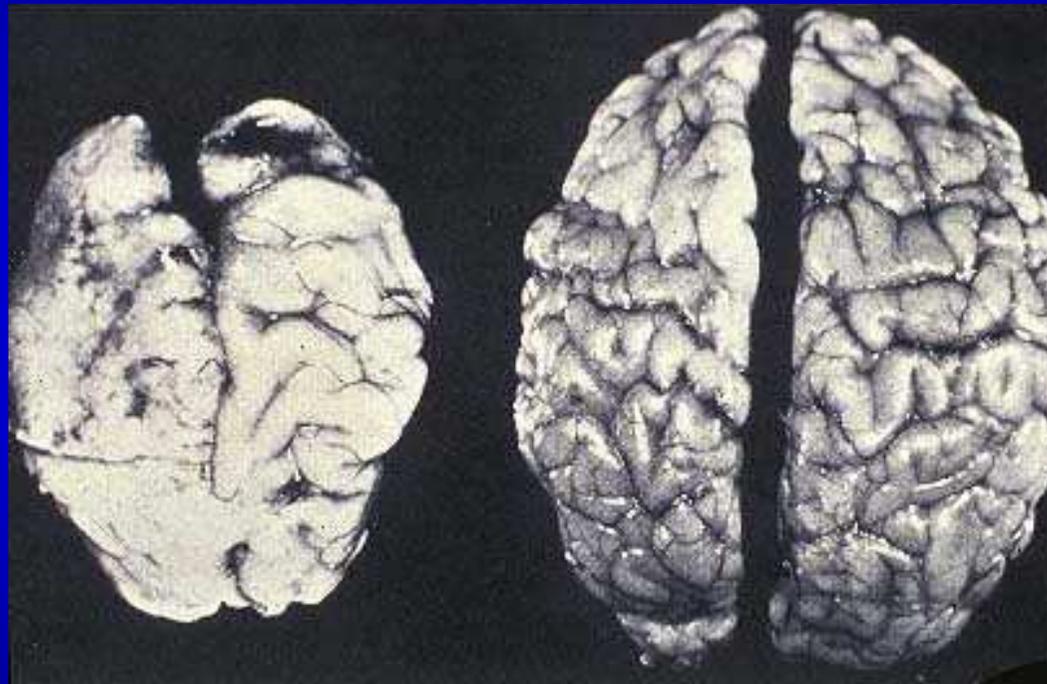
- Tra chi beve, il 30,4% beve ogni giorno
- Il 4,1% beve più di 14 drink a settimana durante la gravidanza

- Solo il 10% smette





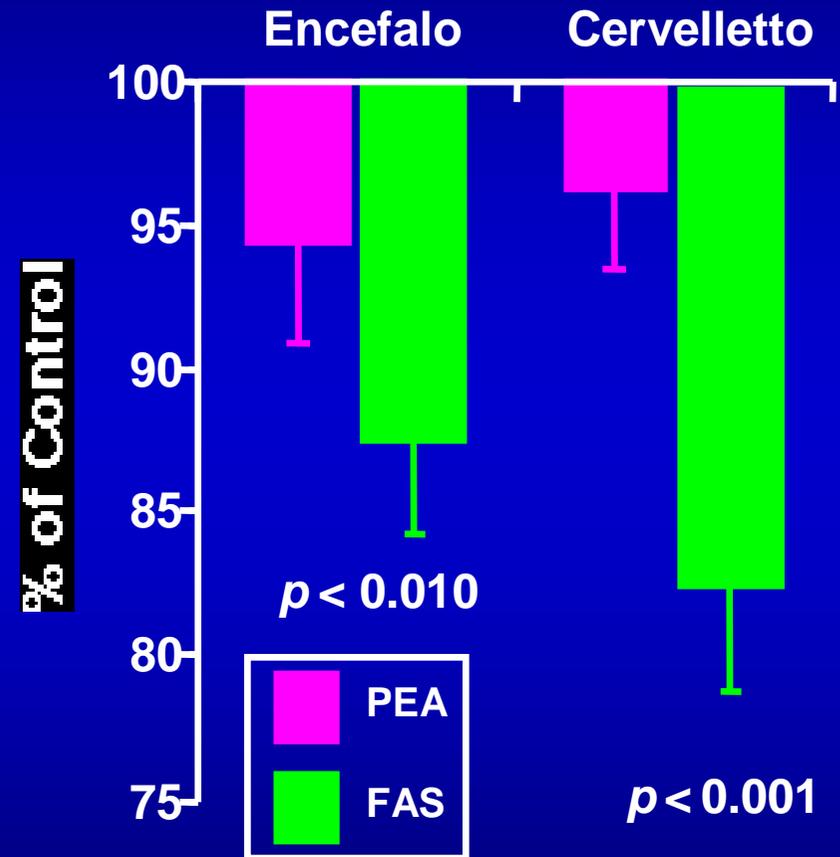
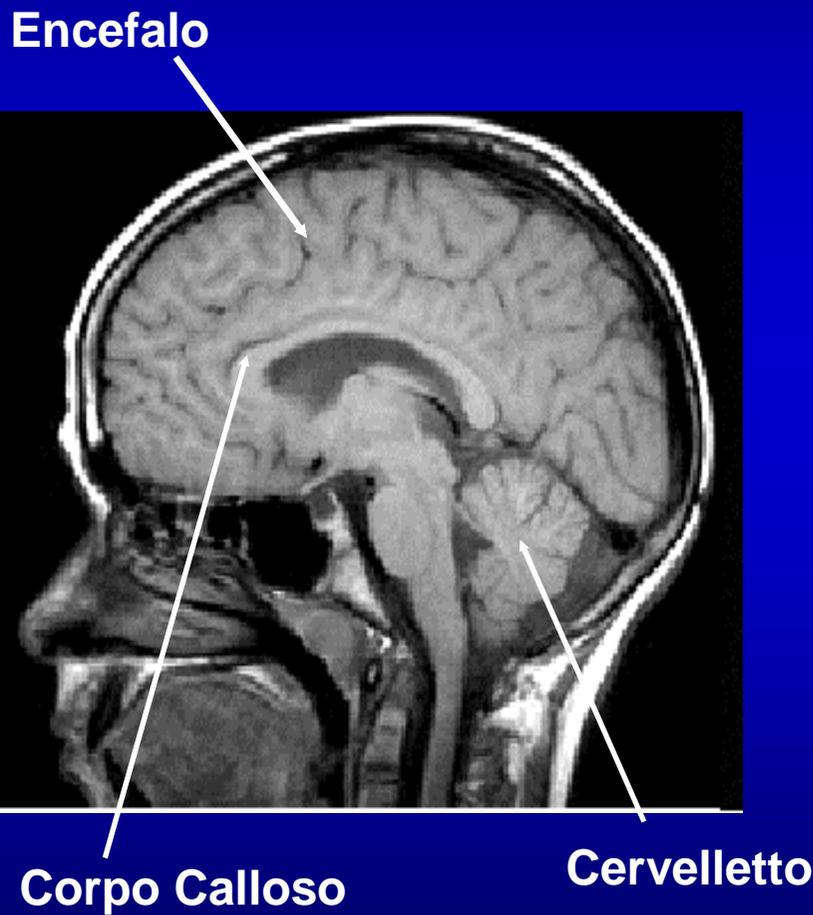
DANNI DEL CERVELLO DERIVANTI DALL'USO DI ALCOOLO PRENATALE



Clarren, 1986

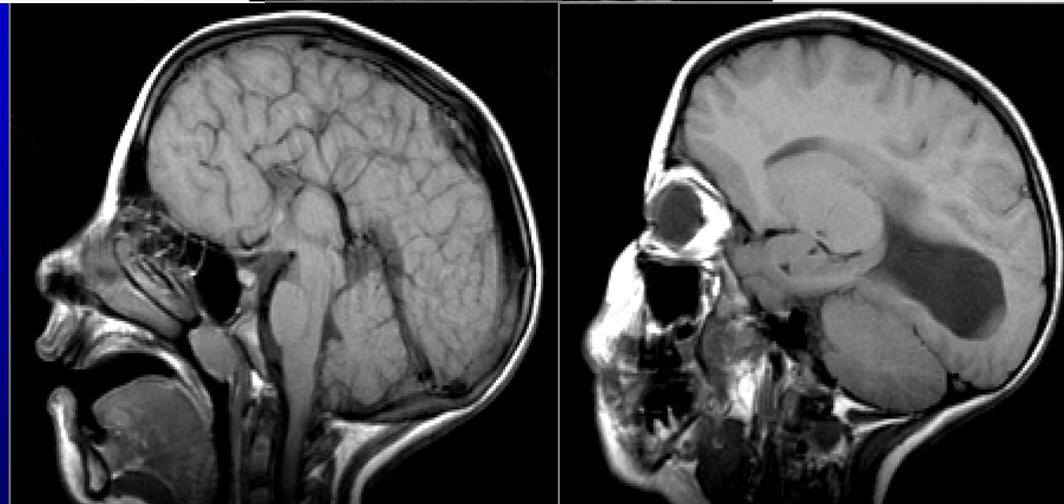


ALTERAZIONI A CARICO DEL SNC





ALCOL E CERVELLO



Mattson, et al., 1994; Mattson & Riley, 1995; Riley et al., 1995

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PROBLEMI NEUROPSICOLOGICI

- Attenzione
- Iperattività
- Disturbi d'apprendimento
- QI da ritardo mentale a medio-alto
- Abilità cognitive complesse



DATI PSICOMETRICI

May P., Ceccanti M. et al., Alcohol. Clin. Exp. Res., 2006

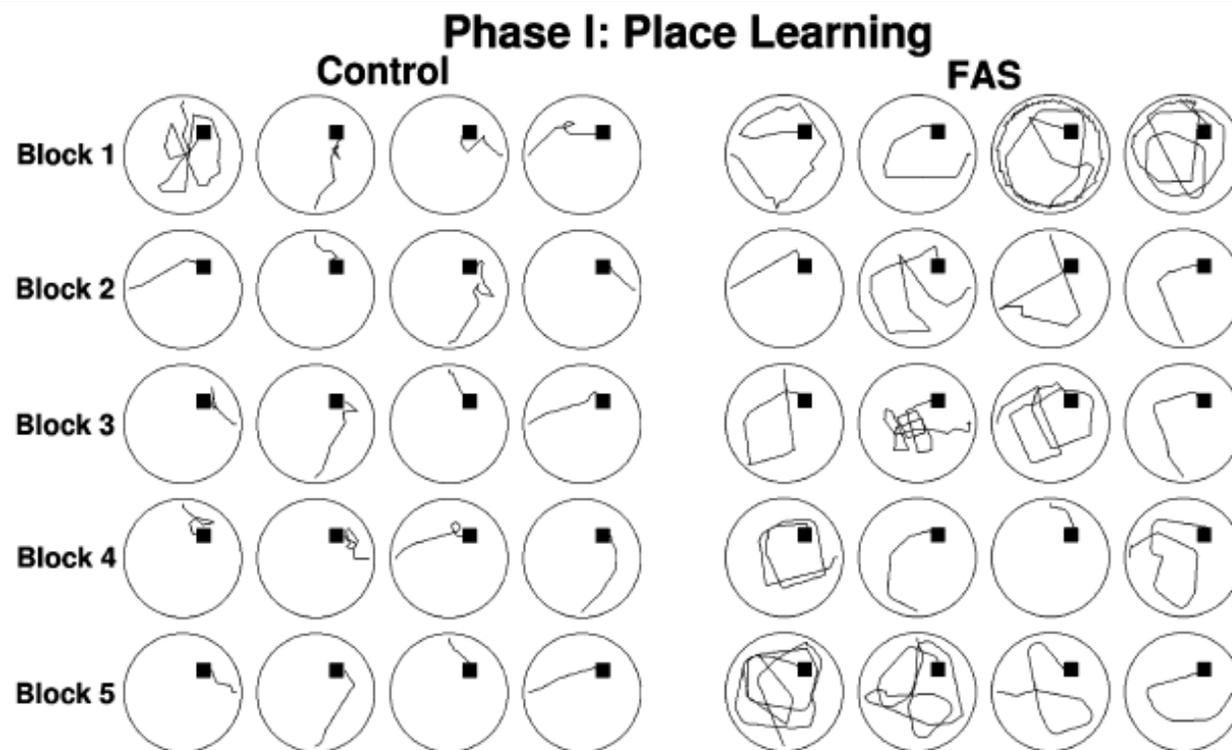
	FAS	Def.	Control	p
Lang. Comp.*	3.2	3.5	4.9	.009
Non-verbal IQ**	51.8	58.2	72.3	.005
Behavior ***	5.3	11.7	3.9	.001
Tot. dys. Score	14.5	10.4	3.3	.001
Maternal variables				
Mean drks. Wk.	16.2	7.5	1.5	.006
Mean drks. Day	2.6	1.5	0.8	.012

*Raven, **Rustioni, ***PCBL





MORRIS WATER VIRTUAL TEST





PREVALENZA FAS IN ITALIA

Rate per 1000

	<u>n</u>	<u>campione*</u>	<u>popolazione**</u>
FAS	8	8.2	4.0
PFAS	36	36.9	18.1
ARND	1	1.0	0.5
ARBD	1	1.0	0.5

Totale	46	47.1	23.1
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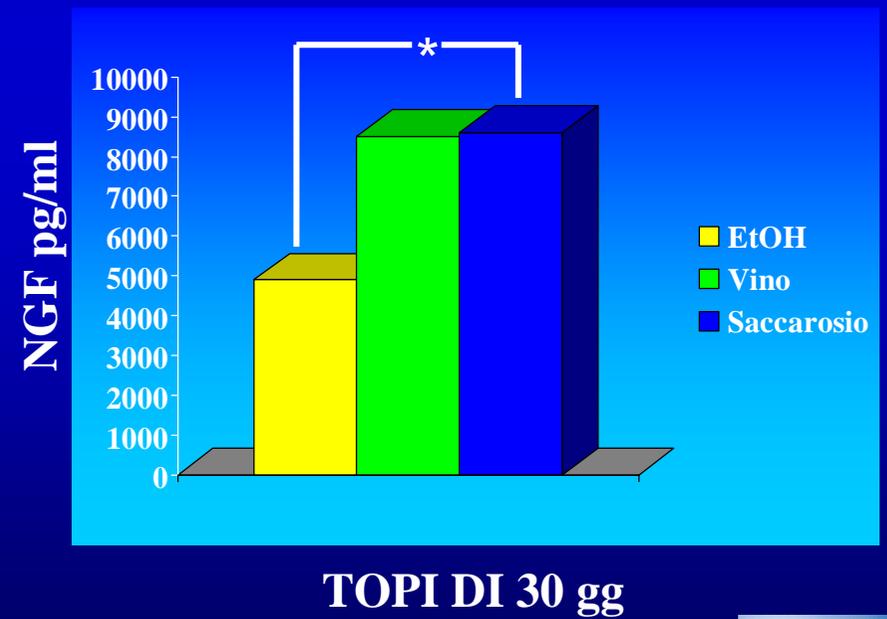
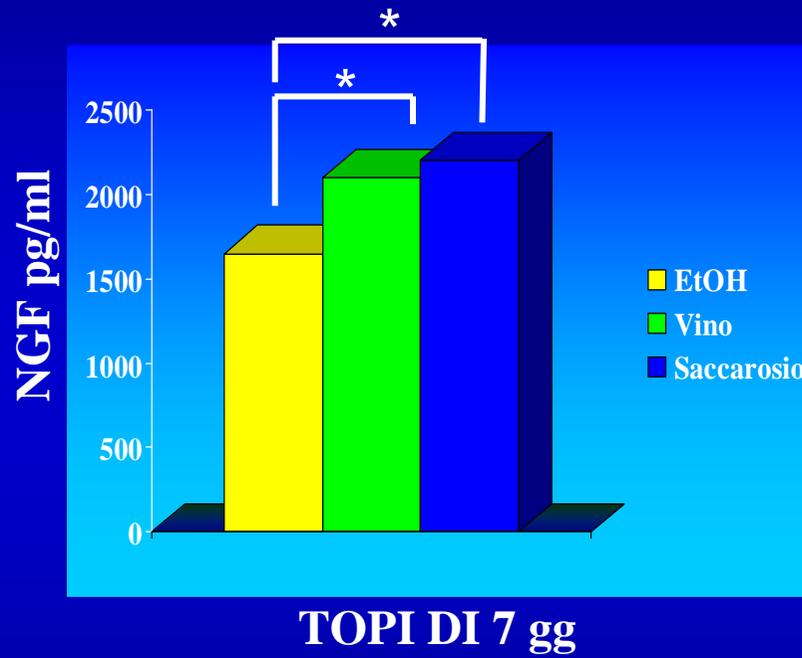
* n=976

** N=1988





NGF IPPOCAMPO



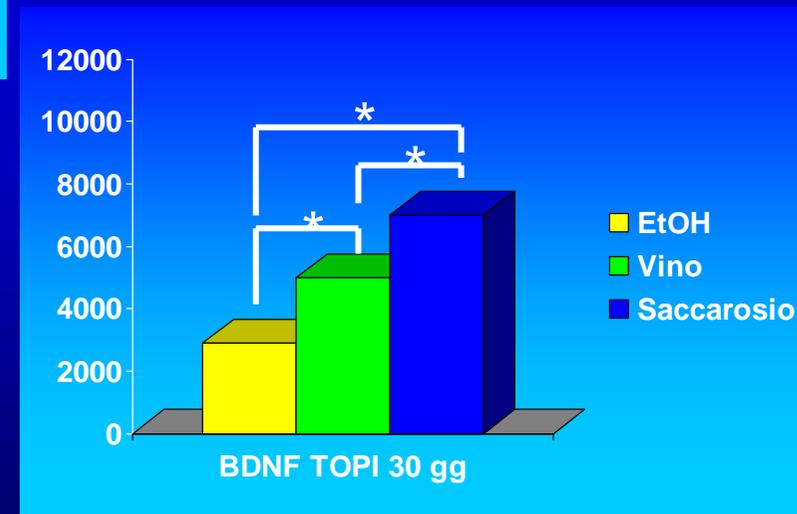
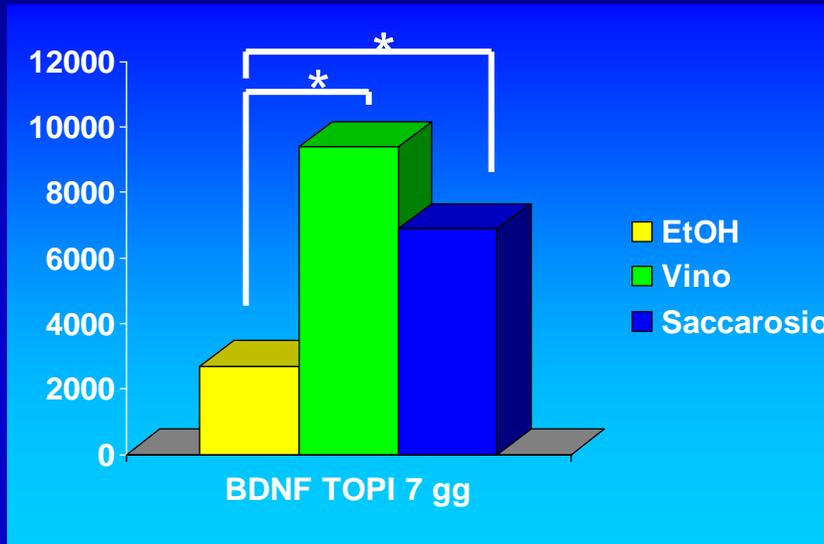
Ceccanti et al. 2008, in press

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BDNF IPPOCAMPO



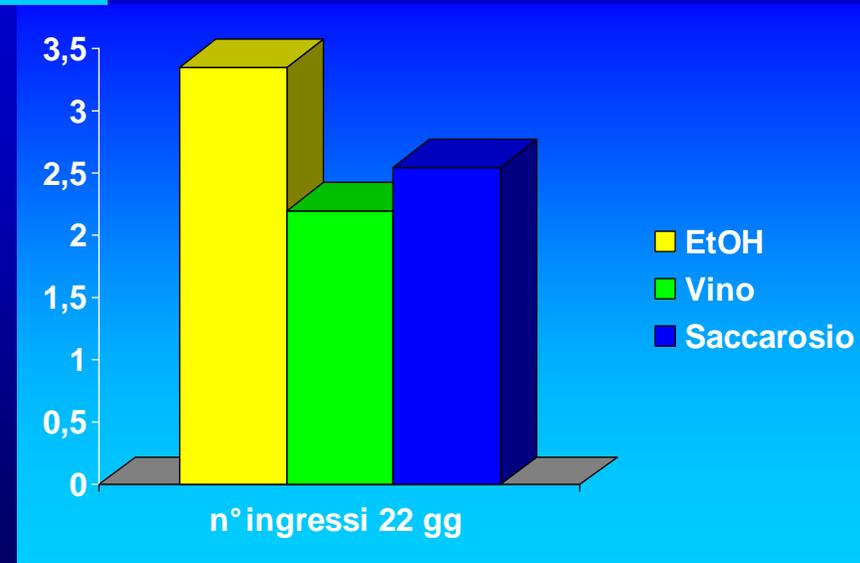
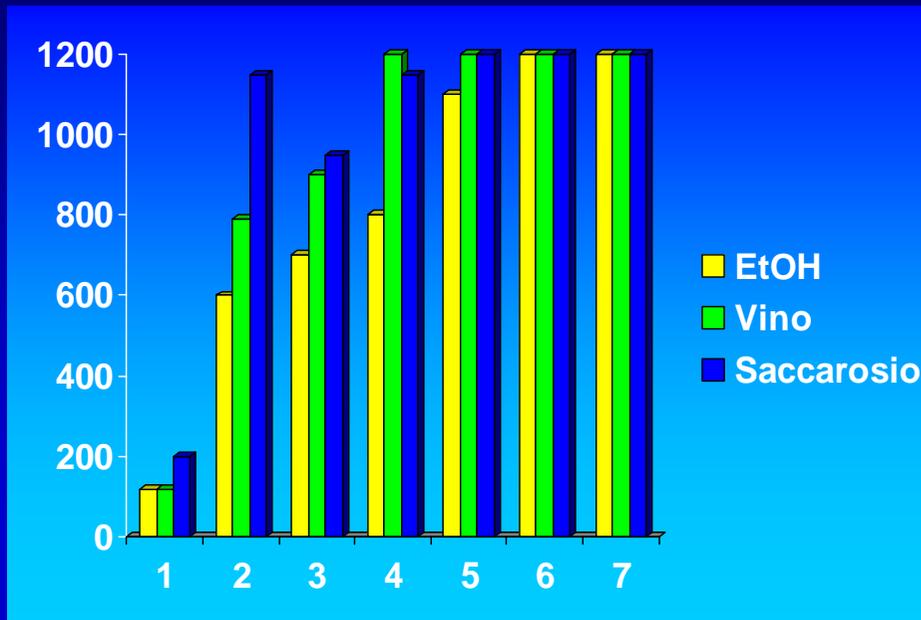
Fiore M., Ceccanti M. et al. 2008, in press

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PASSIVE AVOIDANCE TEST



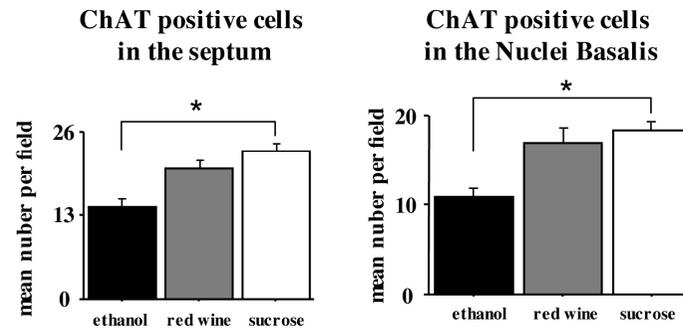
Fiore M., Ceccanti M. et al. 2008, in press

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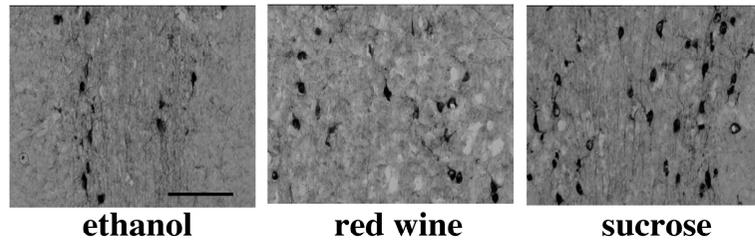




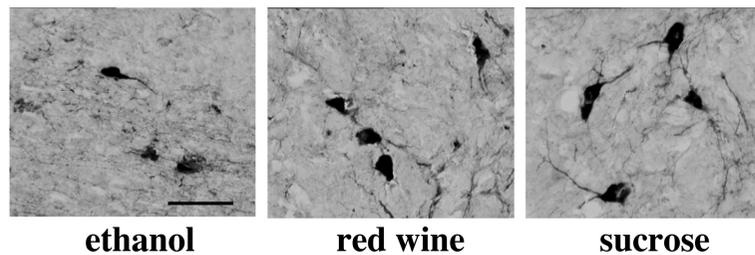
CELLULE CHAT POSITIVE



ChAT positive cells in the septum

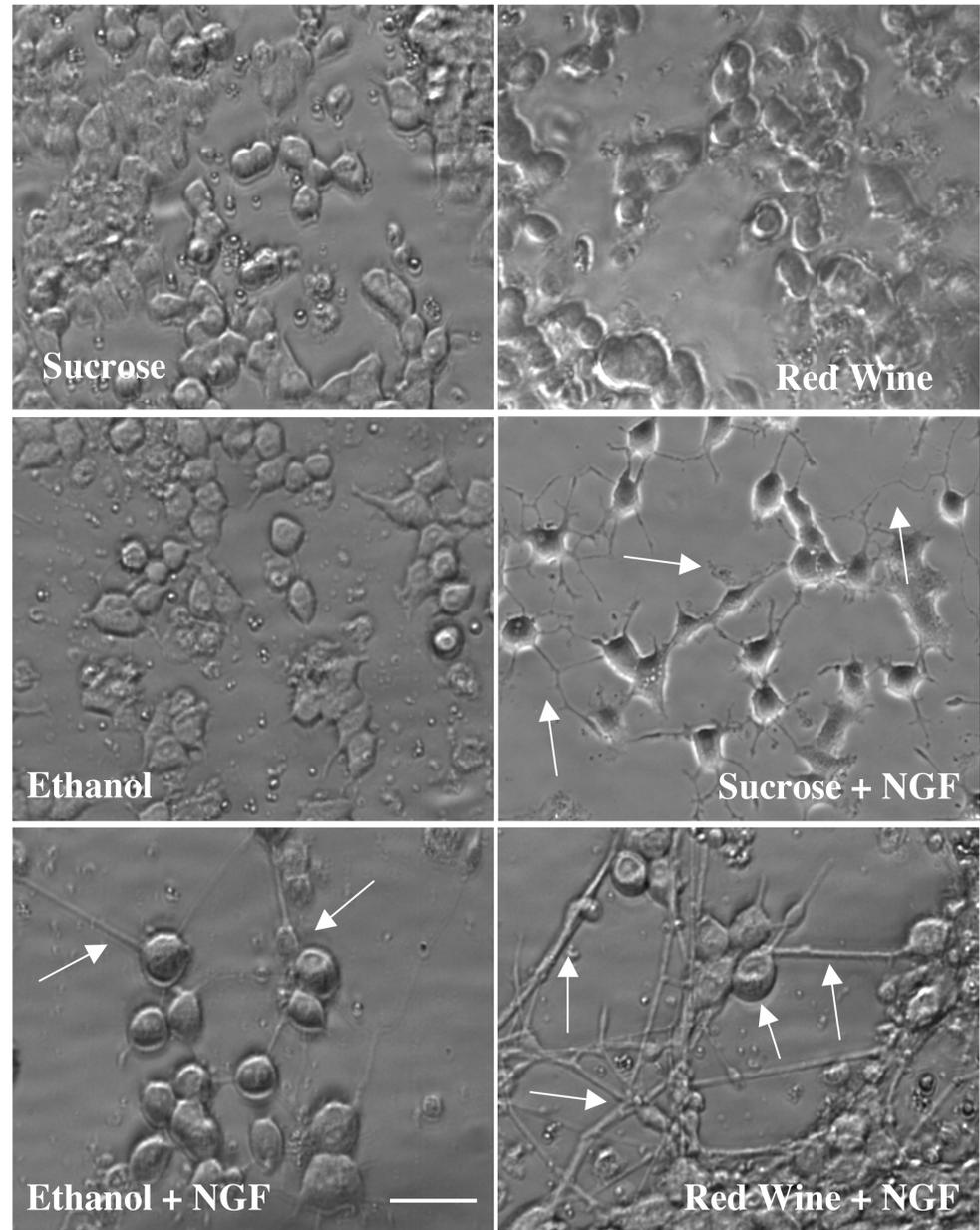


ChAT positive cells in the Nuclei Basalis





GNF e cellule PC-12 del Feocromocitoma





RINGRAZIAMENTI

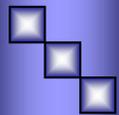
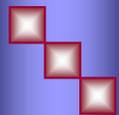
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