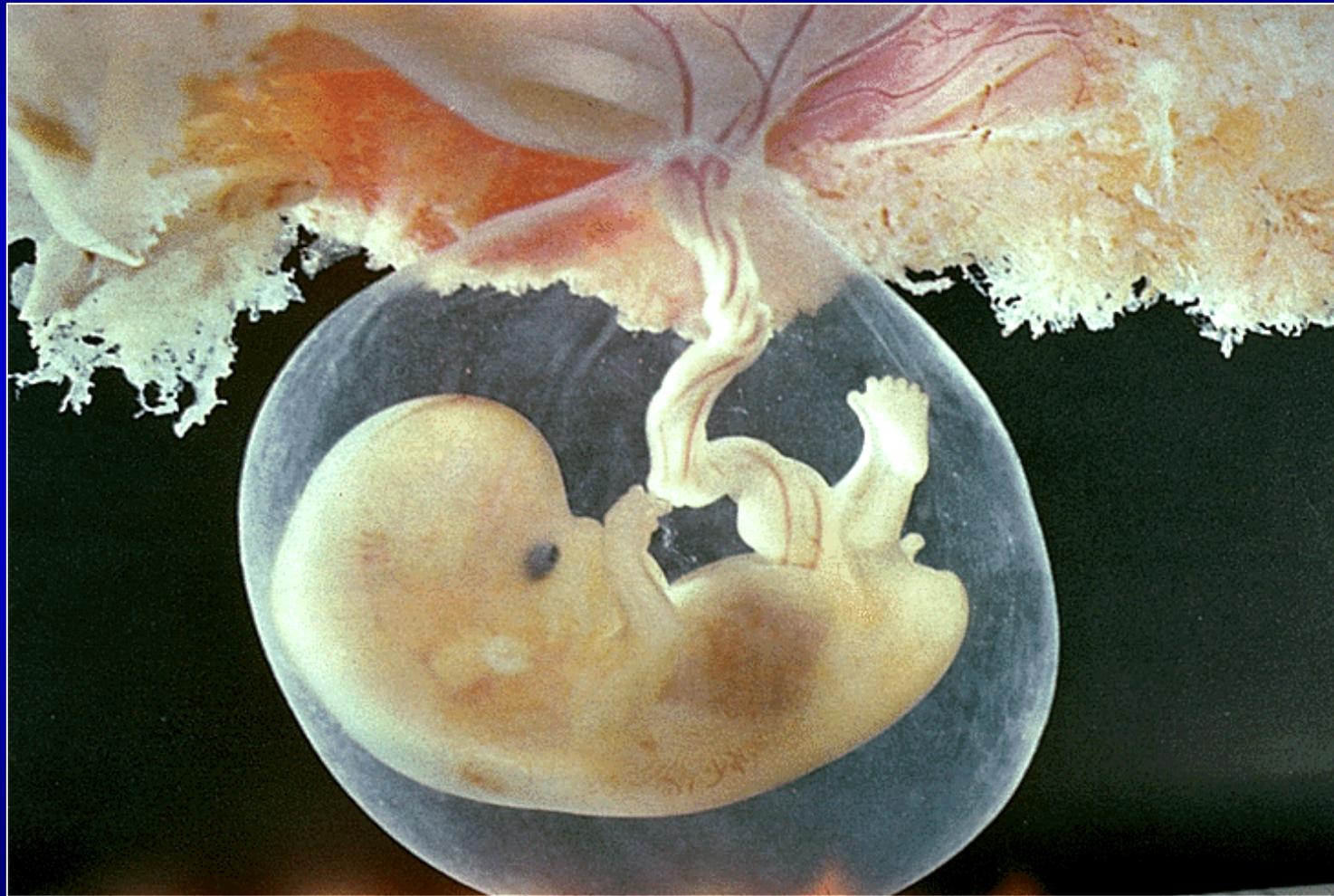




FETOPATIA DA ALCOL: NUOVE EVIDENZE

Mauro CECCANTI

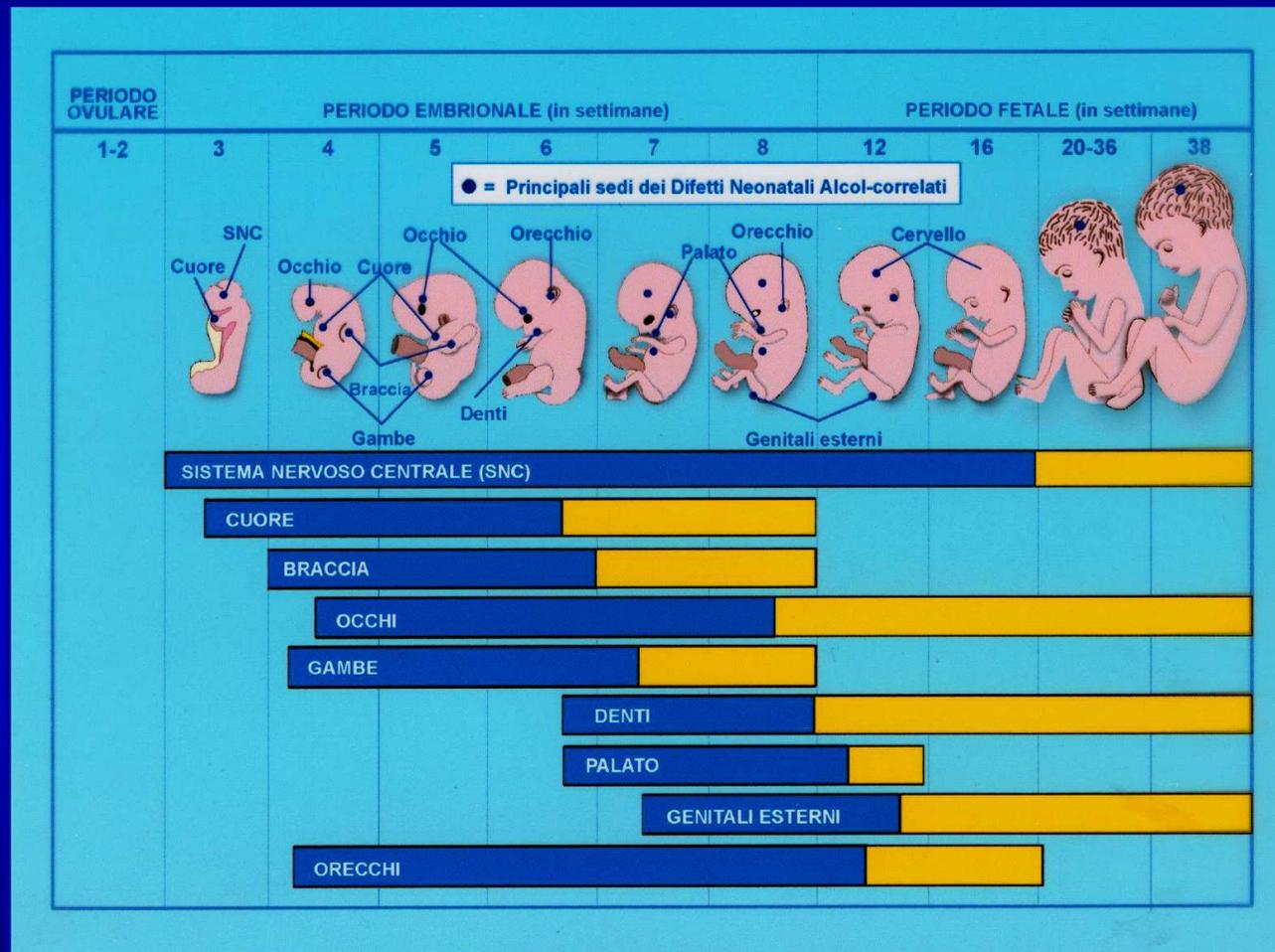


Centro di Riferimento Alcolico
della Regione Lazio





PERIODO DI SVILUPPO





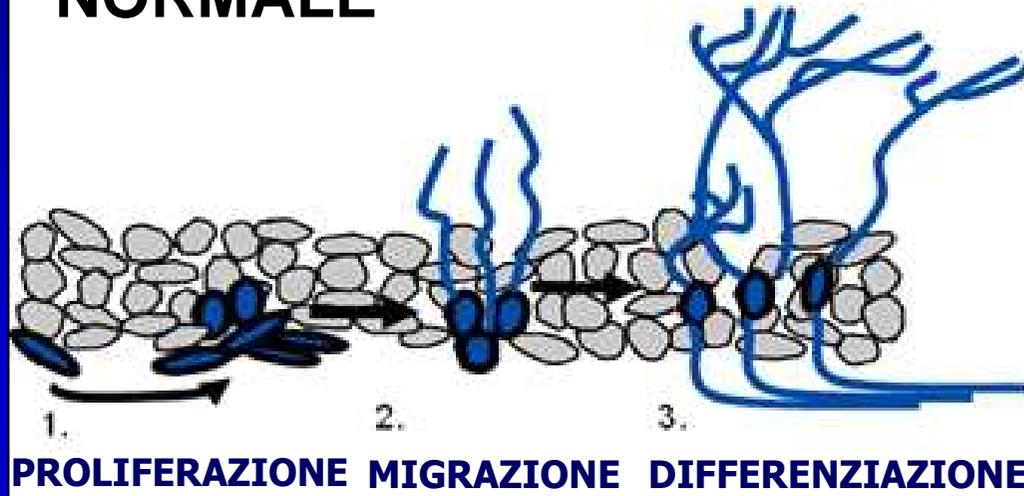
MECCANISMI PATOGENETICI DELLA FASD

- **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.**

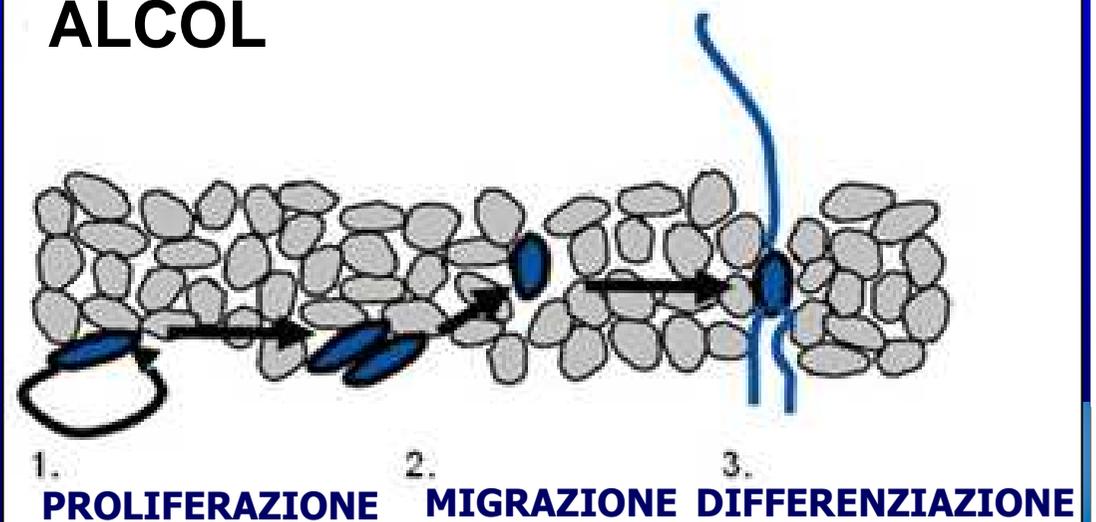


NEUROGENESI

NORMALE



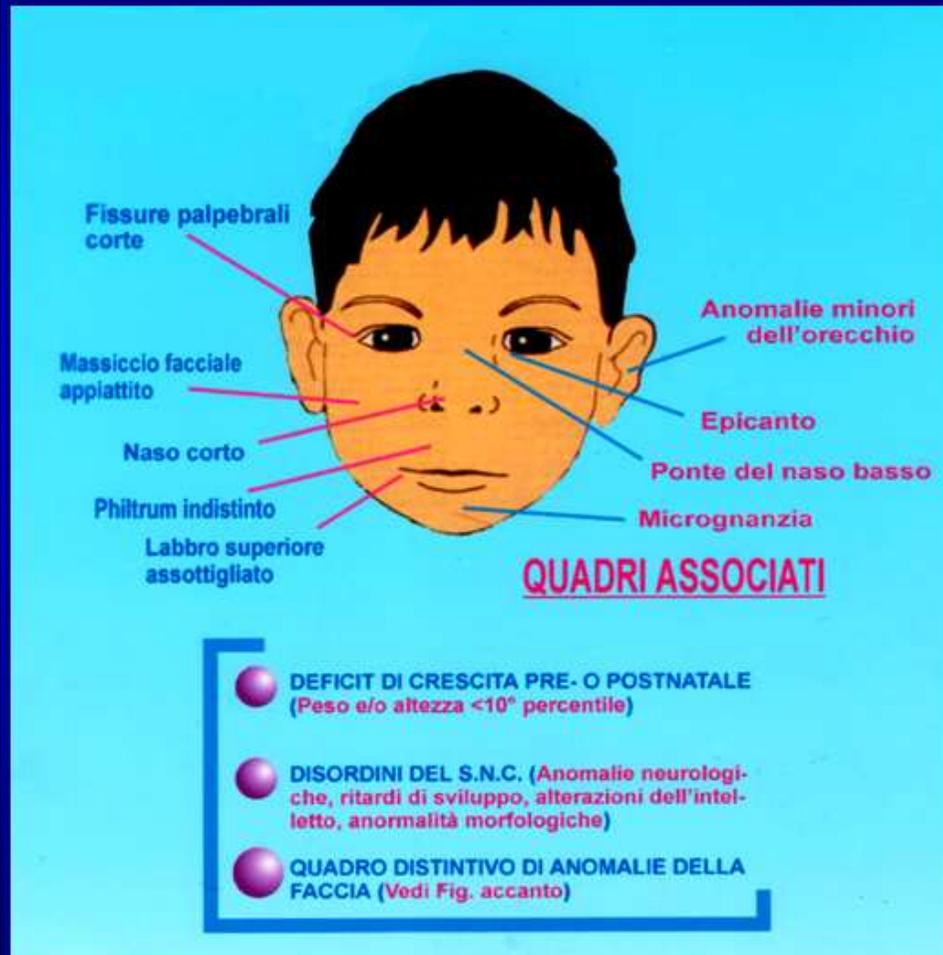
ALCOL





FAS

QUADRI PATOGNOMONICI





Centro di Riferimento Alcolico
della Regione Lazio



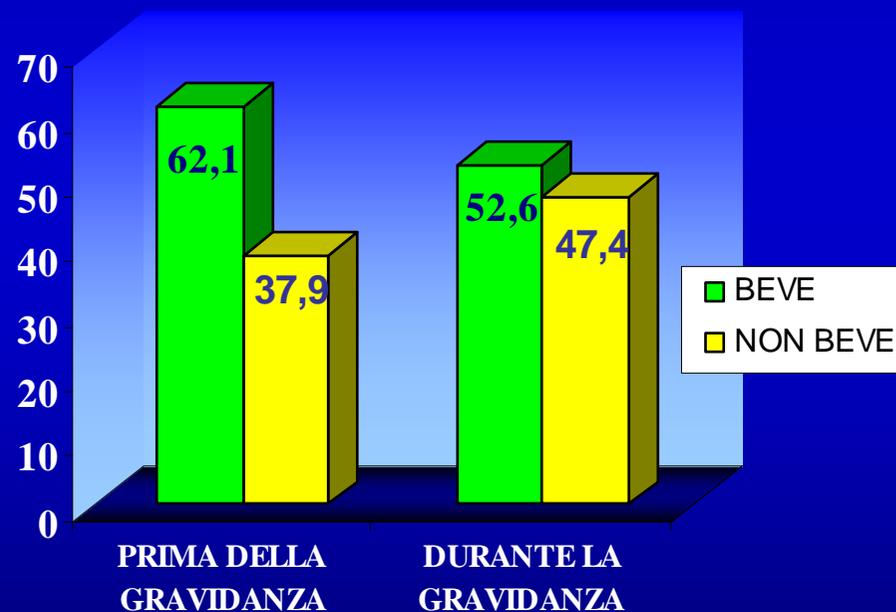


CONSUMO DI ALCOL IN GRAVIDANZA

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

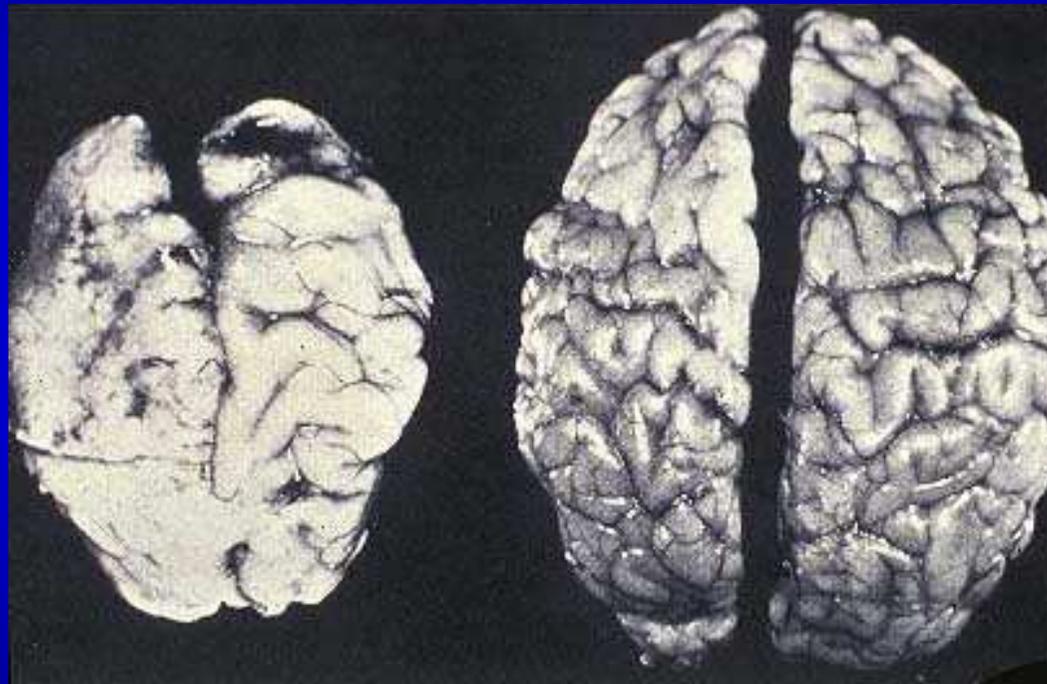
- Tra chi beve, il 30,4% beve ogni giorno
- Il 4,1% beve più di 14 drink a settimana durante la gravidanza

- Solo il 10% smette





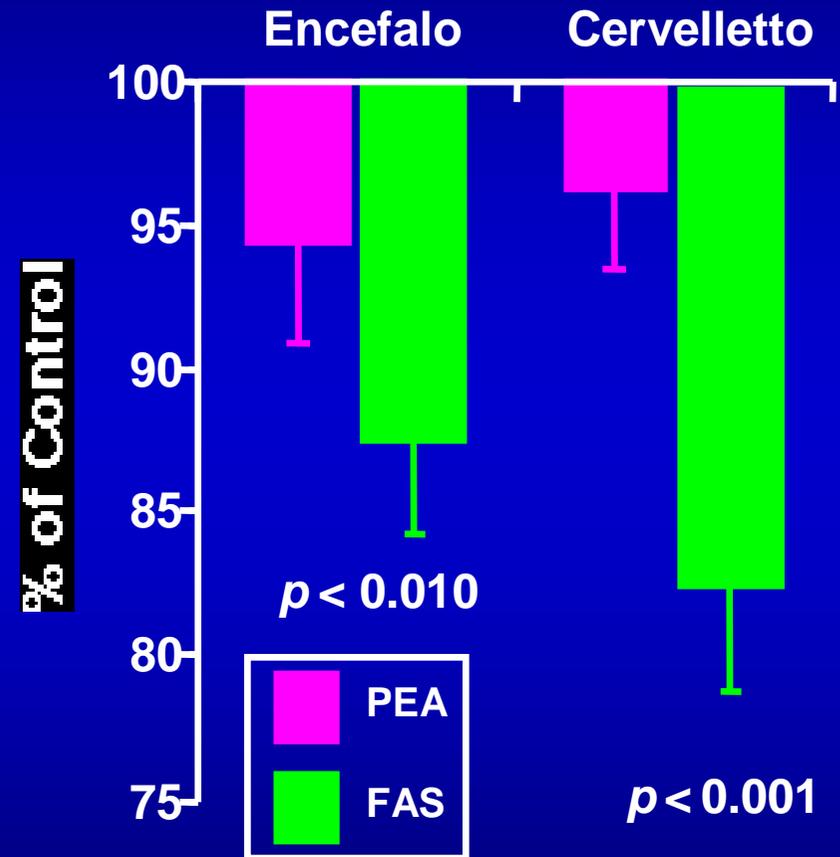
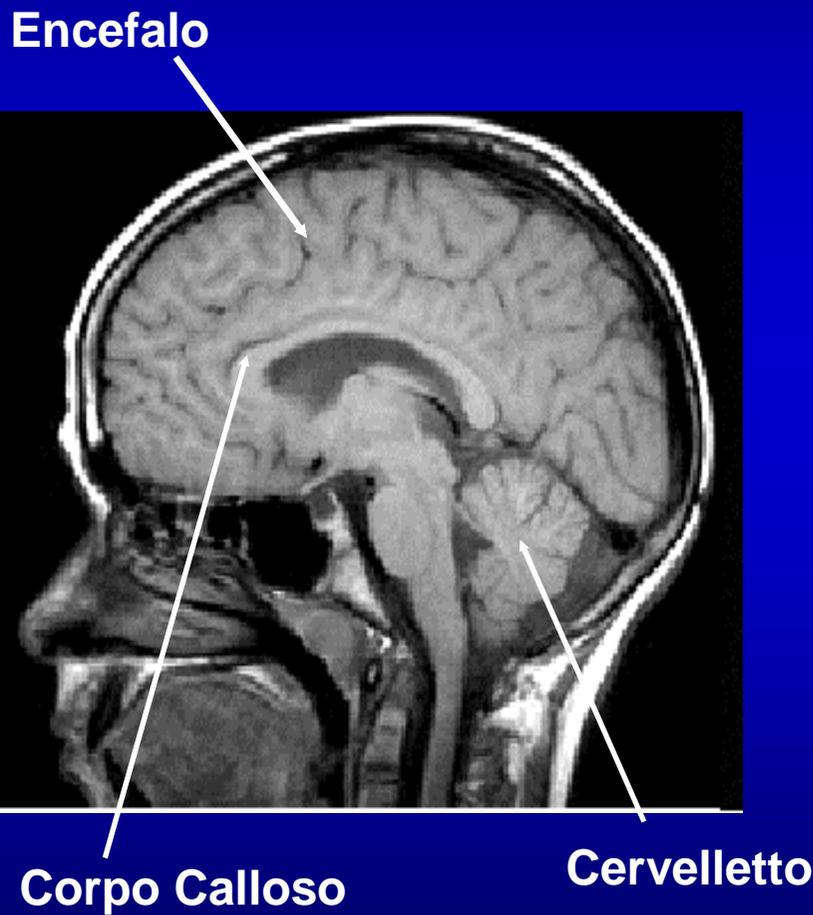
DANNI DEL CERVELLO DERIVANTI DALL'USO DI ALCOOLO PRENATALE



Clarren, 1986

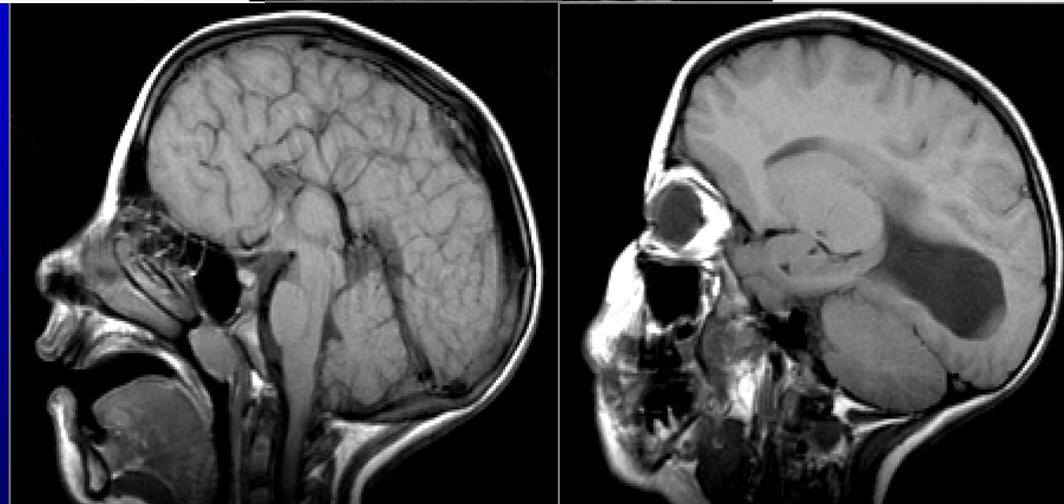


ALTERAZIONI A CARICO DEL SNC





ALCOL E CERVELLO



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

**Centro di Riferimento Alcolico
della Regione Lazio**





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

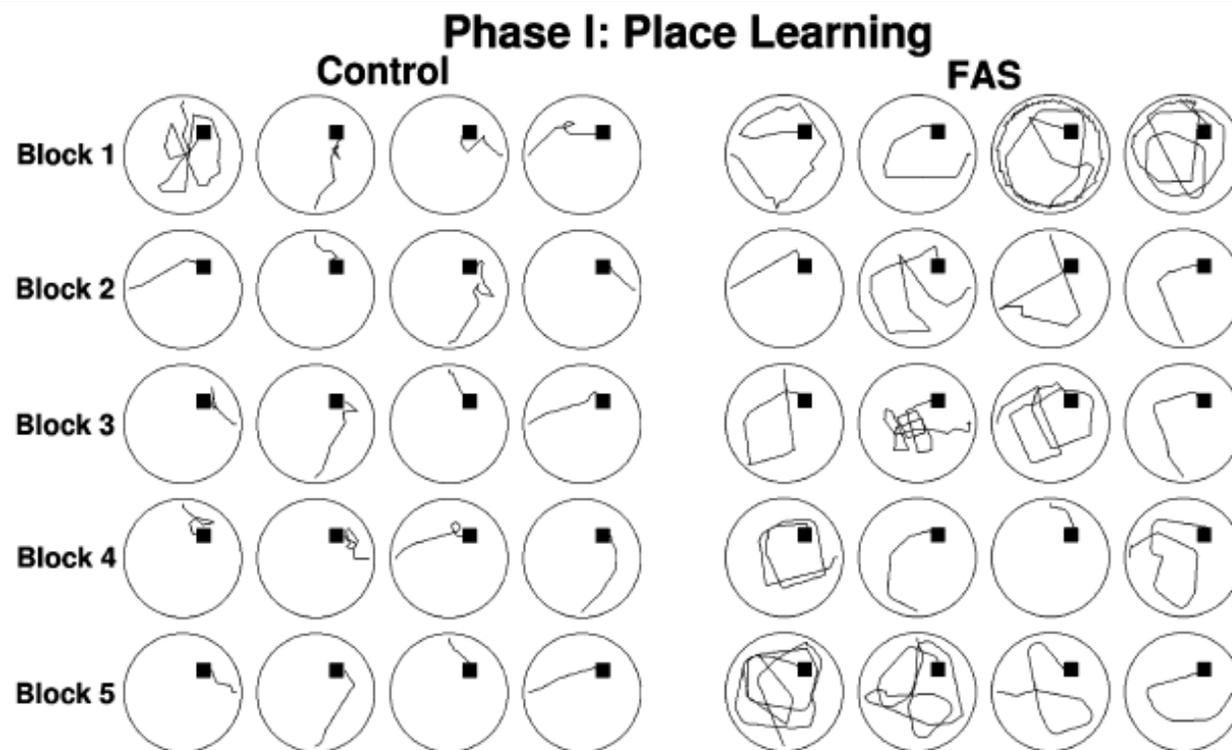
	FAS	Def.	Control	p
Lang. Comp.*	3.2	3.5	4.9	.009
Non-verbal IQ**	51.8	58.2	72.3	.005
Behavior ***	5.3	11.7	3.9	.001
Tot. dys. Score	14.5	10.4	3.3	.001
Maternal variables				
Mean drks. Wk.	16.2	7.5	1.5	.006
Mean drks. Day	2.6	1.5	0.8	.012

*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
---------------	-----------	-------------	-------------

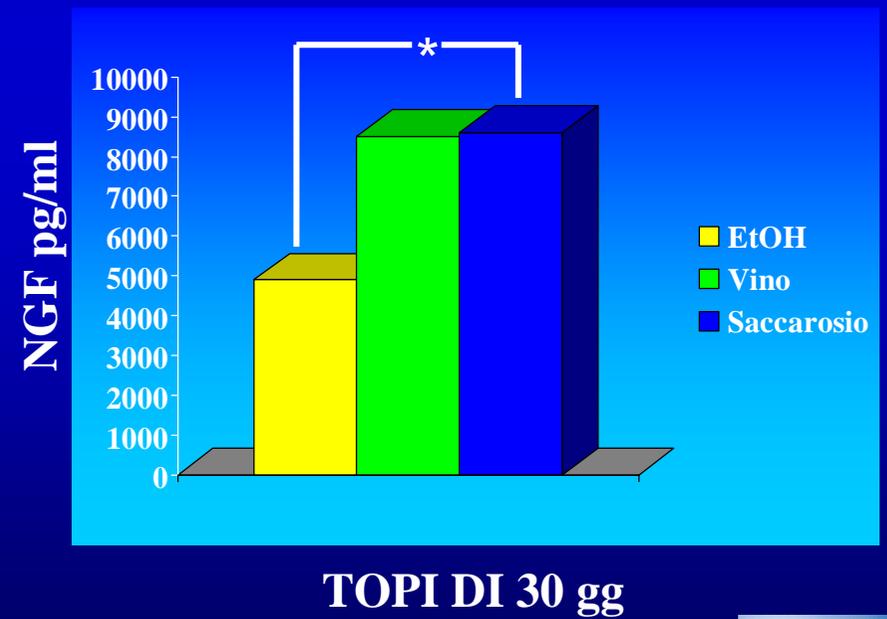
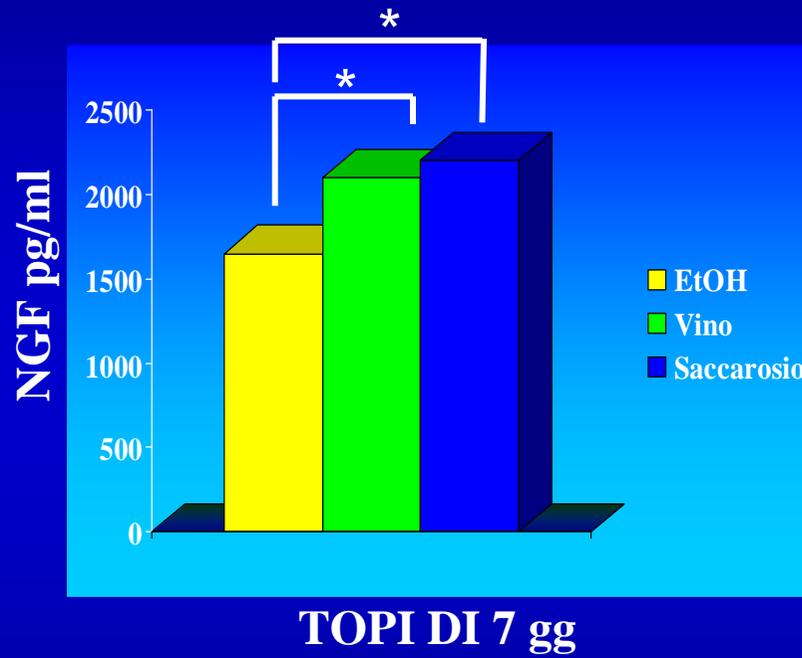
* n=976

** N=1988





NGF IPPOCAMPO



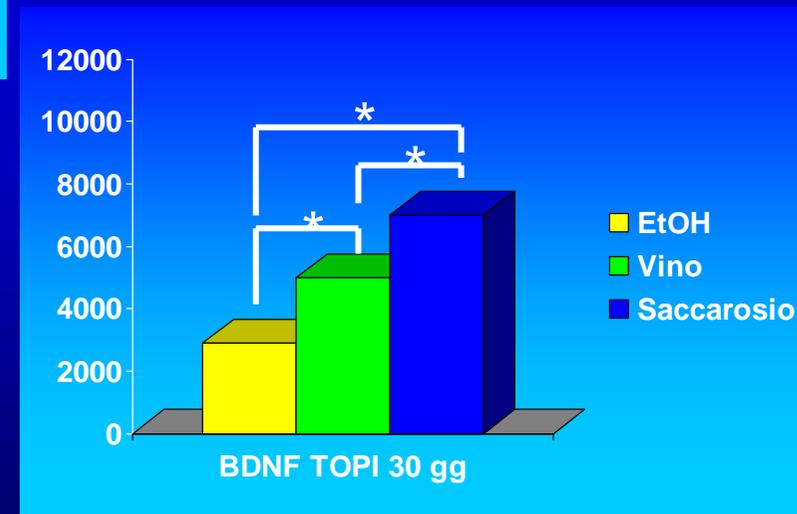
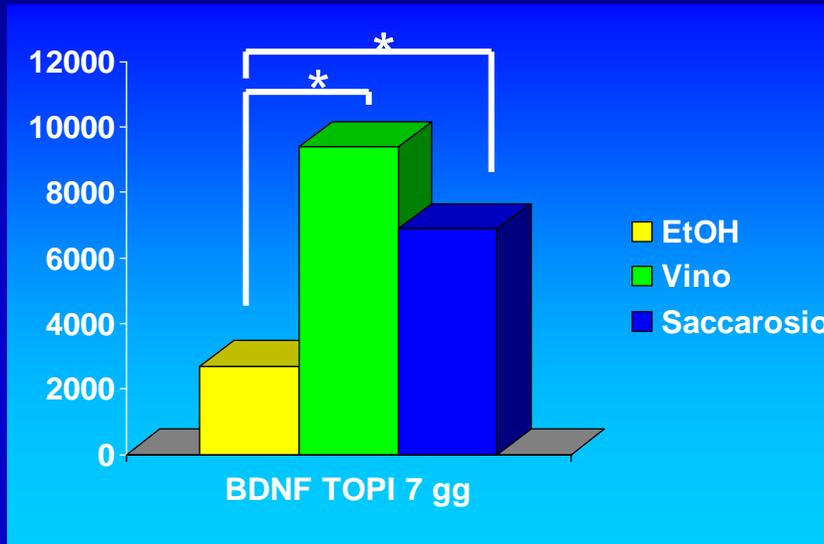
Ceccanti et al. 2008, in press

Centro di Riferimento Alcolico
della Regione Lazio





BDNF IPPOCAMPO



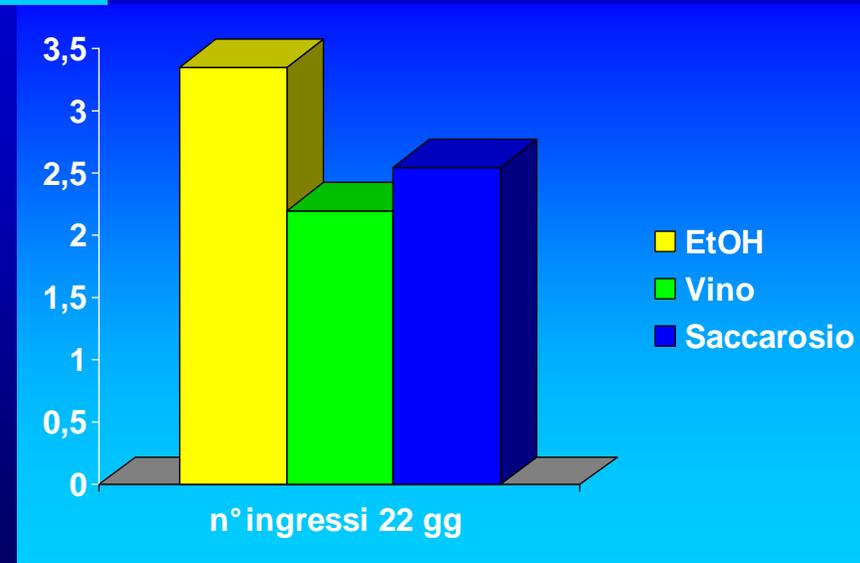
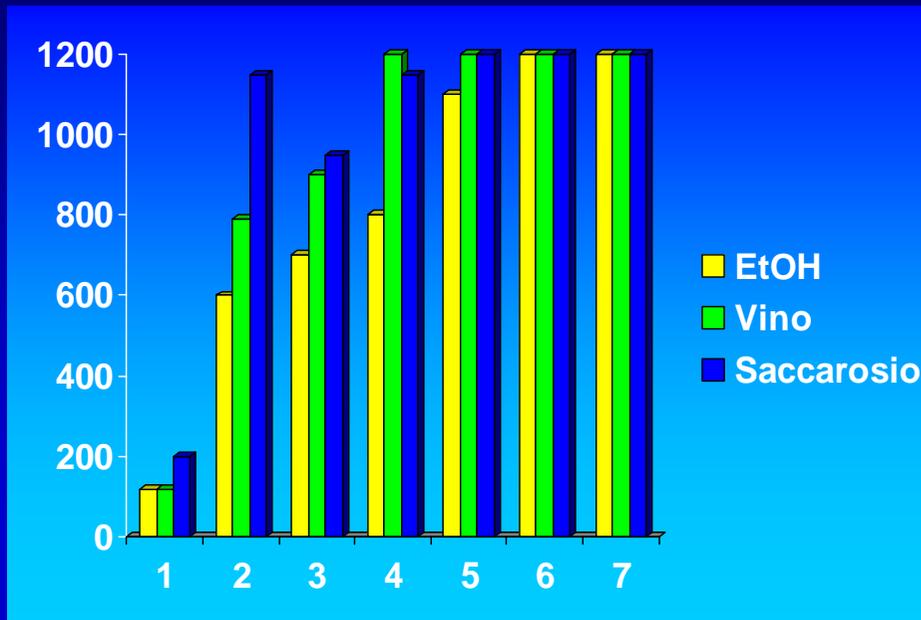
Fiore M., Ceccanti M. et al. 2008, in press

Centro di Riferimento Alcolico
della Regione Lazio





PASSIVE AVOIDANCE TEST



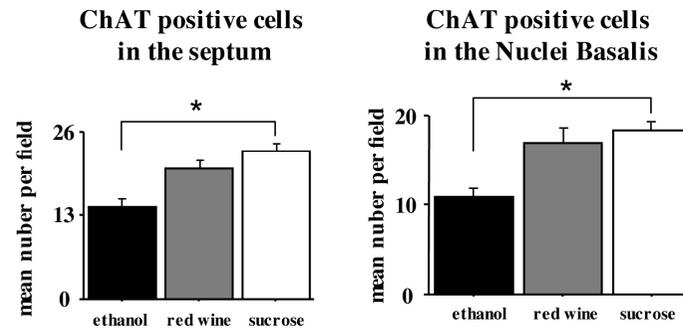
Fiore M., Ceccanti M. et al. 2008, in press

Centro di Riferimento Alcolologico
della Regione Lazio

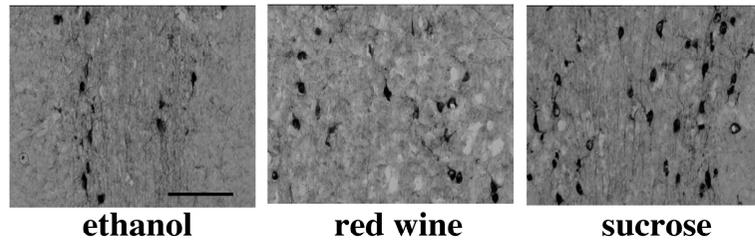




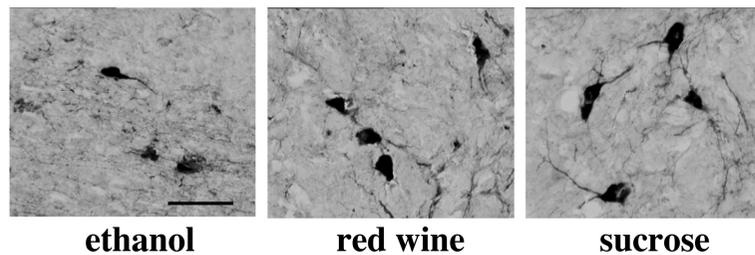
CELLULE CHAT POSITIVE



ChAT positive cells in the septum

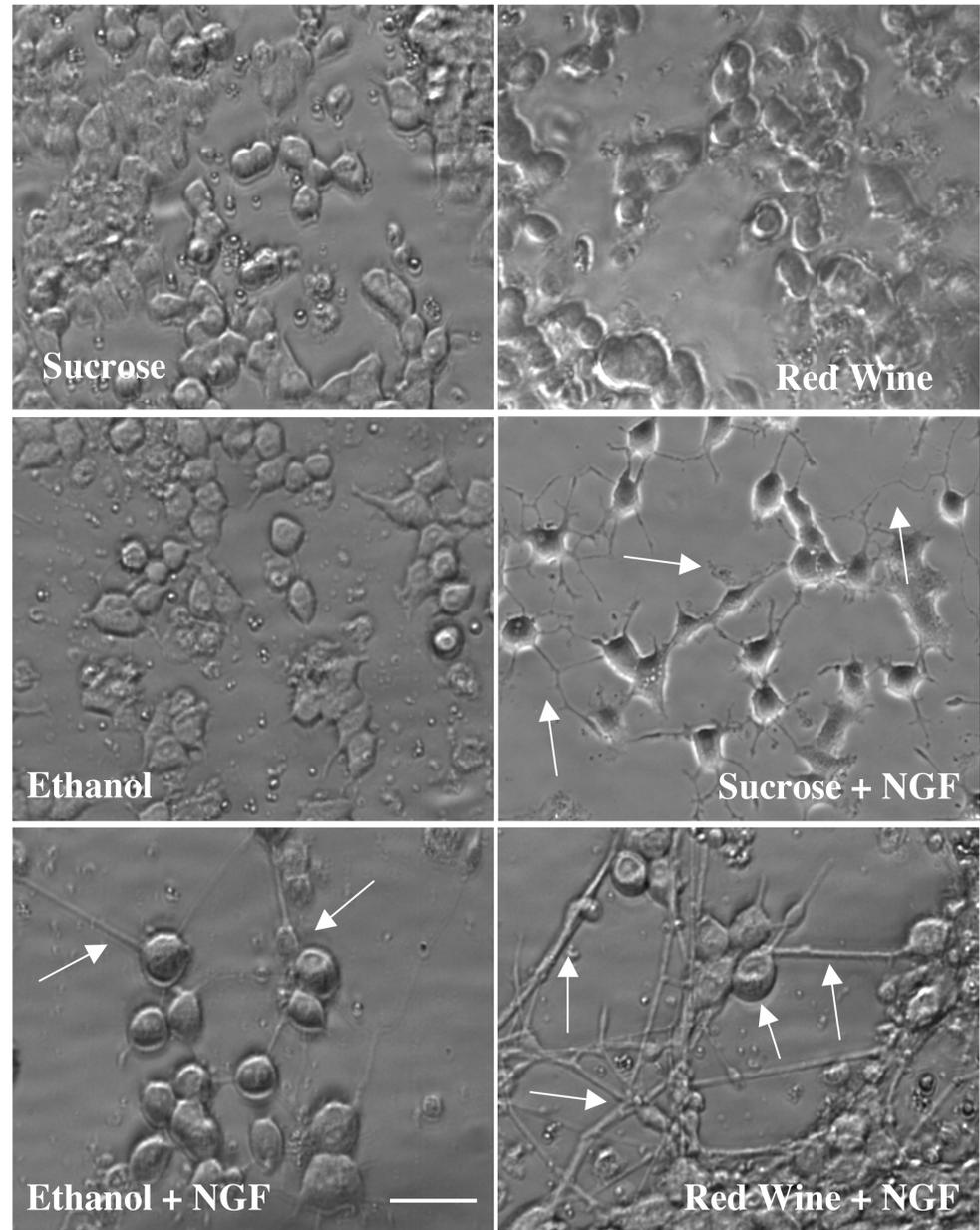


ChAT positive cells in the Nuclei Basalis





GNF e cellule PC-12 del Feocromocitoma





RINGRAZIAMENTI

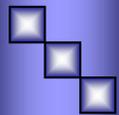
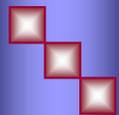
SPONSOR

NIH-NIAAA
FASD
CONSORTIUM
CASAA
(New Mexico)
REGIONE LAZIO

CONTRIBUTO SCIENTIFICO UNIVERSITÀ DI:

BARCELONA
CAPE TOWN
NEW MEXICO
BUFFALO
STANFORD
TEXAS
LOS ANGELES
ISS – ROMA
INMM-CNR - ROMA
LA SAPIENZA - ROMA





**Centro di Riferimento Alcolico
della Regione Lazio**

