



## Marijuana - Cannabis - Droga

## History

- 1937- Marijuana Tax Act: Cannabis becomes illegal in USA and in the world after being used for 38 million years by humans as a therapy, to enjoy and to pray (Harry Anslinger)
- Before prohibition 1% of population have been using Marijuana, today 50% (12-35) has used it at least once
- In USA and in the world Cannabis has engaged its own revenge
- Too much has been said without proper background knowledge and too much prejudgement
  Gianluigi Gessa – Professore Emerito Università di Cagliari













Methods: We measured the levels of both AEA and the other endocannabinoid, 2-arachidonoylglycerol (2-AG), in the CSF of drug-naive patients with TLE.

unclear.

KEY WORDS: Endocannabinoids, Anandamide, 2-Arachi donoylglycerol, Temporal lobe epilepsy.







CBD and CBDV	pharmacology
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CBD	CBDV		
5HT <sub>1A</sub> agonist (PMID 16258853)	TRPV1 agonism (PMID 25029033)		
GPR55 antagonist (PMID 17876302)	DAGL-alpha inhibition (PMID 21175579)		
Adenosine reuptake inhibition (PMID	Pig. 1 For chart showing the properties of clifform shockafe wrgms for examplation classes		

## **Drug-Drug Interactions?**

VGSC blockade (PMID 24642454)

mTOR inhibition (PMID: 26283212)

CB1 negative allosteric modulator (PMID: 26218440)

- Caveats:
  - All are *in vitro* and have not been definitively linked to functional effects in whole animals/humans.
  - Often employ physiologically irrelevant (high  $\mu\text{M/mM}$  ) concentrations









Varietà'	contenuto THC	contenuto CBD		
Bedrocan	~ 19%	<1%	R. 73	The second secon
Bedrobinol	~ 12%	<1%	State to	A State of the state of the
Bediol	~ 6%	~ 7,5%		中的现在不是在自己的
aese importazione	Olanda			
ndicazioni	- nausea chemiota	e vomito erapia in paz	associato ienti che no	a n
	- sindrome di Gilles de La Tourette			
	- glaucoma resistente alla terapia			
	- sindrom	i correlate a perdi	ta di peso (es.	CANADIS FLOS
	cachessi	a in AIDS)		Sing and





HOME > SHOP			
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CBD Dried Flowers	1	KANALIFE	ANALITE
CBD Dab/Wax	-	-	
Go CBD Cristolli	example of	CBD Capsule 600mg - 30 pezzi € 90.00	CBD Capsule 300mg - 30 pezzi € 60.00
CBD Capsule	HEMP OF		
CBD Hemp Oil	CBD Hemp Oil 2% (300mg) in 15ml € 40,00		
ACQUISTA	ACQUISTA	ACG	DUISTA



## Conclusioni

- I cannabinoidi sono una nuovo pianeta da scoprire
- Ulteriori studi sono necessari per determinare l'esatto meccanismo d'azione di queste molecole
- Non tutto è sistema endocannabinoide ... abbandonato?
- Il CBD ha risultati positivi in RCTs per Dravet e LGS
  - Conferma definitiva in giugno da FDA
  - Approvazione Europa
- Determinare lo spettro d'azione
- Aumentare le conoscenze sull'efficacia e la tollerabilità di CBD
- CBDV..... Altri in futuro

