

THE BENEFITS OF AGONISTS TREATMENTS UNDER SUSPICION

**“ Need of a more comprehensive theory in
order to clarify concepts ”**

TSH Congress Biarritz 14 October 2009

**Miguel Casas
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Universidad Autónoma de Barcelona**

AGONISTS

- Metadone
- Heroín
- Amphetamines
- Cocaína
- Nicotin
- Cannabis, etc.

MAINTENANCE PROGRAMS

- **Codein**
- **Metadone**
- **L - Metadone**
- **Buprenorfin**
- **Heroin**
- **Morphin**
- **Nicotine**

MAINTENANCE PROGRAMS

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AIDS EVOLUTION and AGONISTS MAINTENANCE PROGRAMS

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- **AIDS without control**

AIDS EVOLUTION and AGONISTS MAINTENANCE PROGRAMS

- **AIDS without control**
- **AIDS as a severe chronic disease**

AIDS EVOLUTION and AGONISTS MAINTENANCE PROGRAMS

- **AIDS without control**
- **AIDS as a severe chronic disease**
- **AIDS as a simple viruses.**

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ADDICTION THEORIES

- **Decision theory**
- **Theory of planned behaviour**
- **Learning theory**
- **Social learning theory**
- **Social cognitive theory**
- **Health Belief theory**
- **etc.**

(Robert West, 2009)

SELF - MEDICATION HYPOTHESIS



Edward J. KHANTZIAN

A Manual of The Harvard Cocaine Recovery Project

ADDICTION *and*
the **VULNERABLE**

SELF

MODIFIED

DYNAMIC

GROUP

THERAPY FOR

SUBSTANCE

ABUSERS

EDWARD J. KHANTZIAN

KURT S. HALLIDAY

WILLIAM E. MCAULIFFE

New York: The Guilford Press, 1990

NEUROSCIENCES

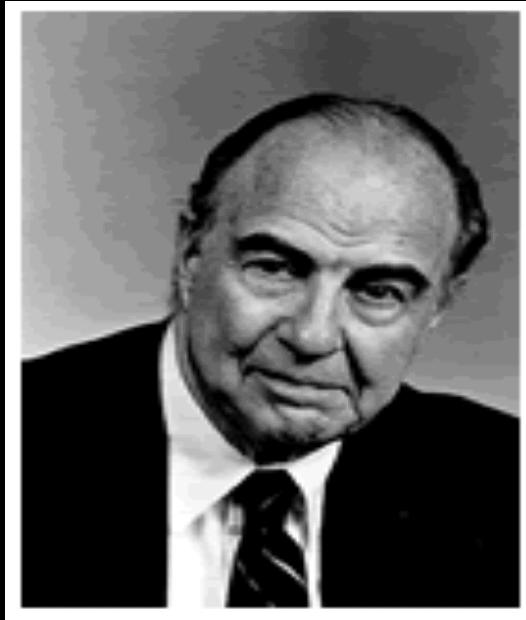


FACTORS THAT PROMOTES SELF - MEDICATION

- Disregulation of diverse neurotransmitter – neuromodulator systems at the CNS.
- Previous mental illness.
- CNS vulnerability to drugs in normal people.



**Marie
NYSWANDER**



**Vicent
DOLE**



**Mary Jeanne
KREEK**

Original Articles

Narcotic Blockade

VINCENT P. DOLE, MD; MARIE E. NYSWANDER, MD; AND
MARY JEANNE KREEK, MD, NEW YORK

HEROIN, as used by addicts, produces quite different effects than are seen with use of narcotic drugs in ordinary medical practice. Addicts inject themselves repeatedly with larger doses of a narcotic than are of addicts to become normal members of society. In practice, this approach has consistently failed as a treatment for chronic addiction to heroin. It has not failed because of lack of effort or facilities; devoted and

Arch Intern Med—Vol 118, Oct 1966

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NARCOTIC BLOCADE

Heroin (opiate) addiction is a disease
– a “**metabolic disease**” – of the brain with resultant behaviors of “drug hunger” and drug self-administration, despite negative consequences to self and others. Heroin addiction is not simply a criminal behavior or due alone to antisocial personality or some other personality disorder.

Dole, Nyswender and Kreek, 1966

FACTORS THAT PROMOTES SELF - MEDICATION

- **Disregulation of diverse neurotransmitter – neuromodulator systems at the CNS.**

DA SYSTEM

Corpus estriatum:

- *N. accumbens*
- *N. caudado*
- *Putamen*

Mesencephal:

- *Area tegmental anteroventral*
- *Sustancia negra*

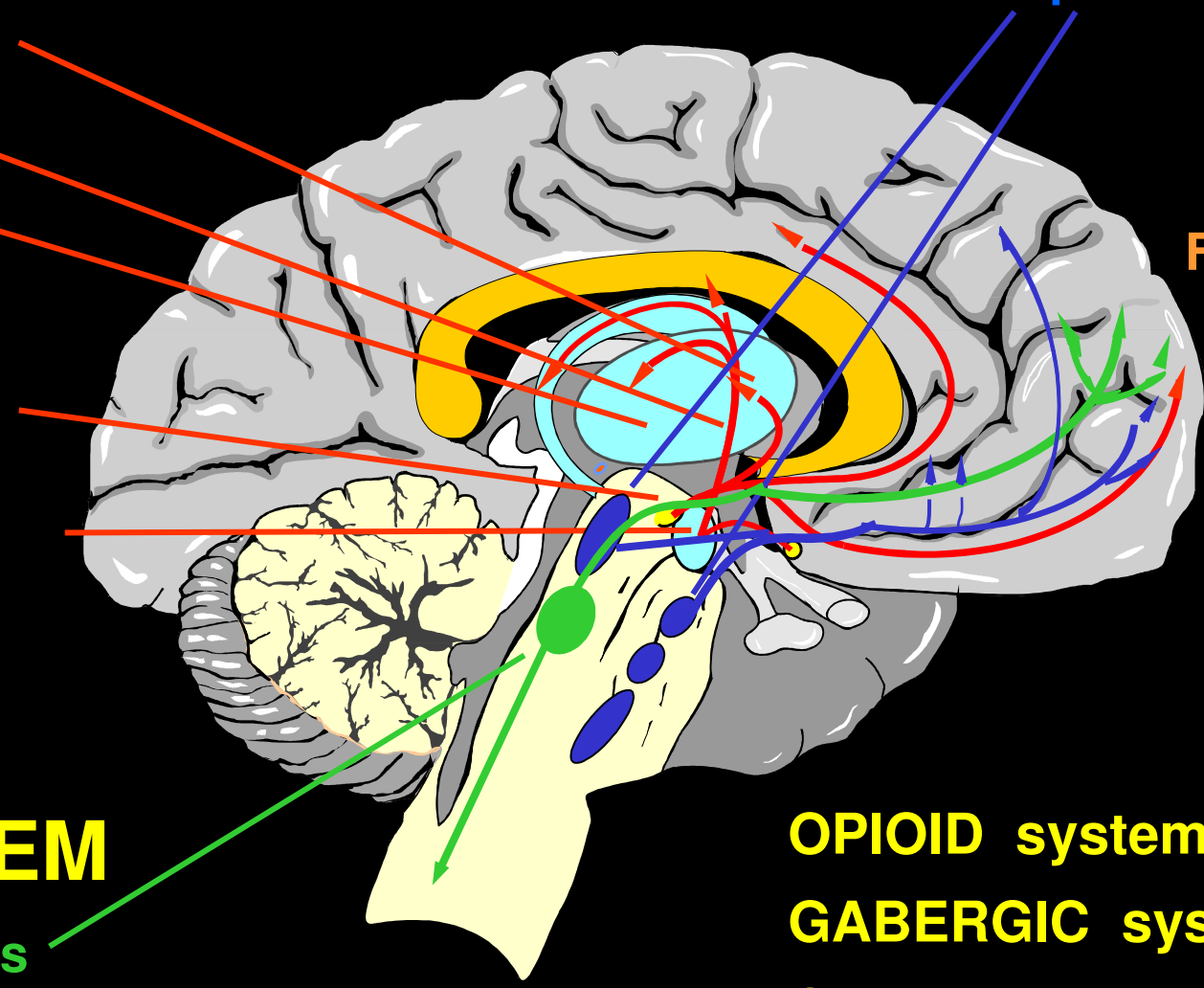
NA SYSTEM

Locus coeruleus

5-HT SYSTEM

Raphe nucleus

Frontal Cortex



OPIOID system

GABERGIC system

GLUTAMATE system

ENDOCANNABIC system

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DUAL DIAGNOSIS

PSYCHOSIS

AFFECTIVE DIS.

PERSONALITY DIS.

IMPULSIVE C. DIS.

ANXIETY DIS.

SOMATORFORM DIS.

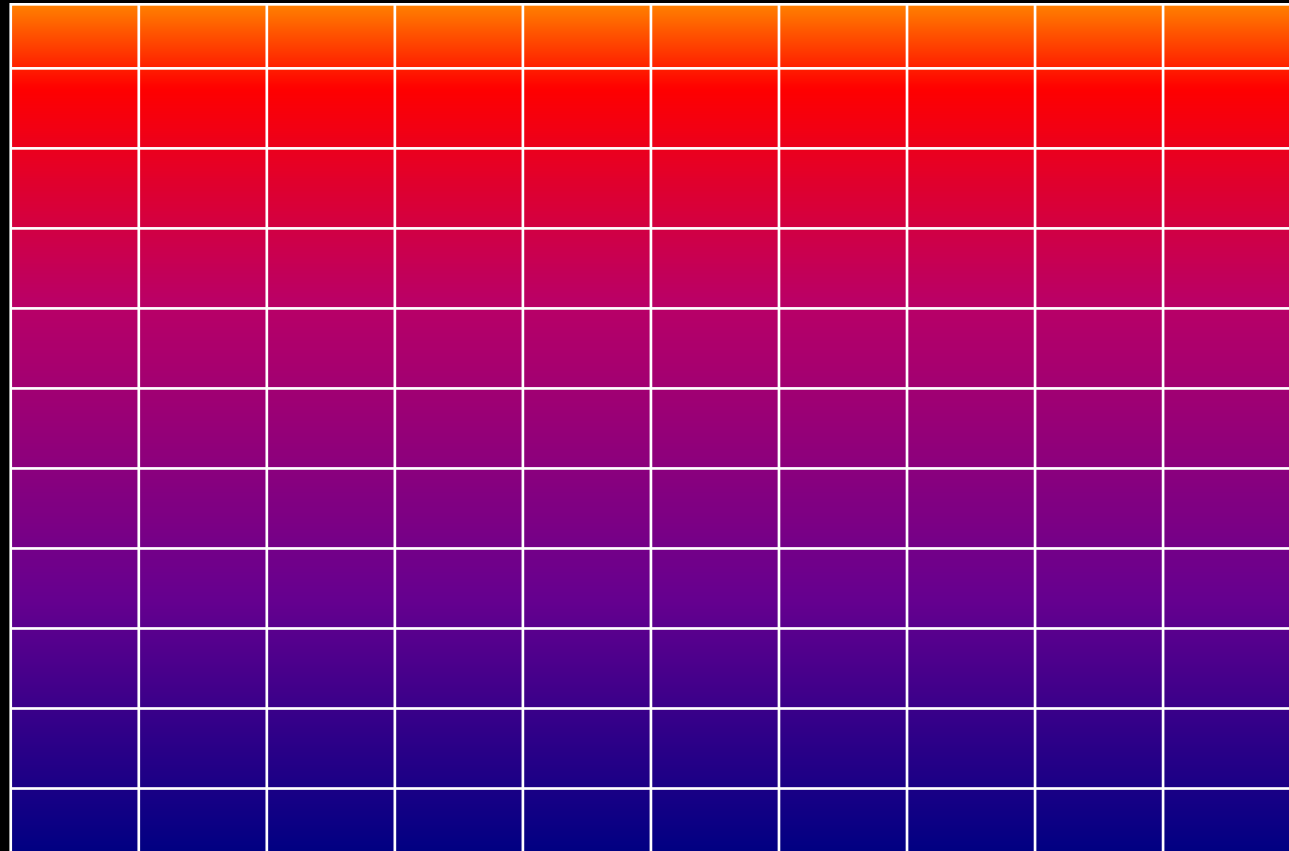
FACTITIOUS DIS.

DISSOCIATIVE DIS.

SEXUAL DISORDER

EATING DISORDER

ADJUSTMENT DIS.



ALCOHOL

OPIATES

COCAINE

ANPHETAMINES

HALLUCINOGENS

NICOTINE

XANTHINES

CANNABIS

INHALANTS

MISCELANEA

SELF – MEDICATION HYPOTHESIS

“ DRUGS AS PSYCHOPHARMACS “

- **Psychiatric symptoms improvement**
- **Decrease of side effects**
- **Increase of quality of life**

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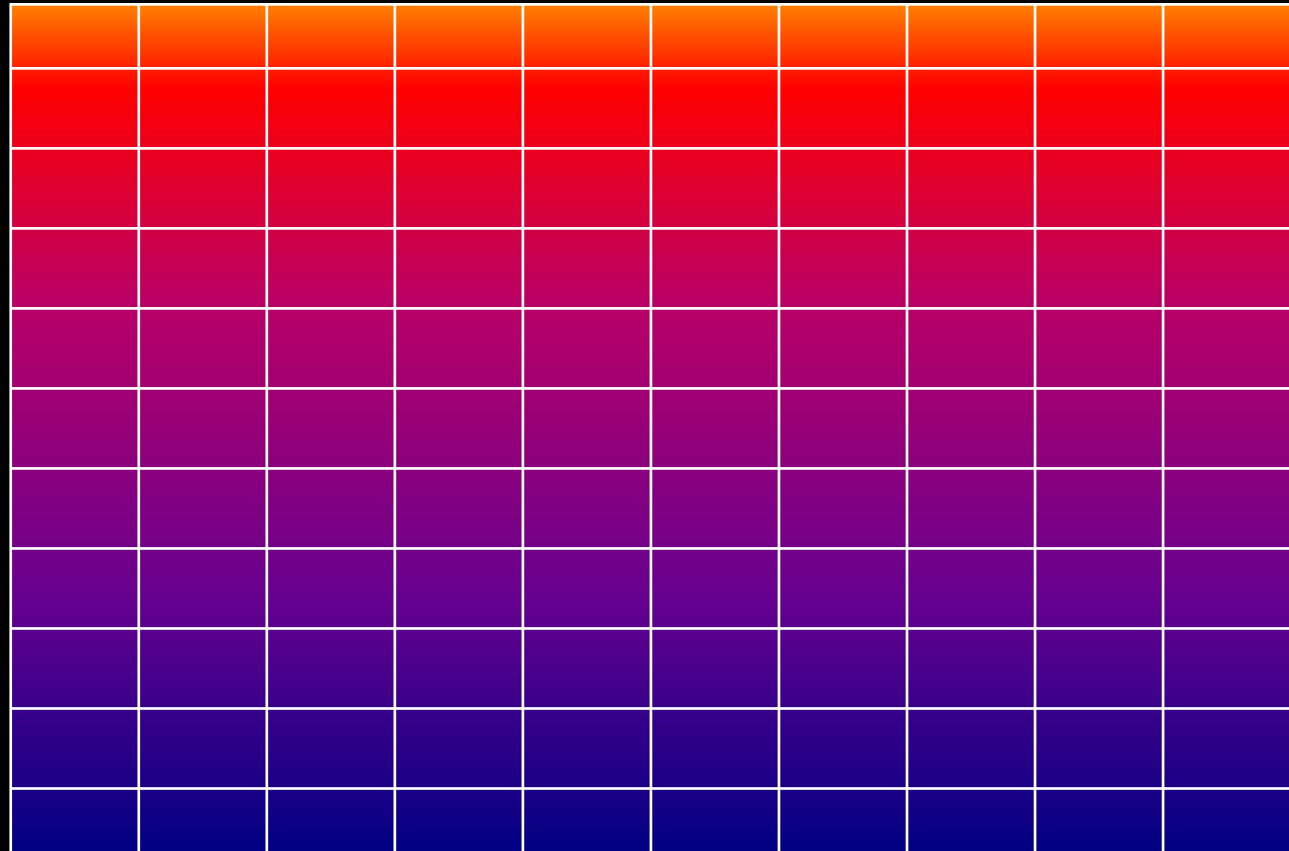
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MISCELANEA

AUTOMEDICACION Y PSICOPATOLOGÍA

- **TRASTORNOS PSICÓTICOS**

- Fase aguda
- Proceso de cronificación
- Síndrome de Asperger

- **TRASTORNOS BIPOLARES**

- **TRASTORNOS DEPRESIVOS**

- **TRASTORNOS DE ANSIEDAD**

AUTOMEDICACION Y PSICOPATOLOGÍA

- **PACIENTES “BORDERLINE”**
- **CONDUCTAS AUTO Y HETEROAGRESIVAS**
- **TRASTORNOS POR DÉFICIT DE ATENCIÓN**
- **ALEXITIMIA**
- **FATIGA CRÓNICA**
- **etc.**

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SELF - MEDICATION HYPOTHESIS

Professionals in favor

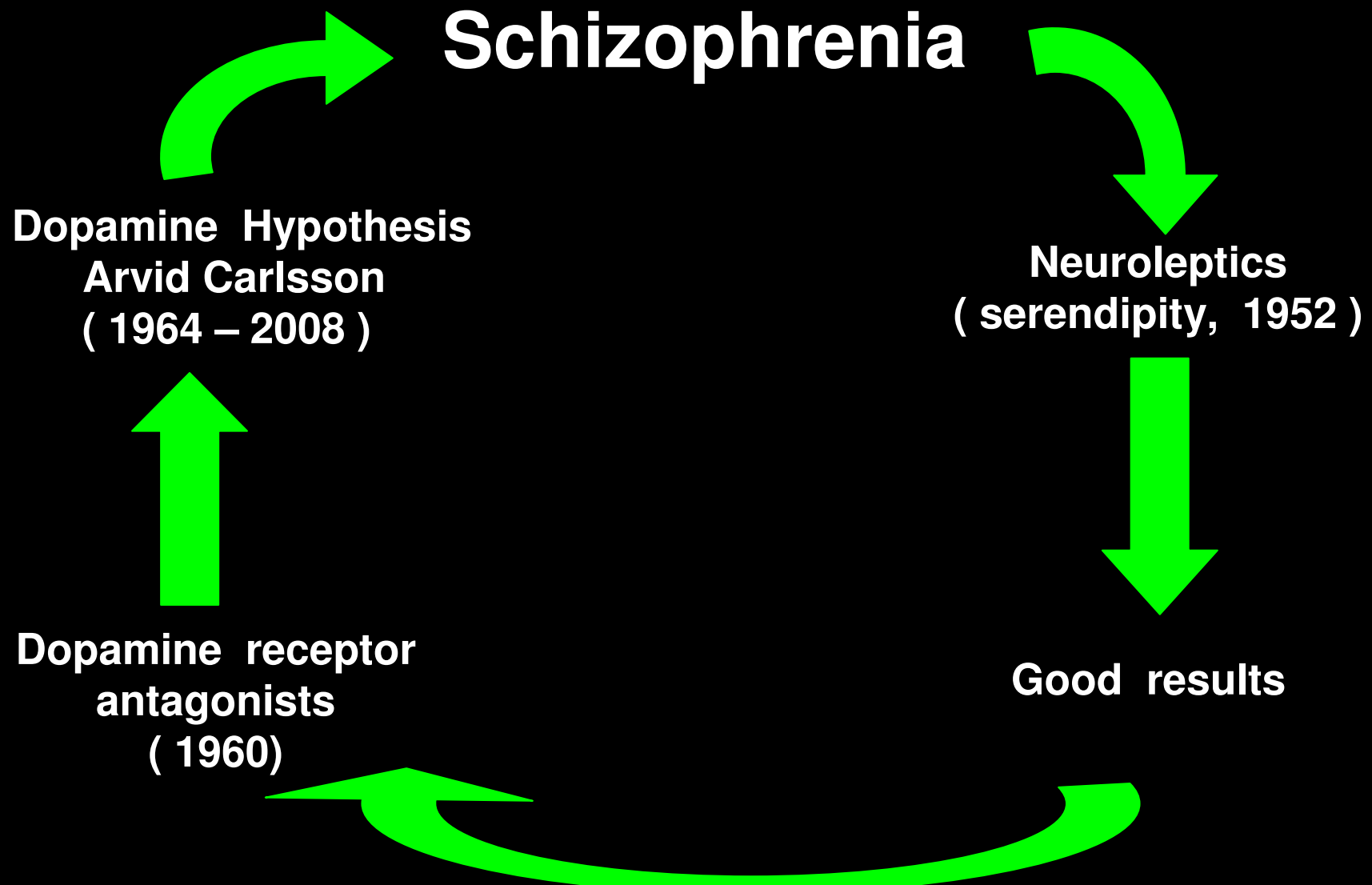
Professionals against

SELF- MEDICATION

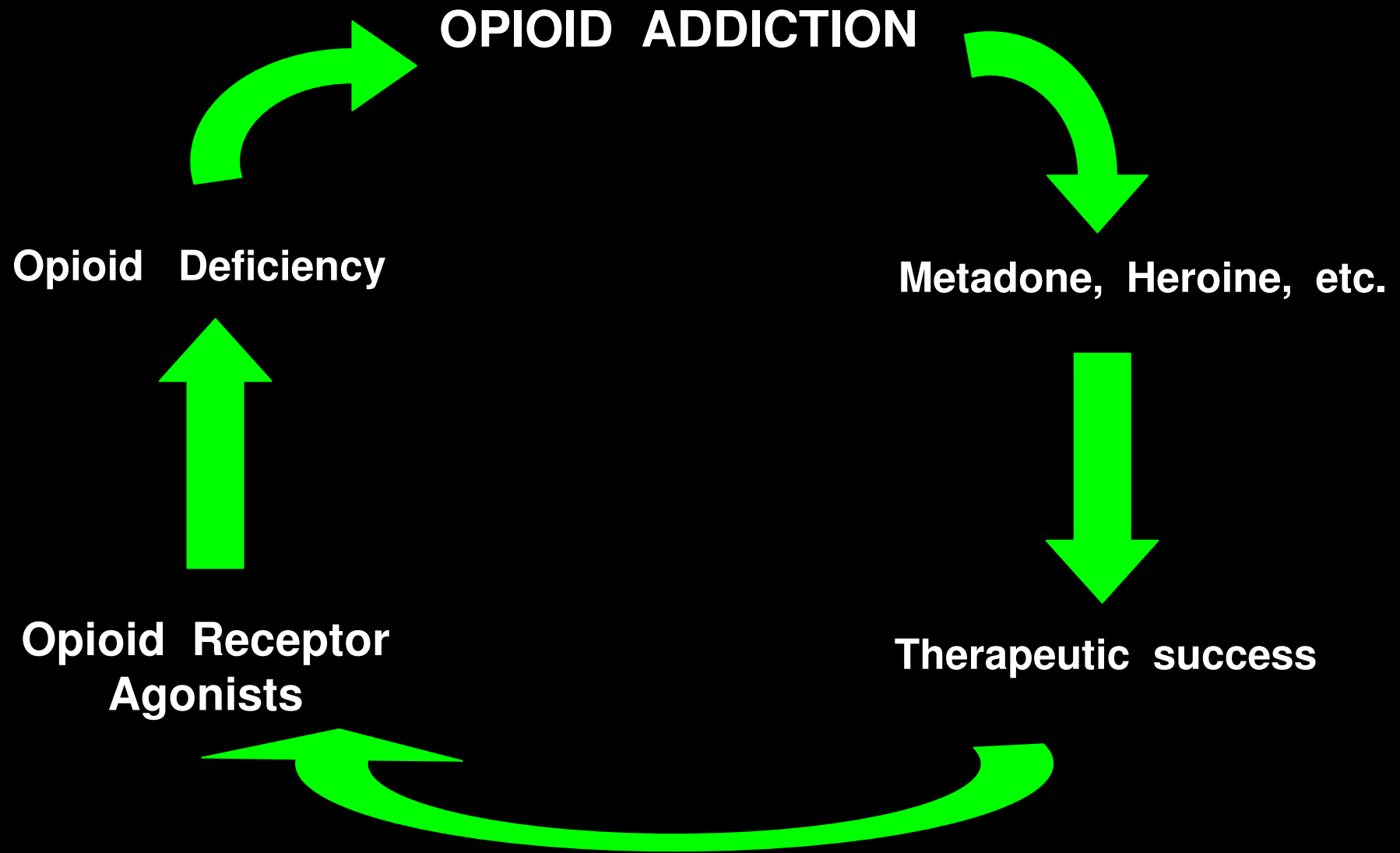
Against

- The hypothesis has not been yet proved.
- To much medicalization.
- To much neurobiological determinism.
- The hypothesis promotes liberalization.

ETIOPATOGENIC HYPOTHESIS



HIPOTESIS ETIOPATOGENICAS



SELF- MEDICATION

Against

- The hypothesis has not been yet proved.
- To much medicalization.
- To much neurobiological determinism.
- The hypothesis promotes liberalization.

BIOETHICS IN ADICTIONS

- Liberalization
- Legalization in pharmacies
- Prohibición

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PROGRAMAS DE MANTENIMIENTO

- **PM con metadona**
- **PM con heroína**
- **PM con anfetaminas**
- **PM con cocaína**
- **PM con nicotina**
- **PM con cannabis, etc.**

ARTICULOS AUTOMEDICACIÓN

EVOLUCIÓN EN TÉRMINOS ABSOLUTOS

