Cannabis and Psychosis: Transition to Psychosis

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Cannabis and Psychosis: Transition to Psychosis
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Abstract: Abbreviated: Trajectory

Gene Environment Interaction

Biological Unmasking
Environmental Unmasking
Psychosocial Unmasking

Life style factors
Risk factors
Essential etiological factors

Genotype
Behavioral traits-correlates
Brain vulnerability

Genome
Brain maturation
CB receptor
Cannabinoids

• Biological
• Endophenotype

• Brain
Maturation

• PFC
Amygdala

• CB Receptor
Cannabis

• Dopamine
Serotonin

• Cognitive
dyscontrol

• Dopamine
5 HT

Clinical Syndromes

Behavioral Changes

Pre-adolescence period
Adolescence
Post adolescence

A hypothetical Model for neurobiological Pathway for psychosis in Cannabis abusers

Possible trajectory of Cannabis and related Psychosis

ARMS – At risk mental state, THC – Tetrahydrocannabinol, PFC – Prefrontal cortex, COMT – Catechol-o-methyl transferase, 1 and 2- different levels biological events