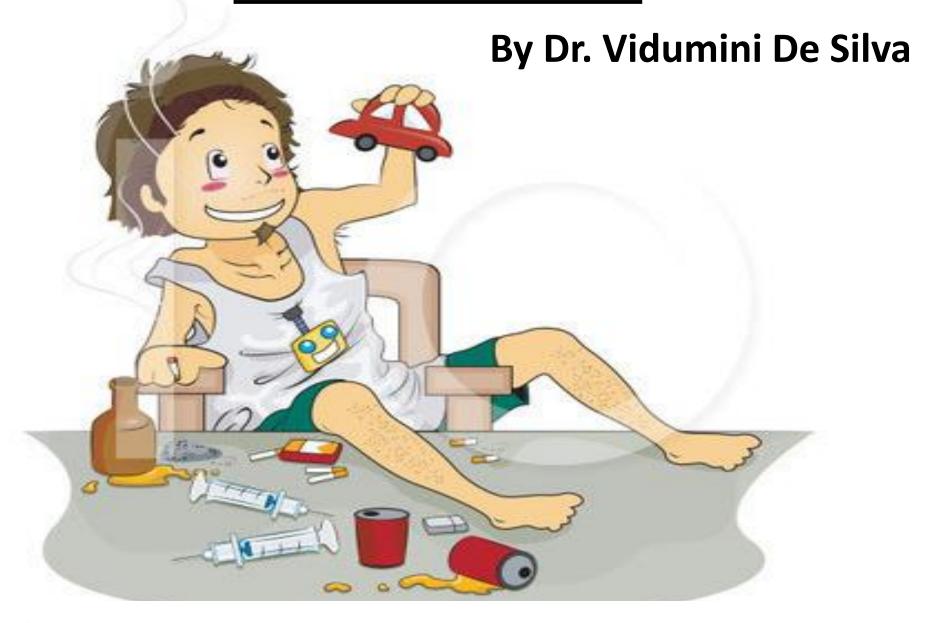
Substance Abuse



Terminology

- 1. Substance Abuse
- 2. Dependence (Addiction)
- 3. Tolerance
- 4. Intoxication

1. What is a "Substance"?

Drugs of abuse are any chemical agents (natural or artificial) that affect the mind and are known to be used in an abusive manner.

- ✓ Alcohol
- ✓ Illegal street drugs (cannabis, cocaine or amphetamine)
- ✓ Addictive prescription drugs (like tramadol, pethidine)
- ✓ Over the counter drugs (like corex D or even mouthwash)
- ✓ Other mind altering substances (like glue, UHU, opioids)

Substance Abuse

 Use of substances is causing problems in life (failure to fulfill major role obligations at work, school, or home)

 If diagnosed with substance abuse is <u>not</u> considered to be addicted or dependent (otherwise the diagnosis would be substance dependence)

2. Substance Dependence

Certain changes in the way the person relates to the substance. Shows all the signs of abuse plus some additional problems.



Dependency features

- ✓ Withdrawal signs when not using
- ✓ lacking the control of the onset, amount and termination of the substance usage.
- ✓ Devotes a lot of time and energy to getting and using
- ✓ Needs more and more to get the same effect (tolerance)
- ✓ Gives up things that used to be important in order to use
- ✓ Compulsions or cravings to keep using



"Just a small glass for me."

3. Tolerance

Needs more and more of the drug to get the same effect as before.

E.g.: initially one glass of liquor to get the buzz, later needs 6-7 glasses to get the same buzz.

4. Intoxication

Transient syndrome

due to recent substance ingestion which produces

physical or

psychological impairment

<u>Withdrawal</u>

Symptoms and signs specific for specific drug abused.

Impairment in social, occupational etc

Risk factors

- 1. Biological
- Genetic
- Biochemical substance make them addicted

- 2. Psychological
- Developmental influences disturbance of sense of self, ego
- Personality pessimism, impulsivity

Socio-cultural

 socio-learning – children likely to use substances if parents do so

Conditioning – pleasurable effects ->positive reinforcement to use the substance

Culture and ethnicity

Mental illness – BAD, depression, schizophrenia, anxiety

ICD 10 Guidelines on Dependence

- (a) a strong desire
- (b) difficulties in controlling substance-taking
- (c) withdrawal state when substance use has ceased or been reduced.
- (d) tolerance.
- (e) progressive neglect of alternative pleasures or interests
- (f) persisting with substance use despite clear evidence harmful consequences.

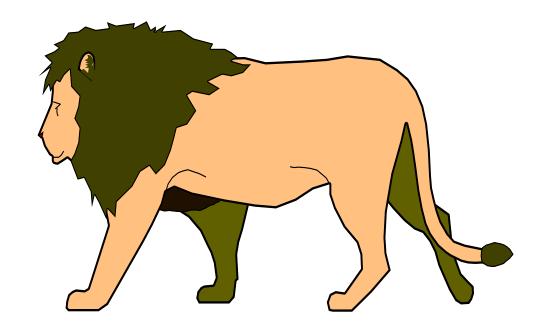
Any of 3 or more present sometime during the last 12 month period

Characteristics of Dependence

- ✓ Chronic
- ✓ Primary
- ✓ Progressive
- ✓ Relapsing

Alcohol

Is there a lion in you?



Spectrum of alcohol use /abuse

- 1. Social drinker
- 2. Heavy drinker
- 3. Binge drinker
- 4. Alcohol abuser
- 5. Dependent or addicted drinker

Social drinker

Occasional drinker

Regular but moderate





Heavy drinker

regular and heavy drinker



Binge drinker

irregular and heavy drinker



Alcohol abuser

physical,
 psychological and
 social problems



Dependent or addicted drinker

tolerant

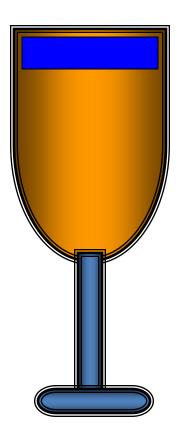
obvious physical,
 psychological and
 social problems



SAFE LEVELS

Males – 21 Units / week

Females – 14 Units / week



These are all equal to approximately one standard drink



Low alcohol beer (3.5%)

1.6 pairs total volume 375ml



Regular beer (4.9%)

1 por, 285ml



Table wine (12%)

I small glass, 100ml



Alcoholic soda (5.5%)

3/4 of a 330ml bottle



Mixed drinks

1 glass, 30 ml of spirits (40%) plus mixer



Spirits or liqueurs (40%)

1 mip. 30ml



Low alcohol beer (3.5%)

1 can, 375mil



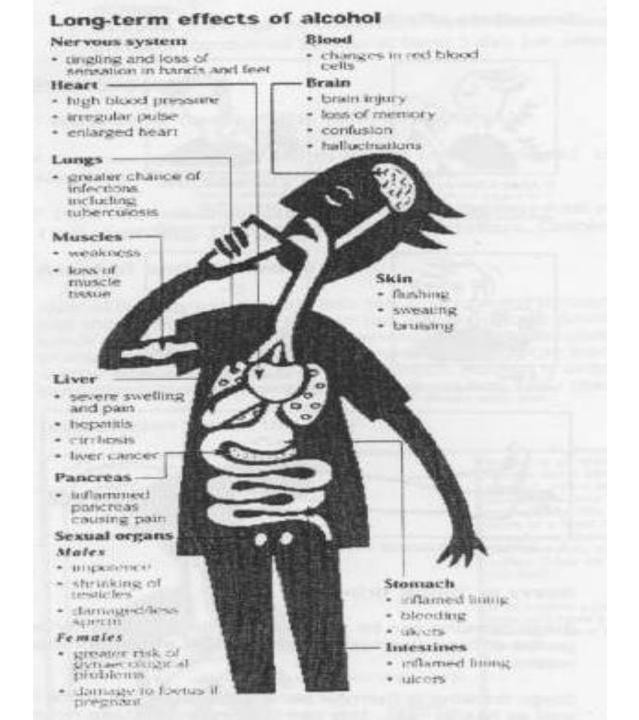
Regular beer (4.9%)

3/4 stubby. 375ml

Alcohol dependence

(3 or more needed for diagnosis)

- Tolerance
- Physiological withdrawal state
- Compulsion to drink
- Difficulty in controlling
- Neglect of alternative pleasures
- Persisting despite clear evidence of harmful effects

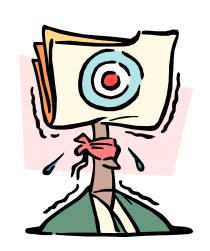


ALCOHOL WITHDRAWAL

- a) Tremulousness "the shakes"
- b) Agitation easily startled
- c) Nausea, retching & sweating



- e) Hallucinations
- f) Seizures (rum fits)
- g) <u>Delirium tremens</u>



Toxic / Nutritional conditions

Wernicke's encephalopathy

Korsakov's psychosis

Alcoholic dementia

WERNICKE'S ENCEPHALOPATHY

a. Memory defect

ACUTE SYNDROME

- b. Disorientation
- c. Impairment of consciousness
- d. Ataxia
- e. Ophthalmoplegia

Korsakov's Psychosis

CHRONIC SYNDROME

- a. Impairment of memory and learning
- b. Confabulation

OTHER PSYCHIATRIC DISORDERS

A. Personality deterioration

Self centredness
Responsibilities evaded
Decline in standards of conduct
Dishonest and deceitful

B. Mood disorders - depression

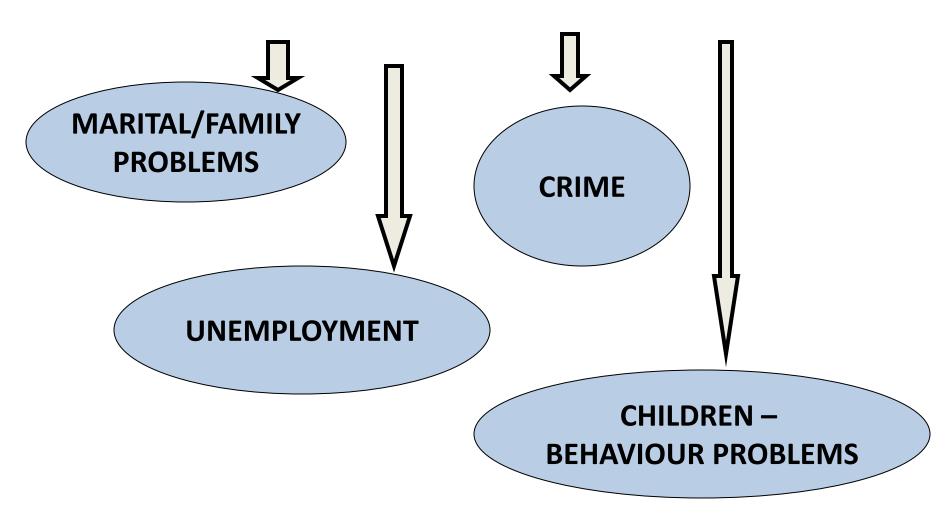
C. Suicidal behaviour

D. Impaired psychosexual function

Erectile impotence Delayed ejaculation

E. Morbid jealousy

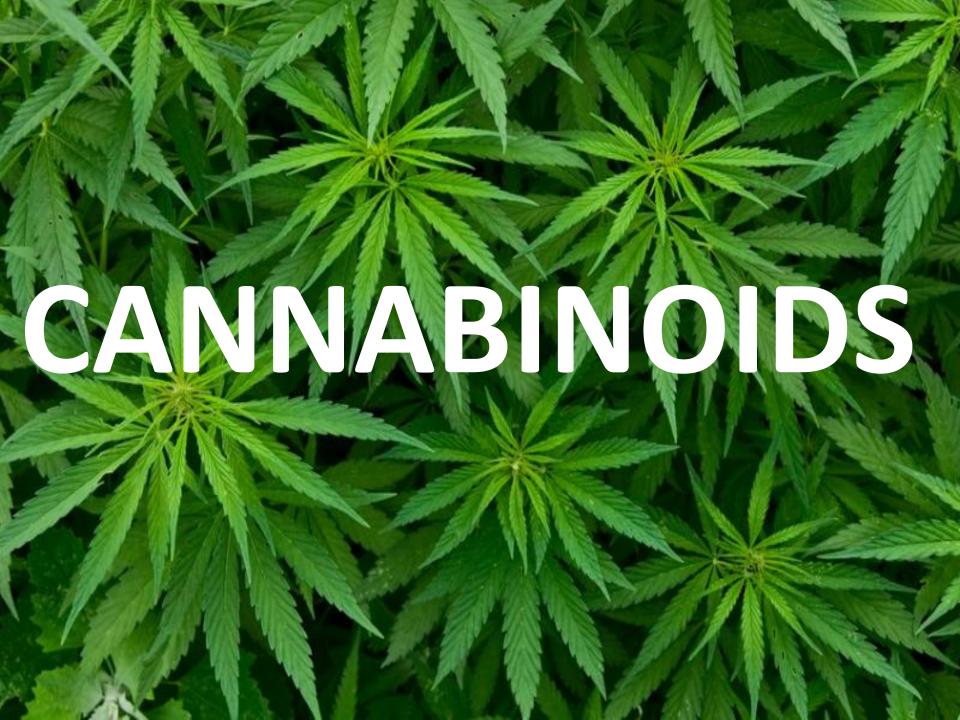
SOCIAL DAMAGE





A man





SYMPTOMS MARIJUANA USE

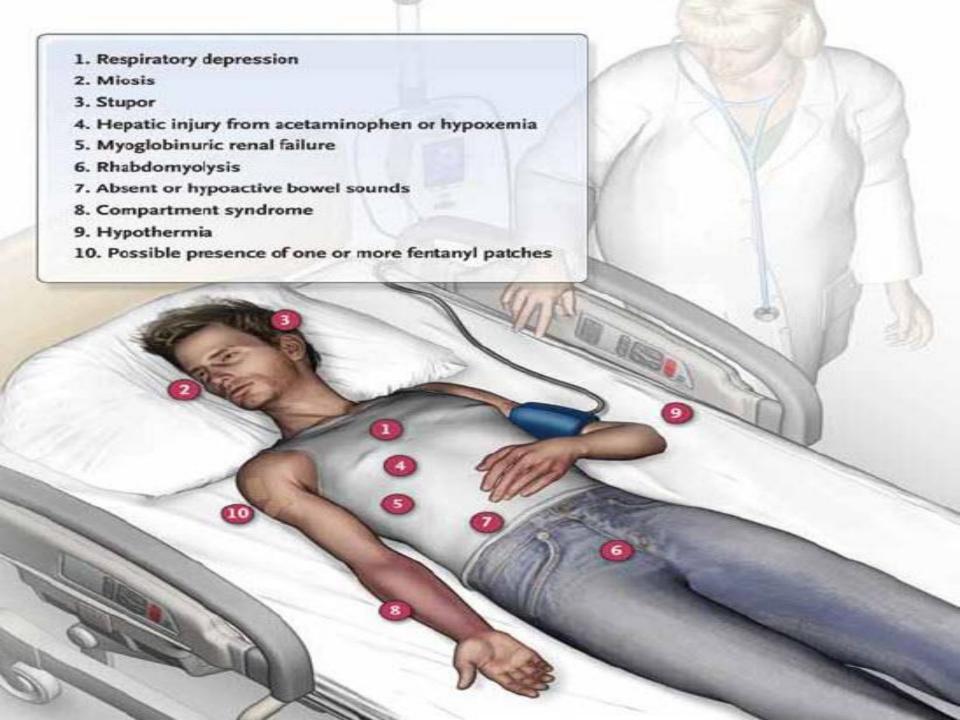
OVERALL SYMPTOMS

- Increased Agitation
- Paranoid Delusions
- Depression
- Hallucinations
- Exaggerated Thoughts of Suicide
- Feeling of Impending Doom
- Panic Attacks
- Heart Attacks

"Glazed" expression, red eyes **Psychosis** Inability to Speak Body Temperature Fluctuation, **Inability to Feel** Pain, Seizures Increased Blood Pressure and Heart Rate. **Heart Attack** Temporary Paralysis, Cramping Kidney Failure Vomiting

Many of these symptoms may be life threatening an may change suddenly.





MCQ session

Thank You