

**Substance Abuse  
&  
Hazard Recognition in the Home:**

**A Special Presentation to  
Sacramento County Social Services**



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**Depressants**

# OBJECTIVE SIGNS AND SYMPTOMS OF DEPRESSANT INFLUENCE

## EYES:

HGN            PRESENT  
VGN            MAY BE PRESENT  
STRABISMUS  
NORMAL / POSSIBLE DILATED PUPILS  
BLOODSHOT SCLERA  
POSSIBLE DROOPY EYE LIDS

## OTHER SIGNS:

FORGETFULNESS  
CONFUSION  
POSSIBLE DELIRIUM  
DISORIENTATION  
IMPAIRED DISTANCE/  
DEPTH PERCEPTION  
POSSIBLY VIOLENT

## PHYSICAL SIGNS:

SLOW RHOMBERG  
IMPAIRED DIVIDED ATTENTION

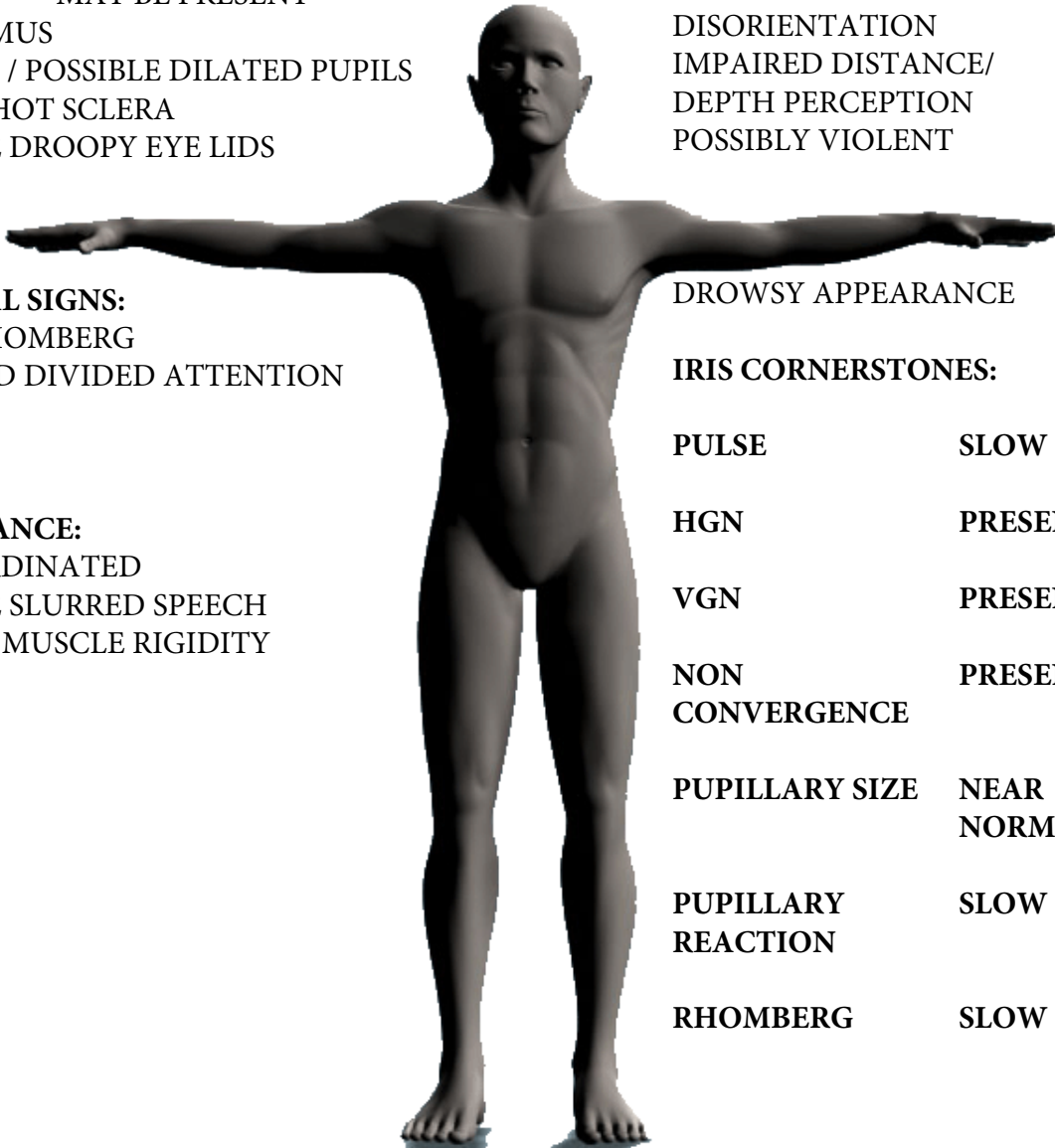
DROWSY APPEARANCE

## IRIS CORNERSTONES:

PULSE	SLOW
HGN	PRESENT
VGN	PRESENT
NON CONVERGENCE	PRESENT
PUPILLARY SIZE	NEAR NORMAL
PUPILLARY REACTION	SLOW
RHOMBERG	SLOW

## APPEARANCE:

UNCOORDINATED  
POSSIBLE SLURRED SPEECH  
LACK OF MUSCLE RIGIDITY





## **CNS DEPRESSANTS**

### **DEFINED:**

SUBSTANCES THAT DEPRESS THE  
CNS

### **PRIMARY TYPES:**

BARBITURATES  
NONBARBITURATES  
ANTIDEPRESSANTS  
ANTI-ANXIETY TRANQUILIZERS  
ANTI-PSYCHOTIC TRANQUILIZERS

### **CNS DEPRESSANT SYMPTOMATOLOGY:**

NO ALCOHOLIC BEVERAGE ODOR  
EUPHORIA  
SUICIDAL TENDENCIES  
CONFUSION  
ANXIETY  
RESTLESSNESS

### **WITHDRAWAL SYMPTOMS:**

HEADACHE	NAUSEA
VOMITING	ANXIOUSNESS
WEAKNESS	SLEEPLESSNESS
TREMORS	FEVER
WEIGHT LOSS	ABDOMINAL CRAMPS
HALLUCINATIONS	DEATH
TAGGERING GAIT	SLUGGISHNESS
DROWSINESS	DOUBLE VISION
DROOPY EYELIDS	SKIN RASH
DEPRESSION	
NARROWED ATTENTION SPAN	
EMOTIONAL INSTABILITY	
UNCOORDINATED MOVEMENTS	
SLURRED & INCOHERENT SPEECH	
IRRATIONAL BEHAVIOR	

## **MEDICAL USES FOR CNS DEPRESSANTS:**

SEDATION  
INSOMNIA  
SEDATION PRIOR TO SURGERY  
CONVULSIVE DISORDERS  
EPILEPTIC SEIZURES

### **ONSET AND EFFECT DURATIONS:**

THERE ARE FOUR PRIMARY  
CLASSIFICATIONS:

#### **ULTRASHORT:**

ONSET	SECONDS
DURATION	MINUTES

#### **SHORT:**

ONSET	10 TO 20 MINUTES
DURATION	4 TO 5 HOURS

#### **INTERMEDIATE:**

ONSET	20 TO 40 MINUTES
DURATION	6 TO 8 HOURS

#### **LONG:**

ONSET	1 HOUR
DURATION	8 TO 14 HOURS

### **BARBITURATES:**

DERIVATIVES OF BARBITURIC ACID

HIGH ABUSE POTENTIAL

<b>CHEMICAL</b>	<b>TRADE NAME</b>
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#### **ULTRA SHORT ACTING:**

THIOPENTAL SODIUM	PENTOTHAL, SODIUM PENTOTHAL
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#### **SHORT ACTING:**

PENTOBARBITAL	NEMBUTAL
SECOBARBITAL	SECONAL



**INTERMEDIATE ACTING:**

AMOBARBITAL	AMYTAL
BUTABARBITAL	BUTICAPS, BUTALAN, SARISOL

**LONG ACTING:**

METHARBITAL	GEMONIL
PHENOBARBITAL	LUMINAL

DESPRAMINE HCL	NORPRAMIN, PERTOFRANE
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DOXEPIN HCL	ADAPIN, SINEQUAN
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NORTRIPTYLINE HCL	AVENTYL, PAMELOR
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PROTRIPTYLINE HCL	VIVACTIL
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**OTHER:**

FLUOXETINE HCL	PROZAC
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**NONBARBITURATES:**

SIMILAR IN ACTION

DIFFERENT CHEMICAL

HIGH ABUSE POTENTIAL

<b>CHEMICAL</b>	<b>TRADE NAME</b>
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CHLORAL HYDRATE	NOCTEC
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ETHCHLORVYNOL	PLACIDYL
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GLUTETHIMIDE	DORIDEN
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METHYPRYLON	NOLUDAR
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METHCARBAMOL	ROBAXIN
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METHAQUALONE	QUAALUDE, SOPOR, PAREST
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**ANTIDEPRESSANTS:**

PSYCHIC ENERGIZERS

MOOD ELEVATORS

“ANTI” DEPRESSION

NOT COMMONLY ABUSED

<b>CHEMICAL</b>	<b>TRADE NAME</b>
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**MAO INHIBITORS:**

ISCARBOXAZID	MARPLAN
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PHENELZINE	NARDIL
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TRANLYCYPROMINE	PARNATE
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**TRICYCLIC:**

AMITRIPTYLINE HCL	ELVAL, ENDEP
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**ANTIANSXIETY TRANQUILIZERS:**

WIDELY ABUSED

COMMONLY MIXED WITH ALCOHOL

<b>CHEMICAL</b>	<b>TRADE NAME</b>
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**BENZODIAZEPINES:**

ALPROSOLAM	XANAX
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CHLORDIAZEPOXIDE	LIBRIUM
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DIAZEPAM	VALIUM
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LORAZEPAM	ATIVAN
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OXAZEPAM	SERAX
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PRAZEPAM	CENTRAX
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FLURAZEPAM	DALMANE
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TRIAZOLAM	HALCION
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TEMAZEPAM	RESTORIL
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FLUNITRAZEPAM	ROHYPNOL (ROOFIES, R-2)
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MEPROBAMATE	EQUANIL, MILTOWN, MEPRIAM, SEDABAMATE
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**ANTIPSYCHOTIC TRANQUILIZERS:**

NOT WIDELY USED

<b>CHEMICAL</b>	<b>TRADE NAME</b>
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LITHIUM

LITHIUM CARBONATE      ESKALITH,  
LITHANE

**BUTYROPHENONES:**

HALOPERIDOL      HALDOL

**PHENOTHIAZINES:**

CHLORPROMAZINE      THORZINE

FLUPHENAZINE HCL      PERMITIL,  
PROLIXIN

PERPHENAZINE      TRILAFON

PIPERAXETAZINE      QUIDE

PROCHLORPERAZINE      COMPAZINE

THIORADAZINE      MELLARILL

**RESERPATES:**

DESERPIDINE      HARMONYL

RESERPINE      SERPASIL

**GAMMA HYDROXY BUTYRATE  
(GHB)**

**GAMMA BUTRYL LACTONE  
(GBL)**

**2,3-DIHYDROFURAN(NONE)  
(GBL)**

**WHAT IS IT?**

1960's

FIRST MANUFACTURED

INDUCED SLEEP-LIKE STATES

MINOR CARDIOVASCULAR EFFECTS

1963

IDENTIFIED AS A NATURAL  
SUBSTANCE IN THE BRAIN.

BELIEVED TO REACT WITH THE  
GABA-B NEUROTRANSMITTER.

1970's

SLEEP DISORDERS

POSSIBLE STEROID ENHANCING  
EFFECT.

**WHAT DOES IT DO?**

GHB IS BELIEVED TO PROMOTE R.E.M.  
SLEEP. IT IS BELIEVED THAT HUMAN  
GROWTH HORMONE IS RELEASED DURING  
THIS TIME. GHB IS BELIEVED TO ACTIVATE  
THE METABOLIC PROCESS KNOWN AS:

“PENTOSE PATHWAY”

REDUCING THE RATE THAT THE BODY  
BREAKS DOWN PROTEIN. STORING  
DOPAMINE UNTIL IT IS RELEASED WHEN  
PERSON IS AWAKENED.

## WHAT IS GHB USED FOR?

1990's

FOR SPORTS (ILLEGALLY)

AS A NEW AGE DRUG AT "RAVES"

AS A "DATE RAPE" DRUG

## WHAT DOES IT DO IN THE BODY?

ACTIVATES THE GABA PATHWAY IN  
THE BRAIN AND THE BODY

MUSCLE RELAXANT

SLEEP INDUCED WITH HIGHER  
DOSES

SIMILAR EFFECTS AS ALCOHOL AND  
OTHER DEPRESSANT DRUGS.

## WHAT FORMS DOES IT COME IN?

IN A WHITE POWDER:

PLACED INTO LIQUID AND DISSOLVED

IN A LIQUID FORM:

ODORLESS, COLORLESS SOAPY - SALTY  
TASTE

ADDED TO WATER OR OTHER BEVERAGE  
COLORED "BLUE, GREEN, OR RED"

STREET NAMES FOR GHB

LIQUID X  
LIQUID ECSTASY  
CHERRY METH  
SCOOP  
GEORGIA HOME BOY  
SOAP  
GRIEVOUS BODILY HARM  
GBH  
NATURE'S QUAALUDE  
EASY-LAY

## DOSAGE EFFECTS:

### LOW DOSE

EUPHORIA  
SOCIABILITY  
LIGHT-HEADEDNESS  
INEBRIATION  
APHRODISIA

### SIDE EFFECTS

IMPAIRMENT  
INABILITY TO DRIVE  
TONIC-MYOCLONIC SEIZURES  
NAUSEA

### MEDIUM DOSE

INTENSIFICATION OF LOW DOSE  
SLEEP  
SHORT OR NORMAL TIME

### SIDE EFFECTS

GROGGINESS  
CHEYENNES-STOKES RESPIRATION  
INCREASES MOTOR LOSS  
SLEEP PARALYSIS

### HIGH DOSE

COMA

### "STUPID" DOSE

TRACHEAL INTUBATION

### SIDE EFFECTS

DEPRESSED BREATHING  
INCONTINENCE

GHB SHOULD NEVER BE COMBINED WITH  
ALCOHOL AS A MULTIPLICATIVE EFFECT  
IS PRODUCED AND THE COMBINATION IS  
DEADLY.



## TIME OF EFFECTS:

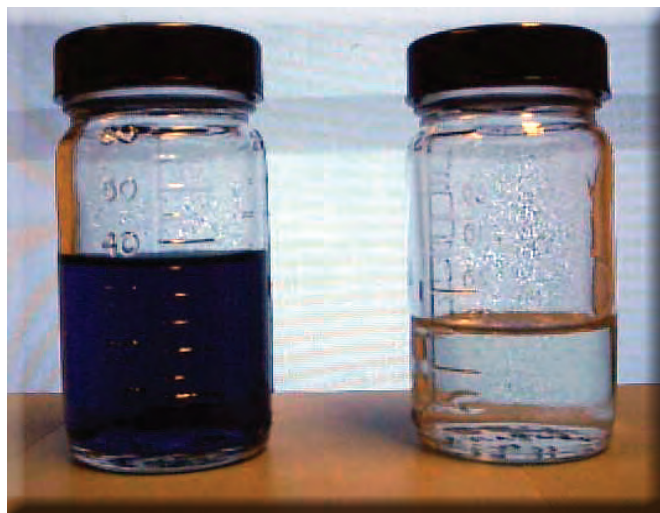
ONSET:	10-20 MINUTES
DURATION:	1-3 HOURS
NORMAL	2-4 HOURS



**GHB**



**GHB IN WATER**



**GHB**



**DOSE OF GHB**



**KLONOPIN**



**VALIUM**



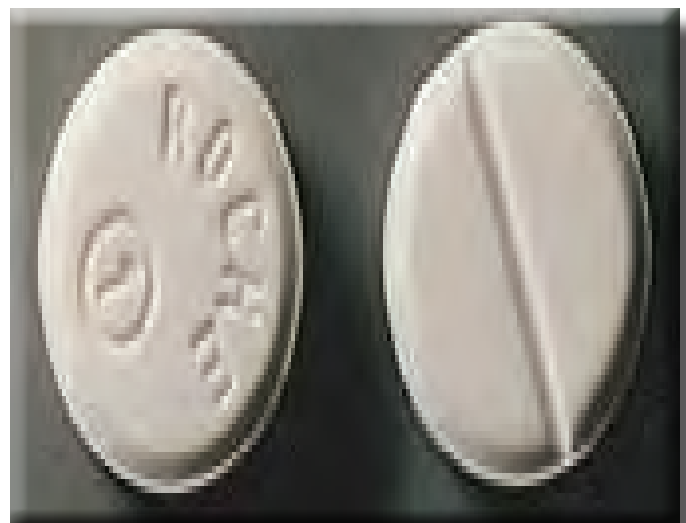
**XANAX**



**XANAX**



**SOMA**



**ROHYPNOL  
"ROOFIES"**