



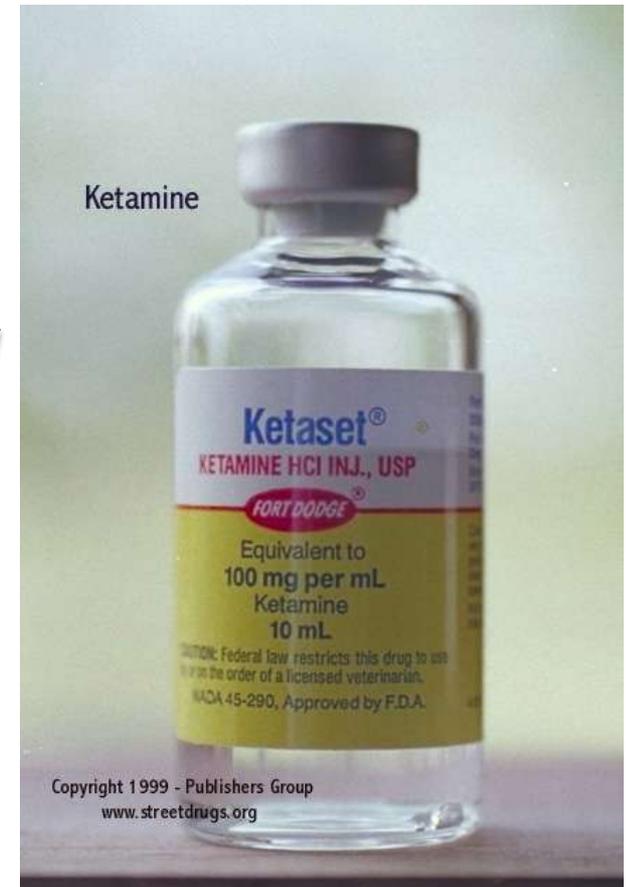
KETAMINE



- ❑ *Ketamine is classified as dissociative anesthetic, or a drug that separates perception from sensation.*
- ❑ *Ketamine, or ketamine hydrochloride, is a Central Nervous System (CNS) Depressant.*
- ❑ *Ketamine is used primarily as an anesthetic in veterinary medicine, but is also sometimes used with small children and the elderly.*
- ❑ *Ketamine is found as a clear white liquid or as a white powder.*
- ❑ *Ketamine is considered to be a “club drug”.*

HISTORY of KETAMINE

- 1962** *Ketamine is first synthesized at Parke Davis Labs in California.*
- 1965** *Ketamine is determined to be a useful anesthetic.*
- 1970s** *Patients first report unwanted visions, or hallucinations, while under the influence of Ketamine.*



HISTORY of KETAMINE

KETAMINE



1980s Ketamine is popularized by the publication of two books that provide personal accounts of its use.

1995 DEA adds Ketamine to its “emerging drugs list”.

August 1999 Ketamine becomes a Schedule III drug.

STREET NAMES

Ketalar

New Ecstasy



KitKat

Super K



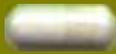
HOW IS KETAMINE CONSUMED?



- ¥ ***Injected***
- ¥ ***Snorted***
- ¥ ***Smoked – Either with tobacco or marijuana***
- ¥ ***Drank – usually diluted with water and/or orange juice***
- ¥ ***Orally – Ketamine has been known to come in a pill form that is often sold as Ecstasy.***

PHYSICAL SIDE EFFECTS

 *Slurred Speech*

 *Increased Heart Rate*

 *Increased Blood Pressure*

 *Muscle Rigidity*

 *Respiratory Distress*

 *Paralysis*

 *Heart Attack*

 *Stroke*

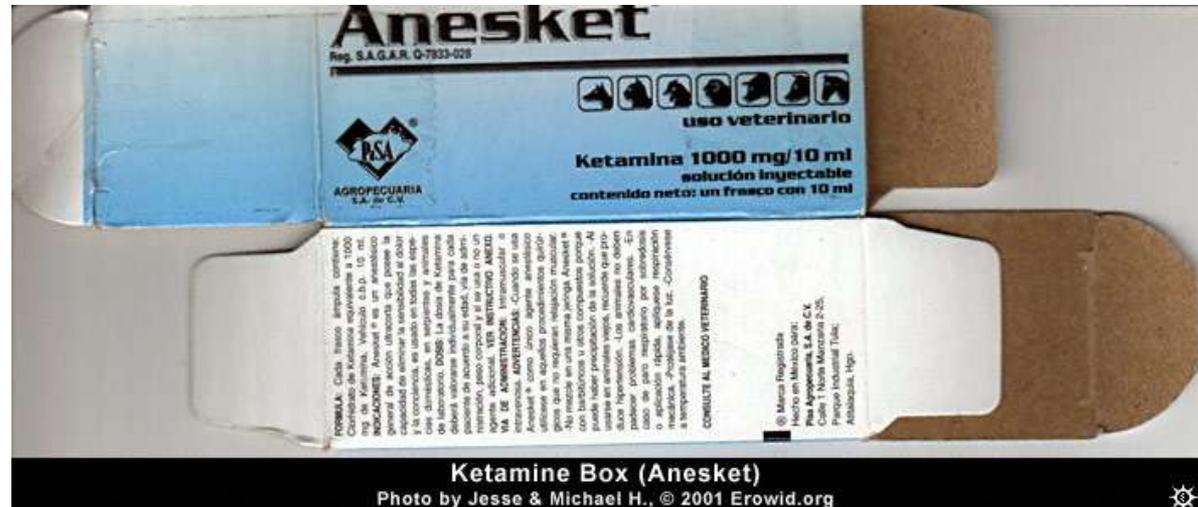
 *Coma*

 *Death*



PHYSIOLOGICAL EFFECTS

- ❖ Amnesia
 - ❖ Chronic Depression
 - ❖ Recurrent Flashbacks
 - ❖ High Blood Pressure
 - ❖ Impaired Motor Function
 - ❖ Loss of senses, time and identity
- ❖ **“K-Hole”** – Slang for the near-death or out-of-body experience that Ketamine causes.
 - ❖ **“K-Land”** – Slang for PCP-like effects.



KETAMINE TESTING

- ***Ketamine is detectable in urine for approximately 1-2 days.***

Ketamine is usually seen in liquid form. It is easily converted to powder by heating the liquid in a microwave or thermal event.



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GHB



- *GHB, or Gamma Hydroxybuteric acid, is classified as a central nervous system (CNS) depressant that sometimes causes hallucinations.*
- *GHB is usually found as a clear liquid with a slightly salty taste, but can also be found as a small tablet or capsule, all of which dissolve quickly in liquid.*
- *GHB usually is sold by capful or teaspoon, also known as a “dose”.*

HISTORY of GHB

1960s GHB is developed as an anesthetic, but the side effects limit the use.

1980s GHB can be bought in health food stores and use begins to rise amongst body builders due to the myth that GHB has many of the same properties as steroids.

1990 The over-the-counter sale of GHB is banned in the United States by the FDA.



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HISTORY of GHB



1997-1999 Several countries pass laws to control GHB and several individual U.S. States place GHB in Schedules I through IV.

2000 GHB becomes a Schedule I drug in the United States.

HOW IS GHB CONSUMED?



- ¥ ***GHB can be found in both a liquid and a powder form.***
- ¥ ***Both forms are consumed orally and are sometimes mixed with sweet or strong flavored drinks to help hide the salty taste.***
- ¥ ***Both forms dissolve almost entirely in liquids.***
- ¥ ***The onset of the effects of GHB occur approximately 1 hour after ingestion, and can be felt for up to 6 hours.***



LOW DOSAGE EFFECTS



Low doses are considered to be recreational doses by those that use, or 1-2 capfuls. The low doses of GHB can cause:

- Hypnotic Consciousness
- Mood elevation
- Relaxation
- Mild dizziness
- Reduced inhibitions
- Increased Sociability
- Decreased Motor Skills

HIGH DOSAGE EFFECTS

High doses of GHB are considered to be 3-4 capfuls or teaspoons. The effects of high doses of GHB have been compared to those of heavy drinking:

❧ **Increased Sociability**

❧ **Mild Euphoria**

❧ **Slurred Speech**

❧ **Nausea**



❧ **Grogginess**

❧ **Vertigo**

❧ **Visual disturbances /
Difficulty Focusing
Eyes**

GHB TESTING

- ***GHB is detectable in urine for approximately 24 hours after initial consumption.***
- ***GHB is detectable in blood for approximately 4 hours after initial consumption.***