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| **Major****Indicators** | **CNS Depressants** | **CNS****Stimulants** | **Hallucinogens** | **Dissociative Anesthetics** | **Narcotic Analgesics** | **Inhalants** | **Cannabis** |
| **HGN** | Present | None | None | Present | None | Present | None |
| **Vertical****Nystagmus** | Present(High Dose) | None | None | Present | None | Present(High Dose) | None |
| **Lack of****Convergence** | Present | None | None | Present | None | Present | Present |
| **Pupil Size** | Normal (1) | Dilated | Dilated | Normal | Constricted | Normal (4) | Dilated (6) |
| **Reaction to****Light** | Slow | Slow | Normal (3) | Normal | Little or none visible | Slow | Normal |
| **Pulse Rate** | Down (2) | Up | Up | Up | Down | Up | Up |
| **Blood Pressure** | Down | Up | Up | Up | Down | Up/Down(5) | Up |
| **Body****Temperature** | Normal | Up | Up | Up | Down | Up/Down/Normal | Normal |
| **Muscle Tone** | Flaccid | Rigid | Rigid | Rigid | Flaccid | Normal orFlaccid | Normal |
| **General Indicators** | DisorientedDroopy eyelidsDrowsiness Drunk-like behavior Impaired judgementRelaxed inhibitionsSlow, sluggish reactions Thick, slurred speech Uncoordinated Unsteady walkVariety of emotional effects | Anxiety Body tremors Dry mouth Euphoria Exaggerated reflexes Excited Eyelid tremors Grinding teeth(Bruxism)Hyperactivity Increased alertness Insomnia Irritability Redness to the nasal area Restlessness Runny nose Talkative  | Body tremors Dazed appearance Difficulty with speech DisorientedHallucinations Impaired perception of time and distance Memory loss Nausea Paranoia Perspiring PiloerectionSynesthesia Uncoordinated  | Blank stare ConfusedChemical odor (PCP)Cyclic behavior Disoriented Hallucinations Incomplete verbal responses Increased pain threshold Non-communicative Perspiring Possibly violent Sensory distortions Slow, slurred speech Slowed responses | Depressed reflexesDifficulty concentrating Droopy eyelids Drowsiness Dry mouth Euphoria Itching Nausea “On the Nod” Puncture marks Slow, low, raspy speech Slowed breathingSlow deliberate movements | Bloodshot eyes ConfusedDisoriented Flushed face Intense headachesMuscle weakness Non-communicative Odor of substance Possible nausea Residue of substance Slow, thick, slurred speech Watery eyes  | Body tremors Bloodshot eyes DisorientedDrowsiness Eyelid tremorsEuphoriaGreenish coating on the tongue Impaired perception of time and distanceImpaired memory Incomplete verbal responsesIncreased appetite Lack of concentrationMood changes ParanoiaRebound DilationRelaxed inhibitionsSedation |
| **Duration of Effects** | Ambien: 4-5 hoursKlonopin:6-12 hours Xanax: 6-8 hoursOthers: Vary  | Cocaine: Up to 2 hoursMethamphetamines: Up to 12 hours | LSD: 6-8 hoursMDMA: 1-3 hoursPsilocybin: Up to 5 hours | PCP: 4-6 hours DXM: 3-6 hoursKetamine: Up to 2 hours  | Fentanyl: 2-3 hoursHeroin:3-5 hoursMethadone: 6-8 hoursOthers: Vary | Several hours for most volatile solventsAnesthetic gases and aerosols - very short duration | Smoked: 3-4 hoursEdibles: Up to 8 hours |
| **Usual****Methods of****Administration** | Injected InsufflationOral | InsufflationInjectedOralSmoked | InsufflationOralSmokedTransdermal | Injected Insufflation Oral Smoked Transdermal | InjectedInsufflationOralSmokedTransdermal | Inhalation  | OralSmokedTransdermal |
| **Overdose Signs** | Clammy skin Coma Rapid, weak pulse Shallow breathing  | PsychosisHallucinations Violent behavior  | Intense bad “trip” ConvulsionsCondition similar to heat stroke | ComaSeizures  | Cold, clammy skin Coma Convulsions Slow and shallow breathing  | Cardiac arrhythmia Respiration ceases Nausea / vomiting Risk of death  | Excessive vomitingAcute anxiety attacksPossible psychosis |
| **Foot note: These indicators are those most consistent with the category. There may be variations due to individual reaction, dose taken and drug interactions.** **DRE Average Ranges:****Pulse: 60-90 beats per minute****Blood Pressure: 120-140mmHg Systolic / 70-90mmHg Diastolic****Body Temperature: 98.6 degrees, +/- 1 degree****Pupil Size in Room Light: 2.5 – 5.0mm****Pupil Size in Near Total Darkness: 5.0 – 8.5mm****Pupil Size in Direct Light: 2.0 – 4.5mm**1. **Soma, Quaaludes, and some antidepressants usually dilate.**
2. **Quaaludes, ETOH, and some antidepressants may elevate.**
3. **Certain psychedelic amphetamines may cause slowing.**
4. **Possibly dilated.**
5. **Down with anesthetic gases, up with volatile solvents and aerosols.**
6. **Possibly normal.**

**Revised: 03/23 MJB Matrix version: 2/23** |

DRUG SYMPTOMOLOGY CHART