

50 - ANGLE OF ONSET=B.A.

	CNS STIMULANTS	HALUCINOGENS	OPIATES	MARIJUANA	ALCOHOL	CNS DEPRESSANTS	INHALANTS	PCP
HORZ. GAZE NYSTAGMUS	NO	NO	NO	NO	YES	YES	YES	YES
VERTICAL NYSTAGMUS	NO	NO	NO	NO	YES (HIGH BAC)	YES	YES	YES
NON CONVERGENCE	NO	NO	NO	YES	YES	YES	YES	YES
PULSE	UP	UP	DOWN	UP	NORMAL OR UP	SLOW <sup>1</sup>	UP	UP
RHOMBERG INTERNAL CLOCK	FAST	FAST	SLOW	DISTORTED	FAST	SLOW	NEAR NORMAL	FAST
PUPIL SIZE	DILATION <sup>2</sup>	POSSIBLE DILATION	CONSTRICION	NORMAL OR POSS. DILATION	NORMAL OR POSS. DILATION	NEAR <sup>1</sup> NORMAL	NEAR NORMAL	NEAR NORMAL
PUPILLARY REACTION	SLOW <sup>2</sup>	NEAR NORMAL	SLOW OR NONE	NEAR NORMAL	NEAR NORMAL	SLOW	NEAR NORMAL	NEAR NORMAL

GENERAL OBSERVED SYMPTOMS: DEPENDS ON SUBSTANCE, TOLERANCE, DOSE, ETC.

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1 CERTAIN DEPRESSANTS(METHAQUALONE, PROZAC, MAO INHIBITORS) MAY INCREASE PULSE AND/OR DILATE PUPILS

2 CHRONIC USE OF CNS STIMULANTS MAY CAUSE A NON-REACTIVE CONSTRICTED PUPIL (APPROX 3.0 M.M.)

**DRUG ABUSE RECOGNITION**

**D.A.R. 7-STEP PROCESS**

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**HORIZONTAL GAZE NYSTAGMUS**  
Lack of smooth pursuit  
Maximum deviation  
Angle of onset

**VERTICAL NYSTAGMUS**  
Present or not present

**NON-CONVERGENCE**

**PULSE**  
Near Normal Range  
60-90 BPM  
30 seconds x 2 = B.P.M.

**RHOMBERG STAND**  
Body sway  
Eyes and body tremors  
Internal clock estimation  
30 seconds ± 10 secs

**PUPILLARY COMPARISON**  
Near Normal Range  
3.0 m.m. to 6.5 m.m.  
Room light  
Near darkness

**PUPILLARY REACTION**  
Direct (hippus, Rebound dilation)  
Indirect

1.0 ●

1.5 ●

2.0 ●

2.5 ●

3.0 ●

3.5 ●

4.0 ●

4.5 ●

5.0 ●

5.5 ●

6.0 ●

6.5 ●

7.0 ●

7.5 ●

8.0 ●

8.5 ●

9.0 ●

9.5 ●

10.0 ●

8.5 ●

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