SESSION XXI

CANNABIS

<u>SESSION XXI</u> **CANNABIS**

Upon successfully completing this session the student will be able to:

- Explain a brief history of Cannabis.
- Identify common names and terms associated with Cannabis.
- Identify common methods of administration for Cannabis.
- Describe the symptoms, observable signs and other effects associated with Cannabis.
- Describe the typical time parameters, i.e. onset and duration of effects associated with Cannabis.
- List the clues that are likely to emerge when the drug influence evaluation is conducted for a person under the influence of this drug category.
- Correctly answer the "topics for study" questions at the end of this session.

A. Overview of Cannabis

"Cannabis" is the category of drugs that derive primarily from various species of Cannabis plants. Two species that supply much of the abused Cannabis are Cannabis Sativa and Cannabis Indica. Some jurisdictions as well as botanists don't recognize Cannabis Indica as a separate species. The active ingredient in these drugs is:

Delta-9 Tetrahydrocannabinol

(abbreviated Delta-9 THC, or simply "THC")

THC is found principally in the leaves and flowers of the plant, rather than the stems or branches. Different varieties of Cannabis plants have different concentrations of THC. A variety that has a relatively high concentration of THC is the Sinsemilla (the unfertilized female) plant, a type of Cannabis Sativa having very tiny seeds. ("Sinsemilla" is a Spanish expression for "without seeds".)

Cannabis has some limited medical applications. It lowers intraocular pressure, and can be helpful for glaucoma patients. It suppresses nausea, and sometimes is recommended for cancer patients to relieve the nausea that accompanies chemotherapy.

There are four principal forms of the drug Cannabis:

- **Marijuana** consists of the dried leaves of the plant.
- **Hashish** is a form of cannabis made from the dried and pressed resin of a marijuana plant.
- **Hash oil** is sometimes referred to as “marijuana oil” it is a highly concentrated syrup-like oil extracted from marijuana. It is normally produced by soaking marijuana in a container of solvent, such as acetone or alcohol for several hours and after the solvent has evaporated, a thick syrup-like oil is produced with a higher THC content.
- **Marinol** (also known as Dronabinol) is a synthetic form of THC that is not derived from Cannabis plants. Marinol is a prescription drug administered to cancer patients to suppress the nausea that may accompany chemotherapy.

  Nabilone is a synthetic form of THC and is used as an anti-vomiting agent.

- Synthetic Cannainoid Products typically include olive colored herbs, combination of herbs, or plant materials enhanced with a delta-9-tetrahydrocannabinol (THC) synthetic analog. When smoked, synthetic cannabinoid products mimic the hallucinogenic effects of marijuana. However they have many adverse effects that include, panic attacks, agitations, tachycardia (range of 100 to 150 BPM), elevated blood pressure, anxiety, pallor, and numbness and tingling. Users report effects lasting between 30 minutes and 2 hours. Common brand names for synthetic cannabinoids include K2, Spice, Spice Gold, Spice Diamond, Yucatan Fire, Solar Flare, K2 Summit, Genie, PEP Spice, and Fire n Ice, to name a few.

Potency, Purity and Dose

THC is the major psychoactive constituent of Cannabis. Potency is dependant on THC concentration and is usually expressed as percent THC per dry weight of material. Average THC concentration in marijuana is 1-5 percent, hashish 5-15 percent, and hash oil 10-12 percent.

The form of marijuana known as Sinsemilla is derived from the unpollenated female cannabis plant and is preferred for its high THC content (ranging from 15 percent and higher). Recreational doses are highly variable. A single intake of smoke from a pipe or joint is called a hit (approximately 1/20th of a gram). The lower the potency or THC content the more hits are needed to achieve the desired effects; 1-3 hits of high potency Sinsemilla is typically enough to produce the desired effects. In terms of its psychoactive effect, a drop or two of hash oil on a cigarette is equal to a single "joint" of marijuana. Medically, the initial starting dose of Marinol is 2.5 mg, twice daily.

Marijuana usually is smoked. Marijuana, hashish and hash oil also can be taken orally, e.g., baked in cookies or brownies and eaten. Marinol is taken orally.

B. Possible Effects of Cannabis

Cannabis interferes with a person's ability or willingness to divide attention. When driving, they may attend to certain parts of the driving task but ignore other parts. For example, they may continue to steer the car but ignore stop signs, traffic lights, etc.

Pharmacological effects of marijuana vary with dose, route of administration, experience of user, vulnerability to psychoactive effects, and setting of use. At recreational doses, effects may include relaxation, euphoria, relaxed inhibitions, sense of well-being, disorientation, altered time and distance perception, lack of concentration, impaired learning and memory, alterations in thought formation and expression, drowsiness, sedation, mood changes such as panic reactions and paranoia, and a more vivid sense of taste, sight, smell, and hearing. Stronger doses intensify reactions and may cause fluctuating emotions, flights or fragmentary thoughts with disturbed associations, a dulling of attention despite an illusion of heightened insight, image distortion, and psychosis.

Other characteristic indicators **may** include an odor of marijuana in the subject's vehicle or on the subject's breath, marijuana debris in the mouth, green coating on the subject's tongue, and reddening of the conjunctiva.

Because Cannabis impairs attention, divided attention tests are excellent tools for recognizing people who are under the influence of this category of drug.

C. Onset and Duration of Cannabis Effects

Persons begin to feel and exhibit marijuana's effects within 8-9 seconds after inhaling the smoke. The effects usually reach their peak within 10-30 minutes, and the effects generally continue for 2-3 hours. The user typically feels "normal" within 3-6 hours after smoking marijuana. There are studies that indicate that the user may be impaired long after the euphoric feelings have ceased.

It is important to understand that some blood and urine tests may continue to disclose evidence of the use of marijuana long after the effects of marijuana have dissipated. That is because certain chemical tests do not seek to find THC itself, but instead look for metabolites of THC, or chemical by-products. It can take as long as 4 hours for THC to appear in the urine at concentrations sufficient to trigger an immunoassay (50 ng/mL) following smoking. Some blood tests may disclose marijuana use for at least 3 days after smoking. Some urine tests may indicate the presence of THC metabolites for 28-45 days.

There are two important metabolites of THC. One of these metabolites is Hydroxy THC; this causes the user to feel euphoric so that they are aware of the effects. Hydroxy THC usually is eliminated from the blood plasma within six hours. The other important metabolite is Carboxy THC. There is no evidence at this time that this metabolite is psychoactive. Carboxy THC may be found in the blood plasma for several days following marijuana use.

D. Signs and Symptoms of Cannabis Overdose

Excessive use of marijuana can create paranoia and possible psychosis. These same effects may develop from long term use of the drug, which has also been observed to produce sharp personality changes, especially in adolescent users. Other long term effects include:

- lung damage
- chronic bronchitis
- lowering of testosterone (male sex hormone)
- possible birth defects, still births and infant deaths
- acute anxiety attacks
- chronic reduction of attention span

E. Expected Results of the Evaluation

When a person under the influence of Cannabis is evaluated by a DRE, the following results can generally be expected:

Horizontal Gaze Nystagmus - none

Vertical Gaze Nystagmus - none

Lack of Convergence - present

Pupil size - dilated, but possibly normal. Rebound dilation may be observed.

Reaction to light - normal

Pulse rate - up

Blood Pressure - up

Temperature - normal

Muscle tone - normal

Injection sites usually will not be found.

General Indicators:

- body tremors
- disorientated
- debris in mouth (possible)
- eyelid tremors
- impaired perception of time and distance
- increased appetite
- marked reddening of the conjunctiva
- odor of marijuana
- possible paranoia
- relaxed inhibitions

DRUG INFLUENCE EVALUATION

Evaluator: Constable John Bercic, Vancouver PD	DRE #: 4651	Rolling Log #: 10-04-015	**Session XXI- #1**
Recorder/Witness: Sgt. Paul. Milne, New Westminister P.S.	Crash: ☒ None ☐ Fatal ☐ Injury ☐ Property		Case # 347817-10
Arrestee's Name (Last, First, Middle): Clark, Kenneth A.	Date of Birth: 5/24/84	Sex: M / Race: W	Arresting Officer (Name, ID#): Constable John Ferguson, RCMP #8890
Date Examined / Time /Location: 04/05/10 2220 Vancouver Jail	Breath Results: Results: 0.00	Test Refused ☐ Instrument #: 47451	Chemical Test: Urine ☐ Blood ☒ Test or tests refused ☐

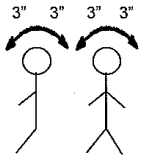
Miranda Warning Given: ☒ Yes ☐ No Given By: Cst. Ferguson	What have you eaten today? When? Couple of hot dogs 5 PM	What have you been drinking? How much? Nothing		Time of last drink? N/A
Time now/ Actual: 11:00 pm / 2225	When did you last sleep? How long: Last night 6 hrs.	Are you sick or injured? "Hell no I feel great." ☐ Yes ☒ No	Are you diabetic or epileptic? ☐ Yes ☒ No "No, are you?"	
Do you take insulin? ☐ Yes ☒ No	Do you have any physical defects? ☐ Yes ☒ No	Are you under the care of a doctor or dentist? ☐ Yes ☒ No		
Are you taking any medication or drugs? ☐ Yes ☒ No "I don't do drugs man."	Attitude: Boisterous, cooperative	Coordination: Unsteady, relaxed		
Speech: Loud, talkative	Breath Odor: Odor of marijuana	Face: Flushed, sweaty		
Corrective Lenses: ☒ None ☐ Glasses ☐ Contacts, if so ☐ Hard ☐ Soft	Eyes: ☒ Reddened Conjunctiva ☐ Normal ☐ Bloodshot ☐ Watery	Blindness: ☒ None ☐ Left ☐ Right	Tracking: ☒ Equal ☐ Unequal	
Pupil Size: ☒ Equal ☐ Unequal (explain)	Vertical Nystagmus ☐ Yes ☒ No	Able to follow stimulus ☒ Yes ☐ No	Eyelids ☒ Normal ☐ Droopy	

Pulse and time	HGN	Left Eye	Right Eye
1. 94 / 2212	Lack of Smooth Pursuit	No	No
2. 92 / 2227	Maximum Deviation	No	No
3. 92 / 2240	Angle of Onset	None	None

Convergence: Right eye / Left eye

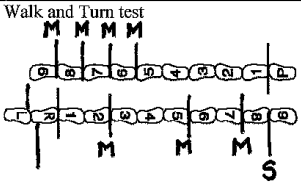
32 ONE LEG STAND 28

Romberg Balance



Circular Sway

Walk and Turn test



Laughing during test

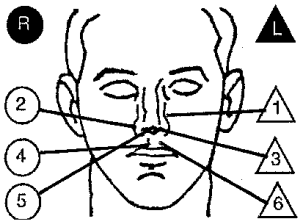
	1st Nine	2nd Nine
Cannot keep balance	✓✓	
Starts too soon		
Stops walking	✓	
Misses heel-toe	✓✓✓	✓✓✓✓
Steps off line		
Raises arms	✓	✓✓
Actual steps taken	9	9

	L	R
Sways while balancing	✓	✓✓
Uses arms to balance	✓	✓✓
Hopping	✓	☐
Puts foot down	✓✓	✓✓

Laughed during the test

Internal clock: 43 estimated as 30 seconds	Describe Turn: Stopped	Cannot do test (explain): N/A	Type of footwear: Boots

Draw lines to spots touched



Laughing and eyelid tremors

PUPIL SIZE	Room light 2.5 – 5.0	Darkness 5.0 – 8.5	Direct 2.0 – 4.5
Left Eye	5.5	9.0	5.5 - 7.0
Right Eye	5.5	9.0	5.5 - 7.0

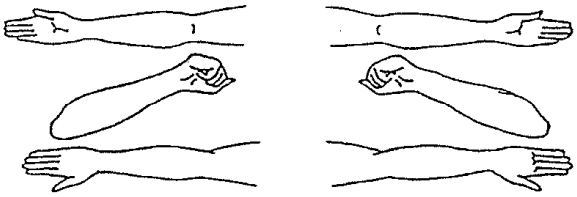
REBOUND DILATION ☒ Yes ☐ No

REACTION TO LIGHT: Normal

Nasal area: Clear

Oral cavity: Clear

RIGHT ARM **LEFT ARM**



Nothing observed

Blood pressure: 154/106	Temperature: 98.6

Muscle tone: ☒ Normal ☐ Flaccid ☐ Rigid

Comments:

What drugs or medications have you been using? "I told you, I don't do drugs."	How much? No answer	Time of use? No answer	Where were the drugs used? (Location) "I ain't saying anything."

Date / Time of arrest: 04/05/10 2105	Time DRE was notified: 2150	Evaluation start time: 2220	Evaluation completion time: 2350	Precinct/Station:

Officer's Signature:	DRE # 4651	Reviewed/approved by / date:

Opinion of Evaluator: ☐ Rule Out ☐ Alcohol ☐ CNS Stimulant ☐ Dissociative Anesthetic ☐ Inhalant ☐ Medical ☐ CNS Depressant ☐ Hallucinogen ☐ Narcotic Analgesic ■ Cannabis

DRUG INFLUENCE EVALUATION NARRATIVE

Suspect**:** Clark, Kenneth A.

1. **LOCATION:** The evaluation was conducted at the Vancouver Police Department.

2. **WITNESSES:** Sgt. Paul Milne of the New Westminster Police Services.

3. **BREATH ALCOHOL TEST:** Clark's breath test was a 0.00%.

4. **NOTIFICATION AND INTERVIEW OF THE ARRESTING OFFICER:** Writer was contacted by radio and advised to meet Constable Ferguson at the Vancouver Police Department for a drug evaluation. Constable Ferguson advised he stopped Clark after observing him exit Highway 1A at a high rate of speed then fail to stop at a stop sign. The suspect seemed unconcerned about his driving and told Ferguson that he was "just having some fun." After performing poorly on the SFST's, Clark was arrested for DUI.

5. **INITIAL OBSERVATION OF SUSPECT:** Writer first observed the suspect in the interview room at V.P.D. He was laughing a lot and several times said, "This machine says I'm not drunk" He was having problems with his coordination and several times he bumped into the interview table. He had a noticeable reddening of the conjunctiva.

6. **MEDICAL PROBLEMS AND TREATMENT:** None noted or stated.

7. **PSYCHOPHYSICAL TESTS:** Romberg Balance: Suspect had a circular sway of approximately 3" and estimated 30 seconds in 43 seconds. Walk & Turn: Suspect lost his balance twice during the instructions stage, missed heel to toe three times on the first nine steps. On the return nine steps he missed heel-to-toe four times and began laughing. He also used his arms for balance. One Leg Stand: Suspect put his foot down three times while standing on the left foot and twice while standing on the right foot. He also used his arms for balance on both and laughed while completing the test. Finger to Nose: The suspect missed the tip of his nose on four of the attempts and laughed while completing the test.

8. **CLINICAL INDICATORS:** Suspect had a Lack of Convergence and Rebound Dilation. His pupils were dilated and his pulse and blood pressure were above the normal ranges.

9. **SIGNS OF INGESTION:** The suspect had an odor of marijuana on his breath and clothes.

10. **SUSPECT'S STATEMENTS:** Suspect stated, "I smoke pot. What's the big deal?"

11. **DRE'S OPINION:** In my opinion Clark is under the influence of a Cannabis and unable to operate a vehicle safely.

12. **TOXICOLOGICAL SAMPLE:** The suspect provided a blood sample.

13. **MISCELLANEOUS:**

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DRUG INFLUENCE EVALUATION

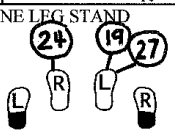
Evaluator: Officer Robert Hayes, Albany P.D.	DRE #: 6606	Rolling Log #: 10-09-025	**Session XXI-#2**
Recorder/Witness: Sgt. Greg Plummer, Oregon State Police	Crash: ☒ None ☐ Fatal ☐ Injury ☐ Property		Case # 10-09-12885
Arrestee's Name (Last, First, Middle): Peltier, Charles E.	Date of Birth: 5/16/70	Sex: M / Race: W	Arresting Officer (Name, ID#): Sr. Trooper Steve Webster, Oregon State Police #1055
Date Examined / Time /Location: 09/21/10 2325 Linn Co. Jail	Breath Results: Results: 0.00	Test Refused ☐ Instrument #: 2124	Chemical Test: Urine ☒ Blood ☐ Test or tests refused ☐

Miranda Warning Given: ☒ Yes ☐ No. Given By: Tpr. Webster	What have you eaten today? When? Hot dog 3 hours ago	What have you been drinking? How much? Beer "Two"	Time of last drink? 2 hours ago	
Time now/ Actual: Midnight/11:30 pm	When did you last sleep? How long: Last night About 5 hrs. ago	Are you sick or injured? "No, and I'm not drunk": ☐ Yes ☒ No	Are you diabetic or epileptic? ☐ Yes ☒ No	
Do you take insulin? ☐ Yes ☒ No "I don't take anything."	Do you have any physical defects? ☐ Yes ☒ No	Are you under the care of a doctor or dentist? ☐ Yes ☒ No		
Are you taking any medication or drugs? ☐ Yes ☒ No "Nothing man."	Attitude: Impatient, anxious	Coordination: Poor, disoriented		
Speech: Slow, slurred	Breath Odor: Normal	Face: Normal		
Corrective Lenses: ☒ None ☐ Glasses ☐ Contacts, if so ☐ Hard ☐ Soft	Eyes: ☐ Reddened Conjunctiva ☐ Normal ☒ Bloodshot ☐ Watery	Blindness: ☒ None ☐ Left ☐ Right	Tracking: ☒ Equal ☐ Unequal	
Pupil Size: ☒ Equal ☐ Unequal (explain)	Vertical Nystagmus ☐ Yes ☒ No	Able to follow stimulus ☒ Yes ☐ No	Eyelids ☒ Normal ☐ Droopy	

Pulse and time	HGN	Left Eye	Right Eye
1. 104 / 2338	Lack of Smooth Pursuit	Yes	Yes
2. 102 / 2345	Maximum Deviation	No	No
3. 100 / 2358	Angle of Onset	None	None

Convergence: Right eye → Left eye ←

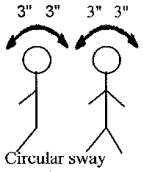
34 ONE LEG STAND 30



L R
☑ ☑ Sways while balancing
☑ ☑ Uses arms to balance
☐ ☑ Hopping
☑ ☑ Puts foot down

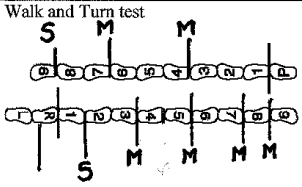
Leg tremors

Romberg Balance



Circular sway
Eyelid tremors

Walk and Turn test

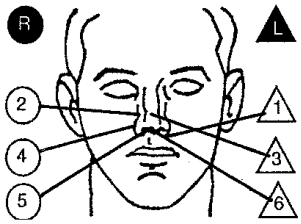


Walked slowly Leg tremors

	1st Nine	2nd Nine
Cannot keep balance	✓	
Starts too soon		
Stops walking	✓	✓
Misses heel-toe	✓✓✓✓	✓✓
Steps off line		
Raises arms	✓✓	✓
Actual steps taken	9	9

Internal clock: 35 estimated as 30 seconds	Describe Turn: Lost balance, stepped to the right	Cannot do test (explain): N/A	Type of footwear: Lace-up boots

Draw lines to spots touched



Eyelid tremors

PUPIL SIZE	Room light 2.5 – 5.0	Darkness 5.0 – 8.5	Direct 2.0 – 4.5
Left Eye	6.5	8.0	6.0
Right Eye	6.5	8.0	6.0

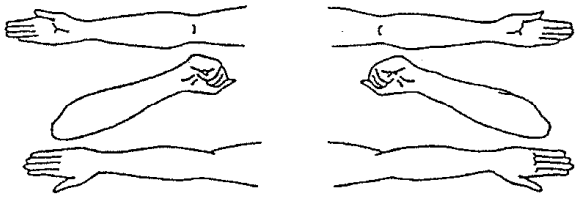
Nasal area: Clear

Oral cavity: Green coating on back of tongue

REBOUND DILATION: ☐ Yes ☒ No

REACTION TO LIGHT: Slow

RIGHT ARM **LEFT ARM**



Nothing observed

Blood pressure: 148/100	Temperature: 98.4

Muscle tone: ☒ Normal ☐ Flaccid ☐ Rigid

Comments:

What drugs or medications have you been using? "Just a couple of beers."	How much? N/A	Time of use? N/A	Where were the drugs used? (Location) N/A
Date / Time of arrest: 09/21/10 2210	Time DRE was notified: 2250	Evaluation start time: 2325	Evaluation completion time: 0030 09/22/10	Precinct/Station:
Officer's Signature:	DRE #: 6606	Reviewed/approved by / date:	

Opinion of Evaluator: ☐ Rule Out ☐ Medical ☐ Alcohol ☐ CNS Depressant ☐ CNS Stimulant ☐ Hallucinogen ☐ Dissociative Anesthetic ☐ Narcotic Analgesic ☐ Inhalant ☒ Cannabis

DRUG INFLUENCE EVALUATION NARRATIVE

Suspect**:** Peltier, Charles E.

1. **LOCATION:** The evaluation was conducted in the interview room at the Linn County Jail.

2. **WITNESSES:** The evaluation was witnessed and recorded by Senior Trooper Mike Iwai of the Oregon State Police.

3. **BREATH ALCOHOL TEST:** Peltier's breath test was a 0.04%.

4. **NOTIFICATION AND INTERVIEW OF THE ARRESTING OFFICER:** Writer was dispatched to contact Sr. Trooper Webster at the Linn County Jail for a drug evaluation. Senior Trooper Webster advised he had arrested Peltier for DUI after he attempted to elude officers on I-5 south of Salem. The suspect was detained with the use of spike strips. The suspect was disoriented and had poor balance and coordination. After performing poorly on the SFST's, he was arrested for DUI.

5. **INITIAL OBSERVATION OF SUSPECT:** Writer first observed the suspect in the interview room at the jail. He seemed impatient and anxious. He had poor coordination and balance and his speech was slow and slurred.

6. **MEDICAL PROBLEMS AND TREATMENT:** None noted or stated.

7. **PSYCHOPHYSICAL TESTS:** Romberg Balance: Suspect had an approximate 3" circular sway and estimated 30 seconds in 35 seconds. Walk & Turn: Suspect lost his balance during the instructions stage, missed heel to toe three times on the first nine steps and twice on the second nine steps. He stopped twice while walking and raised his arms for balance. One Leg Stand: Suspect swayed while balancing, used his arms for balance, put his foot down once, hopped once and had leg tremors. Finger to Nose: Suspect missed the tip of his nose on four of the six attempts and exhibited eyelid tremors.

8. **CLINICAL INDICATORS:** Suspect had a Lack of Convergence. His pupils were dilated in room light and direct light. His pulse and blood pressure were above the normal ranges.

9. **SIGNS OF INGESTION:** The suspect had a brownish coloration on his tongue.

10. **SUSPECT'S STATEMENTS:** Suspect admitted drinking "two beers" and laughed when asked about smoking marijuana.

11. **DRE'S OPINION:** In my opinion Peltier is under the influence of ETOH (Alcohol) and Cannabis and unable to operate a vehicle safely.

12. **TOXICOLOGICAL SAMPLE:** The suspect provided a urine sample.

13. **MISCELLANEOUS:**

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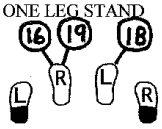
DRUG INFLUENCE EVALUATION

Evaluator: Officer Ed Harris, Seattle Police Department	DRE #: 009532	Rolling Log #: 10-134	**Session XXI-#3**
Recorder/Witness: Sgt. Mark Crandall, Washington State Patrol	Crash: ☐ None ☐ Fatal ☐ Injury ☒ Property		Case # 10-887452
Arrestee's Name (Last, First, Middle): Wright, James B.	Date of Birth: 10/20/83	Sex: W	Race: M	Arresting Officer (Name, ID#): Officer Jon Huber, Seattle Police Department #7688
Date Examined / Time /Location: 06/18/10 2130 SPD West Precinct	Breath Results: Results: 0.00	Test Refused ☐ Instrument #: 4773	Chemical Test: Urine ☐ Blood ☒ Test or tests refused ☐
Miranda Warning Given: ☒ Yes ☐ No Given By: Ofc. Huber	What have you eaten today? When? "Couple of burgers" 7 PM	What have you been drinking? How much? "Nothing, I don't drink."	Time of last drink? N/A
Time now/ Actual: 9-10 pm/9:40 pm	When did you last sleep? How long: Last night 9 hours	Are you sick or injured? ☐ Yes ☒ No "I feel fine."	Are you diabetic or epileptic? ☐ Yes ☒ No
Do you take insulin? ☐ Yes ☒ No	Do you have any physical defects? ☐ Yes ☒ No	Are you under the care of a doctor or dentist? ☐ Yes ☒ No	
Are you taking any medication or drugs? ☐ Yes ☒ No	Attitude: Relaxed, carefree	Coordination: Unsteady	
Speech: Slow and deliberate	Breath Odor: Odor of marijuana	Face: Normal	
Corrective Lenses: ☒ None ☐ Glasses ☐ Contacts, if so ☐ Hard ☐ Soft	Eyes: ☒ Reddened Conjunctiva ☐ Normal ☐ Bloodshot ☐ Watery	Blindness: ☒ None ☐ Left ☐ Right	Tracking: ☒ Equal ☐ Unequal
Pupil Size: ☒ Equal ☐ Unequal (explain)	Vertical Nystagmus ☐ Yes ☒ No	Able to follow stimulus ☒ Yes ☐ No	Eyelids ☒ Normal ☐ Droopy

Pulse and time	HGN	Left Eye	Right Eye
1. 94 / 2140	Lack of Smooth Pursuit	No	No
2. 92 / 2152	Maximum Deviation	No	No
3. 92 / 2215	Angle of Onset	None	None

Convergence: Right eye / Left eye

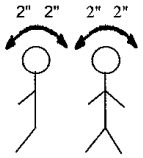
25 ONE LEG STAND 24



L R
☑ ☑ Sways while balancing
☑ ☑ Uses arms to balance
☐ ☐ Hopping
☑ ☑ Puts foot down

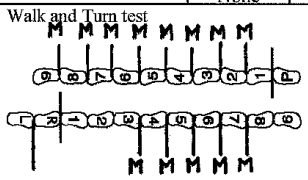
Counted slowly

Romberg Balance



Circular sway

Walk and Turn test



	1st Nine	2nd Nine
Cannot keep balance	✓	
Starts too soon	✓	
Stops walking	✓	
Misses heel-toe	✓✓✓✓	All
Steps off line		
Raises arms	✓	✓
Actual steps taken	9	9

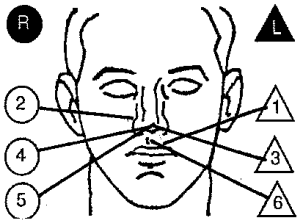
Internal clock: 38 estimated as 30 seconds

Describe Turn: Spun around

Cannot do test (explain): N/A

Type of footwear: Flip flops

Draw lines to spots touched



Eyelid tremors

PUPIL SIZE	Room light 2.5 – 5.0	Darkness 5.0 – 8.5	Direct 2.0 – 4.5
Left Eye	6.0	7.5	6.0 – 7.0
Right Eye	6.0	7.5	6.0 – 7.0

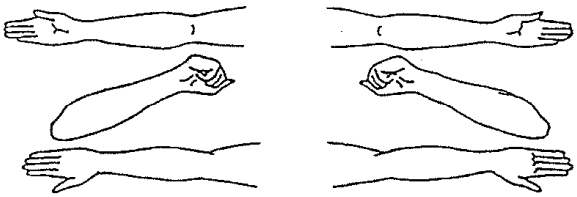
Nasal area: Clear

Oral cavity: Green coating on tongue

REBOUND DILATION: ☒ Yes ☐ No

REACTION TO LIGHT: Normal

RIGHT ARM **LEFT ARM**



Nothing observed

Blood pressure: 140/96

Temperature: 98.8

Muscle tone: ☒ Normal ☐ Flaccid ☐ Rigid

Comments:

What drugs or medications have you been using? "Nothing man."	How much? N/A	Time of use? "I didn't."	Where were the drugs used? (Location) "I ain't saying."
Date / Time of arrest: 06/18/10 2005	Time DRE was notified: 2045	Evaluation start time: 2130	Evaluation completion time: 2240	Precinct/Station:
Officer's Signature:	DRE #: 9532	Reviewed/approved by / date:	

Opinion of Evaluator: ☐ Rule Out ☐ Alcohol ☐ CNS Stimulant ☐ Dissociative Anesthetic ☐ Inhalant ☐ Medical ☐ CNS Depressant ☐ Hallucinogen ☐ Narcotic Analgesic ■ Cannabis

DRUG INFLUENCE EVALUATION NARRATIVE

Suspect**:** Wright, James B.

1. **LOCATION:** The evaluation was conducted at the West Precinct of the Seattle P.D.

2. **WITNESSES:** Sergeant Robert Sharpe, Washington State Patrol.

3. **BREATH ALCOHOL TEST:** Wright's breath test was a 0.00%.

4. **NOTIFICATION AND INTERVIEW OF THE ARRESTING OFFICER:** Writer was on duty at the West Precinct when contacted by Officer Jon Huber requesting a drug evaluation. Officer Huber advised he arrested Wright after his vehicle struck another vehicle on Highway 99 north of Seattle. There was an odor of marijuana coming from the suspect's vehicle. He had poor balance and coordination and was unable to perform the SFST's as directed. A small pipe containing marijuana residue was located in the suspect's vehicle.

5. **INITIAL OBSERVATION OF SUSPECT:** Writer first observed the suspect in the interview room at the jail. He was very relaxed and carefree acting. He had poor coordination and balance and his speech was slow and deliberate.

6. **MEDICAL PROBLEMS AND TREATMENT:** None noted or stated.

7. **PSYCHOPHYSICAL TESTS:** Romberg Balance: Suspect had an approximate 2" circular sway and estimated 30 seconds in 38 seconds. Walk & Turn: Suspect lost his balance during the instructions stage, started walking too soon, raised his arms for balance and failed to touch heel to toe five times on the first nine steps and on all his steps during the second nine steps. One Leg Stand: Suspect swayed while balancing, used his arms for balance and put his foot down twice while standing on the left foot and once while standing on the right foot. Finger to Nose: Suspect missed the tip of his nose on three of the six attempts and exhibited eyelid tremors.

8. **CLINICAL INDICATORS:** Suspect had a lack of convergence. His pupils were dilated in room light and direct light. He also had rebound dilation. His pulse and blood pressure were above the normal ranges.

9. **SIGNS OF INGESTION:** The suspect had a green coating on his tongue.

10. **SUSPECT'S STATEMENTS:** Suspect denied using drugs.

11. **DRE'S OPINION:** In my opinion Wright is under the influence of Cannabis and unable to operate a vehicle safely.

12. **TOXICOLOGICAL SAMPLE:** The suspect provided a blood sample.

13. **MISCELLANEOUS:** The suspect was also charged with possession of marijuana.

Rev. 10/10

Topics for Study

1. What is the active ingredient in Cannabis?

2. Why are the Walk and Turn and the One Leg Stand tests excellent tools for recognizing persons under the influence of marijuana?

3. What is Marinol?

4. What is Sinsemilla?

5. Name two important metabolites of THC, and describe how they affect the duration and perception of the effects of Cannabis.