

## LESSON PLAN

Course: Dental Hygiene Pharmacology Class Asynchronous	Topic: Recreational Drug Use	Audience: Adult Senior Dental Hygiene Students Online Class
Needed Materials: PowerPoint Projector Handouts	Needed Personnel: none	Total Time: 50 minutes

**OBJECTIVES:** Upon completion of the lecture, the student should be able to:

1. Name the different categories of recreational drugs.
2. Classify common recreational drugs.
3. Determine the different types of oral health effects.
4. Evaluate office procedures for patients that use recreational drugs.
5. Suggest methods to aid in oral health for patients that use recreational drugs.

### INSTRUCTIONAL SET:

**TOTAL TIME FOR INSTRUCTIONAL SET:** \_\_5\_\_ minutes

#### Introduce Topic:

The use of recreational drugs can affect a person's ability to make decisions and cause a medical emergency. We must understand the effects of recreational drug use when treating patients, and it is essential to know if a patient uses recreational drugs before their dental appointment.

#### Establish Mood:

By attending today's lecture, you show commitment to understanding why there is a risk of treating patients while under the influence of drugs. Being aware can help you prevent medical emergencies and ensure patients are giving informed consent for their procedures.

#### Gain Attention/Motivate:

If you had a patient sitting in your chair, would you recognize the signs of being under the influence of recreational drugs? If so, what steps will you take?

#### Establish Rationale:

By understanding the effects that recreational drug use can cause while treating patients in the dental office, you will play a vital role in reducing the risk of a medical emergency.

#### Establish Knowledge Base:

Have you ever tried recreational drugs? Do you know anyone that uses recreational drugs? Do you think you will be able to recognize someone that may be under the influence of recreational drugs?

## LESSON CONTENT:

**TOTAL TIME FOR LESSON CONTENT: \_38\_\_ minutes**

### What I Do (Lecture):

#### I. Catagories

- A. Stimulants
- B. Narcotic Analgesics (Opioids and Opiates)
- C. Hallucinogens
- D. Depressants

#### II. Common Recreational Drugs

- A. Cocaine
- B. Marijuana
- C. Methamphetamine

#### III. Health Effects and Care

- A. Oral Health Problems and the Addict
- B. Oral Health Problems and Rehabilitation
- C. The Health Care System

#### IV. Treating the Patient

- A. Asking the Question-The Dental Hygienist
- B. Pain relief
- C. Treatment

#### V. After Care

- A. Motivational Interviewing
- B. Patient services
- C. Legal

**SUMMARY/CLOSURE:** I hope you now understand your role when seeing patients who use recreational drugs. I hope that today's lecture taught you that it is essential to ask your patients if they use recreational drugs when reviewing medical history. You should be able to name the categories of recreational drugs and understand their classification; this will help you know what your patient may be experiencing if they are under the influence when coming to see you for dental treatment. You should understand the effects of drugs on the oral cavity and measures

that we can take to help patients who use recreational drugs. Remember, drug use 24 hours before dental treatment can cause a medical emergency. Some patients may use recreational drugs before dental procedures to help control their anxiety, while others may have an addiction, so don't be afraid to ask questions. Remember, it is also vital to provide support to assist patients that use recreational drugs.

I hope you will be more comfortable asking patients about drug use and treating patients with dental-related problems from drugs.

ASSIGNMENT: To learn more and expand your knowledge, you should:

1. Read handout given
2. Check online resources
  - a. [www.drugabuse.gov](http://www.drugabuse.gov)
  - b. [jnnp.bmj.com/content/75/suppl\\_3/iii9](http://jnnp.bmj.com/content/75/suppl_3/iii9)
  - c. <https://www.drugabuse.gov/nidamed-medical-health-professionals/science-to-medicine/screening-substance-use/in-dental-setting>
3. Review journals on drug addiction

**TOTAL TIME FOR CRITICAL THINKING ACTIVITY: \_7 \_ minutes**

Class Discussion- The discussion will be posted as an online discussion topic. The students will have a scenario of a patient who comes into the office and has taken recreational drugs before their appointment. The patient will also have a smell of alcohol. I will post vitals, give past medical history, and state that the patient has expressed anxiety. I will also include information that does not relate to the case. Each student will have to write a paragraph (5 sentences or more) explaining how they will treat the patient from the start of their appointment until dismissed. The student will also need to explain what instructions they will give the patient after their visit. Once the student posts their answer, students must respond to two of their classmates. When the students respond, they will need to discuss what they agree with, disagree with, and contribute suggestions.

#### **ASSESSMENT:**

**1. Objective #1:** Describe the effects of recreational drugs.

Test Item: An example of a Depressant is

- a. Increase heart rate
- b. Sense of relaxation
- c. Elevates temperature
- d. Induce euphoria

**2. Objective #2:** Name the different categories of recreational drugs.

Test Item: All of the following are recreational drugs **EXCEPT** one. Which one is the **EXCEPTION**?

- a. Cocaine
- b. Marijuana
- c. Tylenol
- d. Methamphetamine

**3. Objective #3:** Determine signs and symptoms of recreational drug use.

Test Item: All of the following are signs of a currently intoxicated marijuana user **EXCEPT** one. Which one is the **EXCEPTION**?

- a. Increased anxiety
- b. Paranoia
- c. Low heart rate
- d. Xerostomia

**4. Objective #4:** Evaluate office procedures for patients that use recreational drugs.

Test Item: Marc presents to the dental office with pain and swelling on the left side of his mouth. He states that he is nervous and took something to help him relax. After taking his vitals, you record his temperature at 100.3, blood pressure at 150/100, and pulse at 130. The doctor determines he will need an extraction and ask you to provide an anesthetic with epinephrine, and he is going to give Marc a prescription for an opioid to help with the pain. Is this the appropriate treatment plan for Marc? Explain your answer.

**5. Objective #5:** Indicate a commitment to aid in oral health for patients that use recreational drugs

Test Item: In one paragraph (3-5 sentences), indicate your commitment to aiding in awareness to aid in the care for drug users.

**ANSWER KEY:**

- 1. b
- 2. c
- 3. c
- 4. No, this course of treatment can lead to a medical emergency. Marc has admitted that he used recreational drugs before his dental appointment. His vitals are elevated, and epinephrine can further increase his vitals, leading to tachycardia or death. Since Marc admits to using recreational drugs, the doctor should control his pain with a nonopioid pain medicine like Acetaminophen or Ibuprofen.
- 5. As a dental hygienist, I will take a CE course on the effects of drug use and how it relates to care in the dental office. I will read scholarly articles and stay current on new information. I will aid in implementing policies in places of employment to ensure drug users are treated with the standard for dental care. I will provide information to drug users to help them seek rehabilitation.

**REFLECTION:**

1. Regarding the logistics of planning a lecture, what did you notice about how **template lesson planning (lesson plan #2)** differs from **full-length lesson planning (lesson plan #1)**?
  - You do not include minor details.
  - It does not have a section for questions and answers.
  - It could lead to you missing information you want to discuss.
2. Which style of lesson planning is your preference **and why**? I like lesson plan 1.
  - Lesson plan 1 is more detailed; you are less likely to forget what you want to include in your lecture.
  - It is excellent for instructors beginning in their careers, it gives you step by step instruction of what you want to teach, notes to include and questions to ask.
  - It makes it easier to create a PowerPoint.

#### REFERENCES:

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\*\*\*This lesson plan template is a brief overview of a full-length lesson plan. It should provide a good understanding of an entire instructional set.