LESSON 1: *Thinking About the Study*

Activity 1B: Transforming Critical Thinking

General Article information

Name of Study:
The Effects of Extended Pre-Quit Varenicline Treatment on Smoking Behavior and Short-Term Abstinence: A Randomized Clinical Trial

First Author:

Funders:

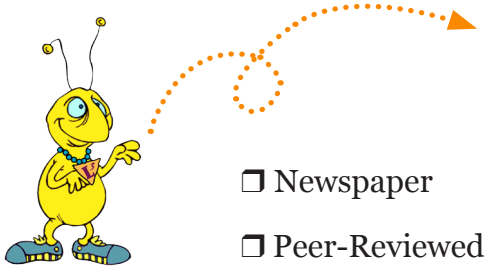
Information Source:

Disclaimers/Disclosures:

Health Science Content:

Describe the subjects or participants in the study:

Purpose of study:



DESIGN OF ARTICLE

❒ Newspaper ❒ Magazine

❒ Peer-Reviewed Journal ❒ Web Article/Blog

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Understanding Nicotine Addiction & Varenicline Study

What is ***Varenicline***?

What is the ***standard dosage*** of Varenicline?

How does nicotine ***affect*** the ***functions*** of the ***nervous system***?

What is ***Nicotine***?

What makes nicotine so addictive?

Why was a ***randomized clinical trial*** an appropriate method for this study?

What was the ***outcome*** of the study?

Write two ***inferences*** on why you think the scientists conducted this study?

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Words to Define:

_____

_____

_____

Study Design

Transformation Checklist: Type of Investigation (Check all that apply)

❒ Descriptive investigation:

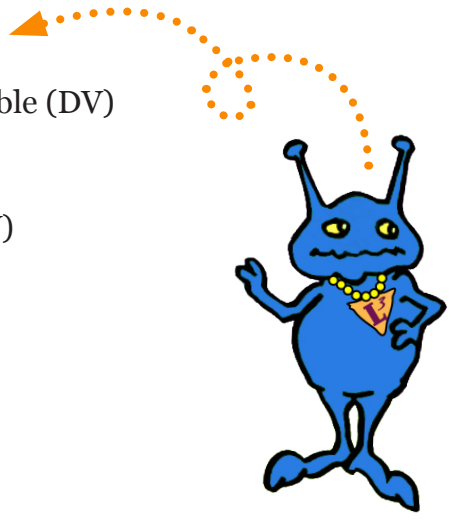
- ❒ Collection of quantitative data
  - ❒ Used words that explain ***measurements***
- ❒ Collection of qualitative
  - ❒ Used words that are ***descriptions***

❒ Comparative investigation:

- ❒ Collection of data on a variety of objects/organisms or features
- ❒ Compares similarities and differences

❒ Experimental Investigation:

- ❒ Has independent variable (IV) and dependent variable (DV)
- ❒ Manipulates a variable
- ❒ Outcome is determined by independent variable (IV)



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Identify Variables in the Study using an IV C DV Chart

An IV C DV chart is used to help identify the independent variable (IV), the constants (C), and the dependent variable (DV) in an experiment. There can only be one item in the IV column and one item in the DV column. There may be multiple Constants (things that do not change during the experiment).

Using the information from the Transformation, complete the IV C DV chart:

IV	Constants	DV