

FOLLOW THE DIRECTIONS TO GENERATE A GREAT HYPOTHESIS!

Received: Jan. 19, 2021

Accepted: Jan. 19, 2021

Ilke Coskun Benlidayi^{1*} <http://orcid.org/0000-0001-6517-5969>

¹ Department of Physical Medicine and Rehabilitation, Cukurova University Faculty of Medicine, Adana, Turkey

*Corresponding author:

Associate Prof. Ilke Coskun Benlidayi, MD., Department of Physical Medicine and Rehabilitation, Faculty of Medicine, Cukurova University, 01330, Adana-Turkey.

E-mail: icbenlidayi@hotmail.com

Keywords: Hypothesis, Medical Hypothesis, Research, Research and Development

How to cite: Coskun Benlidayi I. Follow the directions to generate a great hypothesis! Cent Asian J Med Hypotheses Ethics 2020;1(2):161–163. <https://doi.org/10.47316/cajmhe.2020.1.2.11>

Generating a good hypothesis is of utmost importance in research practices. As the working tool of theory, a good hypothesis not only gives direction to the research but also provides the researchers with clear conclusions. The hypothesis should be explanatory, specific to the point, concise, realistic, and testable [1].

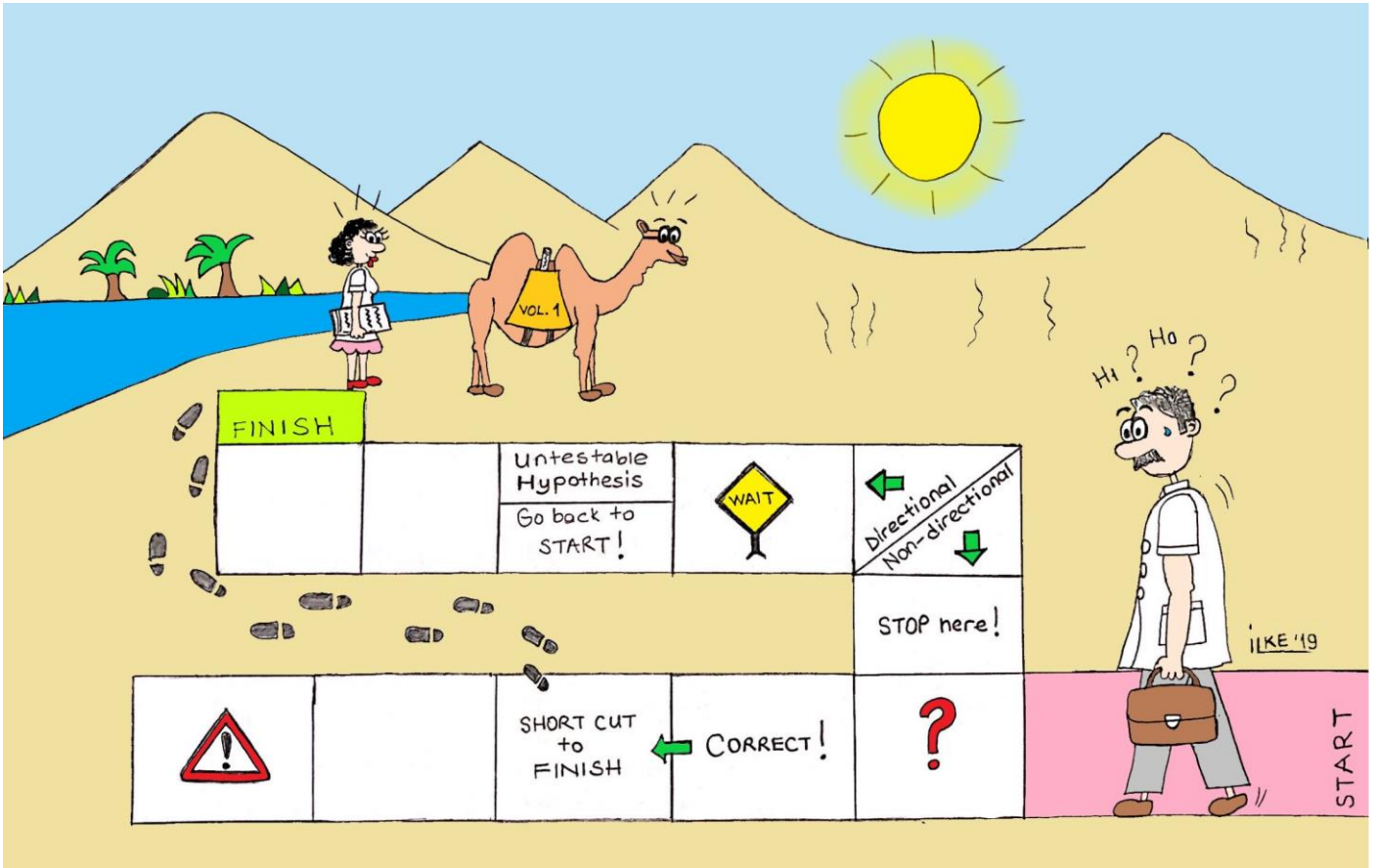
The researchers should take several steps in order to generate a proper hypothesis. The first step in this 'long journey' is creating a research question. The research question should be based on a logical and reasonable problem [2]. This question, thereafter, is transformed into a hypothesis. The researchers develop null and alternate hypotheses characterizing the research question. The

alternate hypothesis can be set as point, directional, or non-directional [3]. The directional hypothesis indicates the direction of the expected results, while the non-directional hypothesis does not specify any definite direction [2]. At this step, the hypothesis should be developed by taking the methodology of the research (qualitative or quantitative) and the design of the trial (non-inferiority, equivalence, or superiority) into account [1, 3].

Following the directions properly will ensure a specific and testable hypothesis. Reaching the 'finish point', researchers are now ready for testing their newly developed hypothesis...

REFERENCES

1. Mourougan S, Sethuraman K. Hypothesis development and testing. IOSR J Business Manage (IOSR-JBM) 2017;19(5):34-40.
2. Toledo AH, Flikkema R, Toledo-Pereyra LH. Developing the research hypothesis. J Invest Surg 2011;24(5):191-194.
3. Nizamuddin SL, Nizamuddin J, Mueller A, Ramakrishna H, Shahul SS. Developing a Hypothesis and Statistical Planning. J Cardiothorac Vasc Anesth 2017;31(5):1878-1882.



КЕРЕМЕТ ГИПОТЕЗА АЛУ ҮШІН НҰСҚАУЛАРДЫ ОРЫНДАҢЫЗ!

Дәйексөз үшін: Бенлайда И.К. Керемет гипотеза алу үшін нұсқауларды орындаңыз! Медициналық гипотеза мен этиканың Орта Азиялық журналы. 2020; 1(2): 161-163
<https://doi.org/10.47316/cajme.2020.1.2.11>

СЛЕДУЙТЕ УКАЗАНИЯМ, ЧТОБЫ ПОЛУЧИТЬ ОТЛИЧНУЮ ГИПОТЕЗУ!

Для цитирования: Бенлайда И.К. Следуйте указаниям, чтобы получить отличную гипотезу! Центральноазиатский журнал медицинских гипотез и этики. 2020; 1(2): 161-163
<https://doi.org/10.47316/cajme.2020.1.2.11>