CAN OXYGEN LEVEL BE THE CAUSE OF INTEREST IN STUDY

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ABSTRACT

Blood oxygen level is actually the amount of oxygen in our arteries. We can also measure oxygen level from blood sample. In this project we correlate blood oxygen level with study loving. Some people took interest in study or some are not interested in study. The main purpose of this study is to correlate blood oxygen level with study likeliness. Peripheral oxygen saturation (SpO_2) is a method measuring oxygen saturation level with a pulse oximeter device. Statistical analysis was performed by using M state software.

Keywords: Blood oxygen level, finger, oximeter, lung etc.

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INTRODUCTION

Blood oxygen level is actually the amount of oxygen in our arteries. We can also measure oxygen level from blood sample. We can also measure our blood oxygen level by using pulse oximeter; we simply put our finger onto the end of this device. Our blood oxygen ranges from 95 to 100 % .oxygen level less than 90 may be dangerous. Low oxygen level may cause weakening of our muscles of heart. It may cause high blood pressure; heart attack may occur due to sudden change in our oxygen level. We can say high blood pressure is silent killer. Several lung diseases may which may be acute or chronic i.e. pulmonary fibrosis, emphysema and COPD (chronic obstructive pulmonary disease) which affect our health. These may be controlled by maintaining blood oxygen level. Blood oxygen level is of great importance for our good health, it should be 95 to 100.It should not below than 90.Another name for blood oxygen test is blood gas test. Any disturbance in oxygen and carbon dioxide level indicate our lungs are not working well.

In this project we correlate blood oxygen level with study loving. Some people took interest in study or some are not interested in study. Ratio of these people is of great importance. We will calculate amount and

percent of these people. Blood oxygen level affects our health so ratios of people who are study lover or not are vary. Oxygen level also varies from person to person. Some may have below 90.But should be from 90 to 100.

Objective:

The main purpose of this study is to correlate blood oxygen level with study likeliness.

Material and Method:

Measurement of Peripheral Oxygen Saturation

Peripheral oxygen saturation (SpO$_2$) is a method measuring oxygen saturation level with a pulse oximeter device. It is calculated with pulse oximetry as shown below:

$$S_{pO_2} = \frac{HbO_2}{HbO_2 + Hb}$$

In this equation, HbO$_2$ is oxygenated haemoglobin. While, Hb

Is deoxygenated haemoglobin.

Statistical Analysis:

Statistical analysis was performed by using M state software.

T-test was used to analyze the result.

p≤0.05 was considered as significant value.

RESULT

Table No.01: correlation of blood oxygen level (mean ± SD) with study likeliness.

Gender	People who are study lover	People who are not study lover	p-value
Male	95.74±4.57	93.2±6.09	0.03*
Female	91.4±6.08	94.2±6.6	0.05
Combined	94.1±5.5	94.7±6.85	0.61

P<0.05*

CONCLUSION

Hence, from this survey we observed that the result is non-significant. So, value is p>0.05. We can say that there is no relationship between oxygen level and study likeliness.

REFERENCES

Qadir MI, Malik SA (2010) Comparison of alterations in red blood cell count and alterations in hemoglobin concentration in patients suffering from rectal carcinoma undergoing 5-fluorouracil and folic acid therapy. Pharmacology online, Nl 3: 240-243.

Qadir MI, Noor A (2018) Anemias. Rare & Uncommon Diseases. Cambridge Scholars Publishing. Newcastle, England. ISBN: 978-1-5275-1807-0.

Qadir MI, Javid A (2018) Awareness about Crohn's Disease in biotechnology students. Glo Adv Res J Med Medical Sci, 7(3): 062-064.

Qadir MI, Saleem A (2018) Awareness about ischemic heart disease in university biotechnology students. Glo Adv Res J Med Medical Sci, 7(3): 059-061.

Qadir MI, Ishfaq S (2018) Awareness about hypertension in biology students. Int J Mod Pharma Res, 7(2): 08-10.

Qadir MI, Mehwish (2018) Awareness about psoriasis disease. Int J Mod Pharma Res, 7(2): 17-18.

Qadir MI, Shahzad R (2018) Awareness about obesity in postgraduate students of biotechnology. Int J Mod Pharma Res, 7(2): 14-16.

Qadir MI, Rizvi M (2018) Awareness about thalassemia in post graduate students. MOJ Lymphology & Phlebology, 2(1): 14-16.

Qadir MI, Ghalia BA (2018) Awareness survey about colorectal cancer in students of M. Phil Biotechnology at Bahauddin Zakariya University, Multan, Pakistan. Nov Appro in Can Study, 1(3): NACS.000514.2018.

Qadir MI, Saba G (2018) Awareness about intestinal cancer in university student. Nov Appro in Can Study, 1(3): NACS.000515.2018.