ISSN: 2755-0176

Journal of Cancer Research Reviews & Reports

SCIENTIFIC Research and Community

Research Article

Open Access

Novel QRN Substance Effect of Non Small Cell Lung Cancer Cells

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Received: April 13, 2024; **Accepted:** April 22, 2024; **Published:** April 30, 2024

Introduction

Cancer is a scary name even though it is named after an innocent animal, even called a disease. It has sought the door to many different ideas working to experience many other theories and treatment alternatives as a disease. Despite the drugs that are still used in many types of treatment, the only real death that cannot be prevented due to the disease is the end. I will not waste time listing the many different theories that have been described. The fact that my path crosses with many known theories for the formation of the disease does not prevent me from following a different path.

While I was working on all these, my search in the holy books in order to find a miracle opened some doors. While I was reading the created verses, my search for a remedy in the holy books (Torah, Bible, Qur'an, Avesta, Ginza, Vedas,Dhammapada) began

This is the reason why I put the name of one of the holy books that opened the door for a solution to this problem in this article (QuRaN- QRN substance) of course, more work is needed. I know this very well, but reading these holy books, all of which come from God, together in confirmation, opened the door to a very different method of reasoning, and made me see that many scientific approaches are found in these holy books.

In the beginning, the structure of the tissues that differentiate from the cellular atypia and the structures of the organs formed by their merger transforms the cellular differentiation into a more durable cell type by stimulating the system that triggers the structural disorder it encounters while performing specific operations. The mechanisms that can control this transformation show different needs, which creates two main needs

- Continuous Supply of Cell Defense Materials
- The continuation of the transformative effect (continuation of trauma) that provides the reproductive and transformation potential of the resistant cells formed, since the cells are constantly exposed to the lethal effect, threatens the life of the organism, making it necessary to transform into a cell type that never stops dividing, this cell is a cancer cell

(When the materials needed in the environment are formed, the transformation can occur, in which the situation improves, in fact, it is possible to explain it with a complex mechanism, but the best way to understand something is to reduce it to a form that can be understood by the child.)

When the products needed are provided, the old chemical balance is restored, otherwise every cell must continue to do its job, which is to keep the organism alive, even if it is uninterrupted. For this purpose, we have been examining and working on various studies and various sources for 11 years, and we determined the name that enabled us to find this substance as the name of the raw material of the study. Like all scientists, our aim is to wake up to a better world the next day and compete in goodness.

Material-Method

Quantification of cell viability and proliferation form the fundamental for numerous in vitro assays in response to external factors. An MTT assay is a colorimetric assay based on assessing the cell metabolic activity [1]. A549 Lung adenocarcinoma cell line was used to see the cytotoxic potential of a new drug for initial screening of apoptosis or necrosis. The biochemical mechanism behind the MTT assay involves NAD(P)H-dependent cellular oxidoreductase enzyme that converts the yellow tetrazolium MTT [3-(4, 5-dimethylthiazolyl-2)-2,5-diphenyltetrazolium bromide] into insoluble (E,Z)-5-(4,5-dimethylthiazol-2-yl)-1,3-diphenylformazan (formazan). The formed formazan can be dissolved with dimethyl sulfoxide (DMSO) to give a purple color with characteristic absorption at 540 nm. Intensity of purple color is directly proportional to the cell number and thus indicating the cell viability. We use MTT method evaluate QRN substance effect of A549 non-small cell lung cancer cell line.

Result

Mtt Analyse Result

The stock solution was diluted 1/500. 24-hour MTT results of the chemical(QRN) applied on the A549 non-small cell lung cancer cell line;Dose ranges of 5µM-200 µM were used from 1/500 working stock (Figure 1). With drug administration, the IC50 value was found to be 130 µM [2].

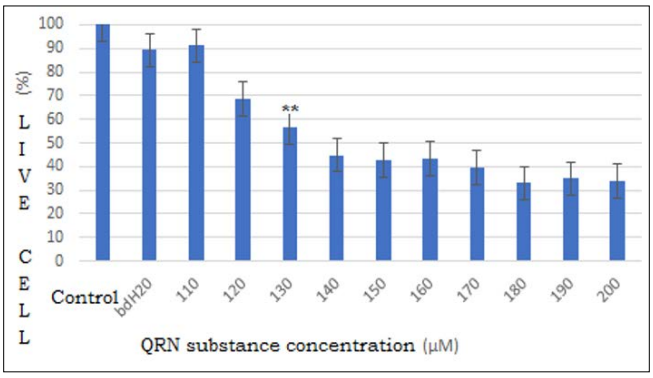

Table 1: Cell Count QRN Consentration

Cell Morphology Analyses

In order to examine the morphology of A549 cells, the time-dependent changes (24 s, 48 s, 72 s) of the control group and the drug-administered group were examined under an inverted microscope. On A549 cells; in cells with drug administration; Abnormal changes such as decrease in cell density and number, decrease in cell size and loss of cell extensions and transformation of cells into round shape were observed.

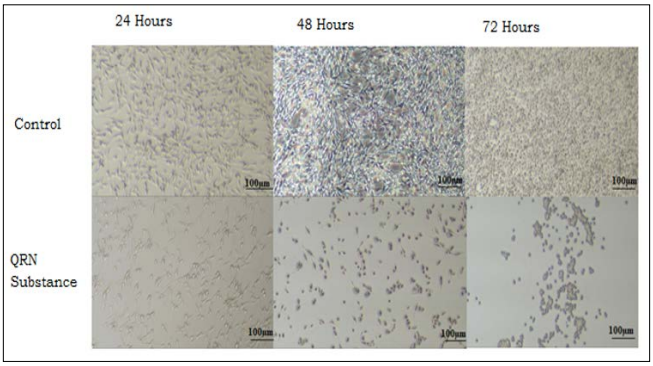

Figure 1: QRN Substance Effect Cell Morphology

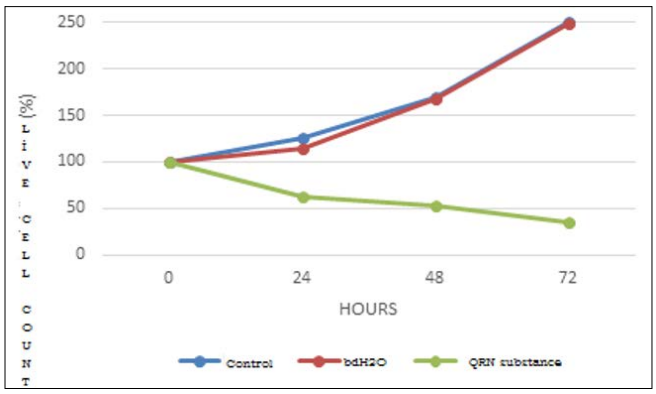

Table 2: Cell Count Effect QRN Substance

Wound Healing Experiment

In this experiment for cell-cell interaction and migration, the cell density of A549 lung cancer cells at wound width was recorded 24 hours, 48 hours, and 72 hours after drug treatment. It was observed that the migration rate of the cells treated with the drug was significantly reduced when compared to the control group. The wound width of the control group was recorded as 700.6 µm at the 0th hour, and it was observed that the wound width was completely closed at the end of the 72nd hour. At 48 hours, it was recorded as 402.16 µm in the control group and 972.91 µm in the drug-administered group. These results were evaluated as a decrease in cell proliferation and an increase in wound width with drug treatment depending on time in A549 cells.

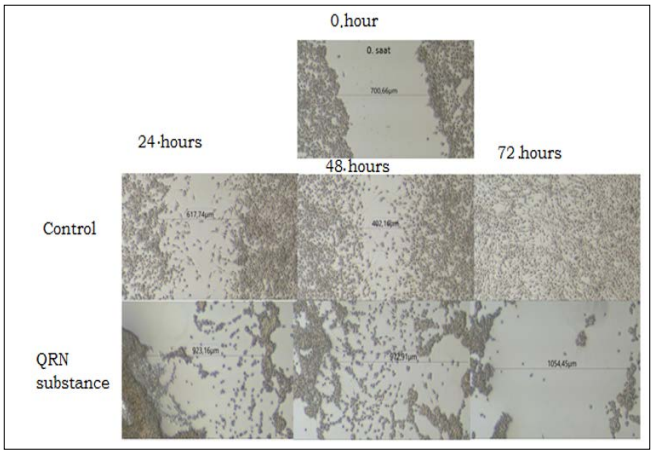

Figure 2: QRN Substance Healing Effect

Colony Formation Assay

It is an in vitro cell survival assay based on the metastatic effect of drugs in cells and the ability of single cells to grow in colonies. Cell proliferation of drug-administered A549 lung cancer cells decreased over time compared to the control group (Figure 3).

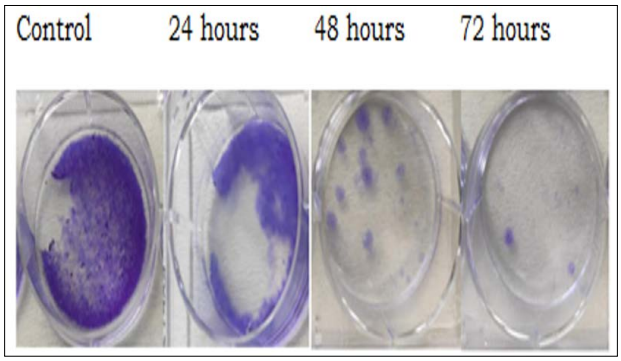

Figure 3: Cancer Cell Proliferation

Discussion

Cancer is still an incomplete treated disease with many treatment modalities.

For this reason, there is a need for new treatment and alternatives in the birth, formation and development stages in the treatment . Therefore, there is an urgent need for this and similar treatment studies. However, the study is the result of a study at the cell level only, and further analyzes are needed to become a treatment alternative on human.

References

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2. Kumar P, Nagarajan A, Uchil PD (2018) Analysis of Cell Viability by the MTT Assay Cold Spring Harb Protoc 1.