Acta Scientific ANATOMY

Volume 3 Issue 8 August 2024

Research Article

Hela Cells and Treatment of Cancer

Kunal Joon*

Noida International Institute of Medical Sciences, Haryana, India

***Corresponding Author:** Kunal Joon, Noida International Institute of Medical Sciences, Haryana, India.

Received: August 30, 2024

Published: September 27, 2024

Abstract

This research is about hela cells and use of it in the cancer and telomerase capping mechanism and lengthing of telomeres in the cancer cells and cure of cancer.

Keywords: Cancer; DNA Architecture Theory; HeLa Cells; Genetic Transplantation

HeLa cells were extracted from Lack cells and contain 76 to 90 chromosomes and are adenocarcinoma cells from cervical and these are perfect example of virus affecting the cancer cells [1].

This figure show HeLa cells and multiple division of the cells and this is immunofluorescence figure of HeLa cells [2].

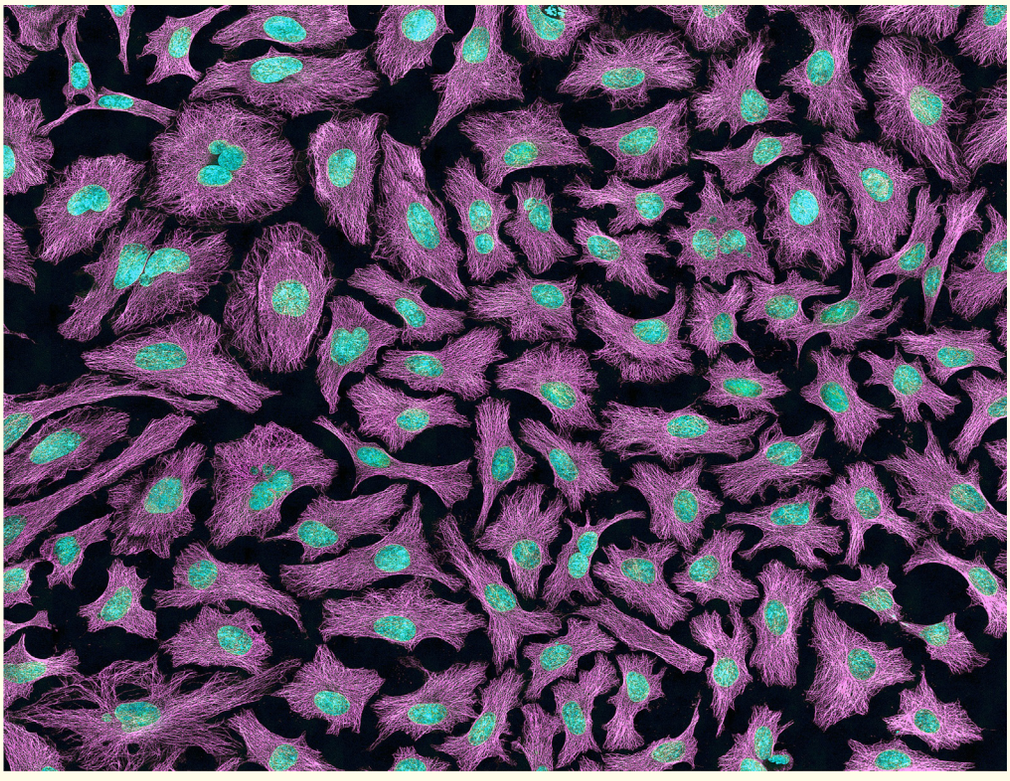

Figure 1

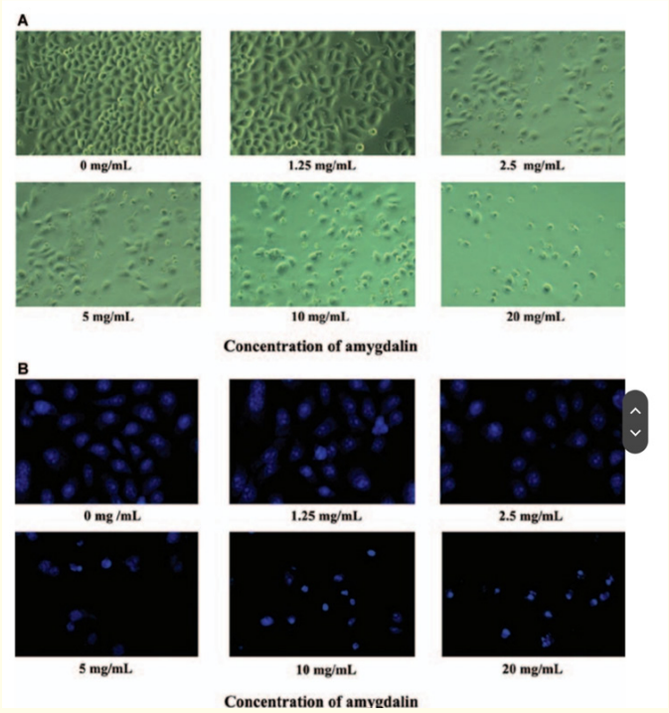

Figure 2

This figure shows the immunofluorescence of the hela cells and also cultured in [3] with amydgalin content and also typical microscopy with division characteristics of HeLa cells are shown [4].

Study carried on the HeLa cells containing amydgalin and caspase and showing apostosis with insertion of caspase 8 and graph are shown below in figure 3 on [5] different concentration of amydgalin [6].

Effect of amydgalin on the growth of HeLa cells.

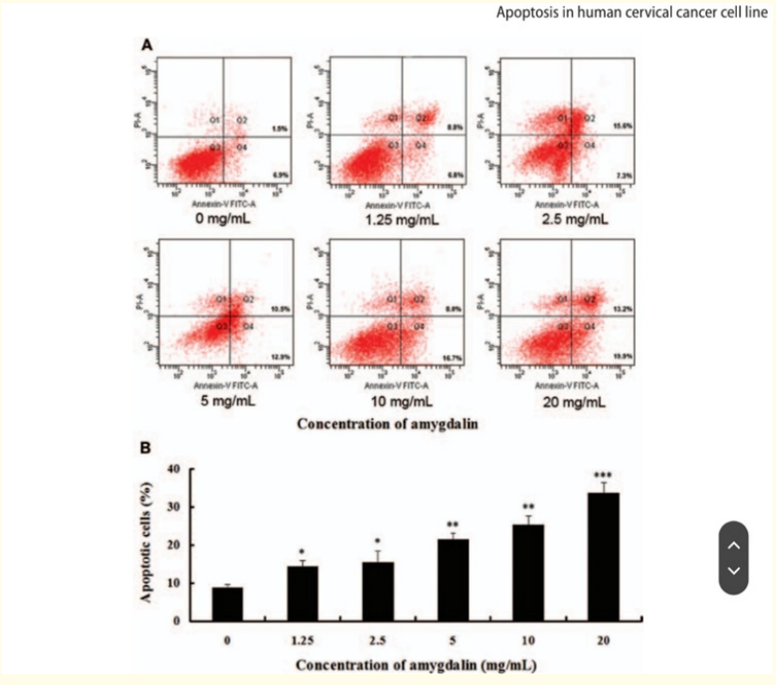

Figure 3

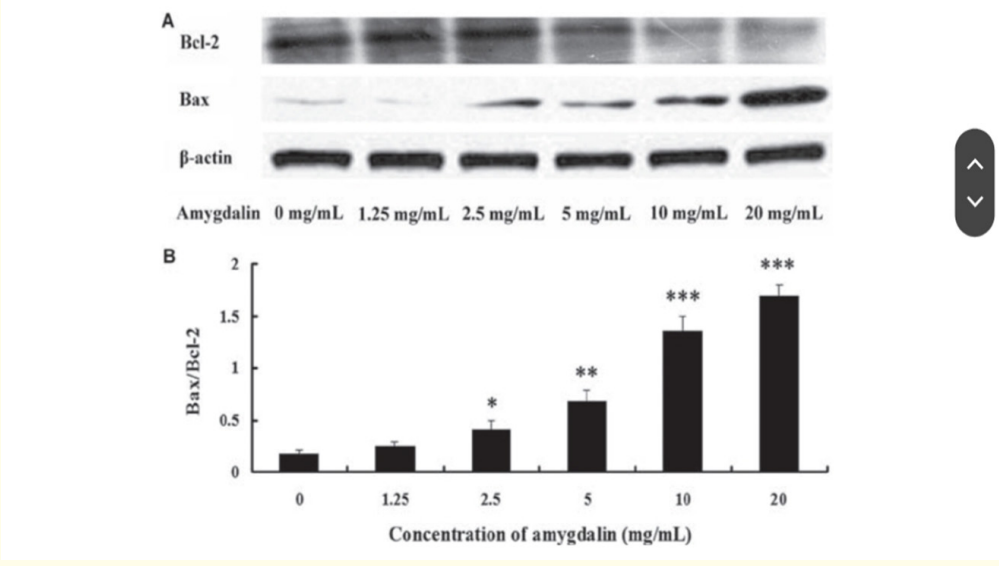

Figure 4

Given below figure 5 shows the concentration of amydgalin and growth of tumor.

In the figure below we have seen that the with increase in the the amydgalin concentration HeLa cells growth decrease and lead to expression of the apoptosis pathway and also leading to killing of tumor cells and even restricted growth of [7].

Usage of apoptoic gene fir cancer treatment.

Aim

Treatment of cancer.

Procedure

Use the apotopic gene and increase the synthesis of the caspase which lead to apoptosis in the cancer cell through gene induction method.

Secondly use the antibody which synthesize the caspase by inserting them the caspase synthesing gene and target them towards cancer cells used only in certain tumors leading to apoptosis and destruction of cancer cells (trial should be carried out).

Discussion

In this research we discussed about the cancer cell growth through HeLa cells and also studied that the cancer cells have lengthen telomeres and HeLa cells have caped telomeres on the chromosomes which prevent the cell from aging and dying and also studied effect of amydgalin in the cancer cells and HeLa cells how they slow down the growth of the cancer cells and also cure of cancer by two new methods we Discussed that is through genetically modified antibodies target specific secreting caspase activating caspase pathway.

Conclusion

New treatment method for cure of any time of cancer is genetically modified antibodies which secret the caspase and activate the apoptosis pathway.

Bibliography

1. https://embryo.asu.edu/pages/hela-cell-line
2. https://www.nature.com/articles/d41586-020-02494-z
3. https://www.hopkinsmedicine.org/henrietta-lacks/importance-of-hela-cells

4. https://www.sciencedirect.com/topics/immunology-and-microbiology/hela-cell-line

5. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3763245/

6. https://www.atcc.org/products/ccl-2

7. https://www.webmd.com/cancer/cervical-cancer/hela-cells-cervical-cancer