



# BIRD'S NEST EXTRACT

D R I N K



## BIRD'S NEST EXTRACT PROMOTES HUMAN STEM CELLS PROLIFERATION

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**1. ABSTRACT**

The present study aimed to investigate the ability of bird's nest extract (BNE) to promote the proliferation of human stem cells (hSCs). BNE was prepared from the dried bird's nest (BN) and was subjected to various chemical and physical treatments. The effect of BNE on hSCs proliferation was assessed by measuring the number of cells, cell cycle distribution, and gene expression. BNE treatment significantly increased the number of hSCs and promoted their proliferation. The effect of BNE on hSCs proliferation was also investigated by measuring the expression of stem cell markers. BNE treatment significantly increased the expression of stem cell markers. The results of this study suggest that BNE may be a potential source of stem cell growth factors. Further studies are needed to confirm these findings.

**2. INTRODUCTION**

The bird's nest (BN) is a well-known food which has a health enhancing effect and is used to support the immune system. BN is a rich source of various nutrients and has been used in traditional Chinese medicine for centuries. BN is composed of various proteins, amino acids, and minerals. BN is also a rich source of stem cell growth factors. BN treatment has been shown to promote the proliferation of human stem cells (hSCs). The present study aimed to investigate the ability of BNE to promote the proliferation of hSCs.

**3. OBJECTIVE**

The objective of this study is to investigate the ability of BNE to promote the proliferation of hSCs. The study will be conducted in two phases. In the first phase, the effect of BNE on hSCs proliferation will be investigated. In the second phase, the effect of BNE on the expression of stem cell markers will be investigated.

**4. METHODOLOGY**

BNE was prepared from the dried bird's nest (BN) and was subjected to various chemical and physical treatments. The effect of BNE on hSCs proliferation was assessed by measuring the number of cells, cell cycle distribution, and gene expression. The effect of BNE on the expression of stem cell markers was also investigated.

**5. RESULTS**

BNE treatment significantly increased the number of hSCs and promoted their proliferation. The effect of BNE on hSCs proliferation was also investigated by measuring the expression of stem cell markers. BNE treatment significantly increased the expression of stem cell markers.

**6. DISCUSSION**

The results of this study suggest that BNE may be a potential source of stem cell growth factors. Further studies are needed to confirm these findings.

**7. CONCLUSION**

BNE treatment significantly increased the number of hSCs and promoted their proliferation. The effect of BNE on hSCs proliferation was also investigated by measuring the expression of stem cell markers. BNE treatment significantly increased the expression of stem cell markers.

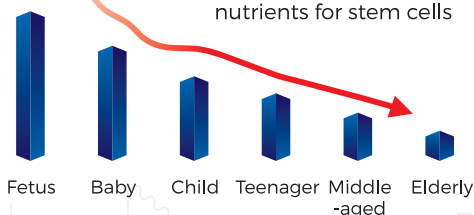
**ACKNOWLEDGMENT**

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## Number of Human Stem Cells

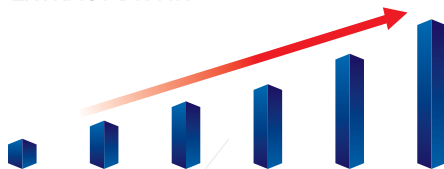
Reasons for human aging and degeneration:  
The number of stem cells decreases with age

Reasons for the decrease of stem cells:  
Not getting enough nutrients for stem cells



## The latest breakthroughs in stem cell anti-aging and medical treatment

Modern precision medicine technology, extracted from bird's nest for the first time can enhance the growth and repair ability of human stem cells; **SF BIRD'S NEST EXTRACT DRINK**





## 5 Major Effects



Improve skin cell vitality and repair appearance, leaving skin smooth and elastic.



Enhance brain cell activity and memory, improve brain aging.



Improve human immune function and enhance the lethality of immune cells against viruses and cancer cells.



Improve cell repair ability and accelerate wound healing.



Enhance the body's antioxidant capacity, anti-aging, and promote longevity.

# ABOUT GLYCOFOOD

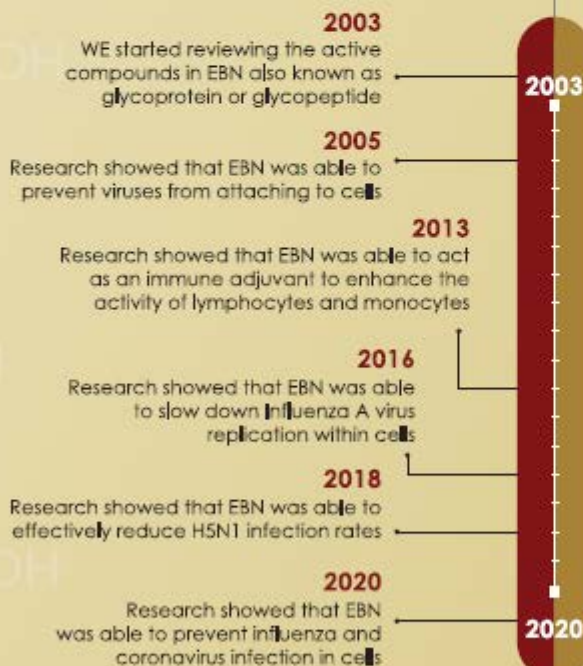
18 year R&D introduction Dr Chua

## PROF. CHUA KIEN HUI

Prof. Chua Kien Hui is currently teaching human medical physiology in Medical Faculty of the National University of Malaysia. He is in the National Scientific Committee for the Ministry of Science, Technology and Innovation (MOSTI) as well as Ministry of Higher education Malaysia (MOHE). Currently he is the Editor in chief for Regenerative Research Journal and editorial board member for Medicine & Health Journal.



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