

Introduction

It is my pleasure to be invited by defytyme Science to share my clinical experiences on telomere science and related treatments. The studies are based on my core practice in integrative naturopathic medicine which upholds the principles of non-invasiveness, holism and education.

Relevant Period

The relevant period of the survey and studies in this article is - Sep 2018 to April 2020

Subjects / specialties covered in the article:

Telomere, Telomere Analysis Technology (TAT) telomerase, human chromosomes, placenta, cellular - peptide therapy, anti-aging, aging reversal and preventive healthcare.

Background:

Telomere science has been a Nobel Prize winning field that attracts many top scientists and doctors around the globe. Among these experts, Dr Bill Andrews is one of the principal discoverers of both the RNA and protein components of human telomerase, and was awarded 2nd place as National Inventor (1997) in USA.

Telomeres are repeated sequences of DNA, along with their associated proteins, at the ends of each chromosome. Telomeres protect chromosomes from damage to the ends and play a role in gene regulation throughout the chromosome. However, each time human cells divide and chromosomes replicate, the telomeres become shorter and when they reach an average of about 5,000 nucleotides, human cells cannot divide any further, and as result we die of old age.

Telomerase is a naturally occurring ribonucleoprotein enzyme which is ideally able to elongate telomeres. Unfortunately, human chromosomes also carry a gene (or genes) that function as "telomerase repressors", a restrictive factor that limits telomerase expression in all our cells except our reproductive cells and in a majority of tumor tissues. Yes! Sadly, telomerase activity is not detected in most somatic cells which contain a regulatory factor(s) to repress this activity. The mechanisms that turn on or maintain telomerase expression in tumor / cancer cells "always involve mutations that provide different ways for telomerase gene repression to be deregulated. And, these mutations are usually induced by the short telomeres. So, cancer can be considered a short telomere disease" as Dr. Andrews explained.

In addition, numerous scientific studies have shown that many other diseases like Cardiovascular, Tuberos Sclerosis, Alzheimer's, Rheumatoid Arthritis and Macular Degeneration etc. are induced by telomere shortening too.



Fortunately, the telomerase gene already exists in all our cells. Dr. Andrews PhD (Sierra Sciences, LLC.) in 2014 developed a substance "Telomerase Activation Molecule 818 (TAM)," a molecule that activates the telomerase gene leading to younger and healthier cells. Studies have shown that by using and taking supplements containing the telomerase inducing activator TAM, cell basic strength will be improved, telomeres will be increased and telomere shortening will be reduced.

It has been my honor to work with Dr. Andrews, being his designated doctor in Hong Kong. I completely agree with Dr. Andrews' assertion that "aging is a disease" with no reservation and I am very devoted to this health revolution - to optimize human youthful lifespan. Below are four case studies of my patients with different lifestyle and health conditions.

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端粒酶啟動因子「TAM818」 (安德魯博士和科學家團隊經歷四十多年的研究和分析超過40萬種地球物質的科研成果) 能啟動端粒酶基因，從而讓人類細胞變回年青健康 (逆齡)

「逆齡」和「抗衰老」的真正定義:

端粒延長(逆齡)和延緩端粒縮短的速度 (抗衰老)

「老化」是一種疾病 - 安德魯博士

而這個疾病現在已經可以有效處理

端粒醫學的全球性卓越療效發佈

一個吸引全球最頂尖科學家以及醫學專家的「諾貝爾獎」級熱話

這個專科領域的世界公認權威 Dr. Bill Andrews 比爾·安德魯博士，因為成功發現了人類端粒酶的蛋白結構，所以獲得了美國國家發明家獎(1997)

端粒位於我們細胞核裏的染色體末端，扮演著維持與調節我們基因的功能的重要角色！

很可惜我們的端粒不斷地變短和耗損，而一旦端粒變短至五千個核苷酸單位時，人類細胞便不能再分裂！結果就是我們因年老(功能衰退)而死亡！

不斷有科學研究發現，很多疾病例如：各種癌症、心血管疾病、腦退化、肝硬化、關節炎、免疫系統疾病等等，都是由端粒變短誘發的！

幸運地我們的細胞內，是存在著端粒酶基因的。

Appendix ONE

人體端粒酶的「發現人」



William Henry "Bill" Andrews



"The Man Who Would Stop Time"

如今，人體端粒酶「發現人」比爾·安德魯博士獲得了人類科學界所罕見，以兩級諾貝爾獎獎金為榮的諾貝爾獎。

和安德魯博士的端粒酶科學發現，使得這世界在不久將來得以實現。



Clinical Studies on Telomere Science and Treatments - by Dr. Avax Chan

Clinical Case 1

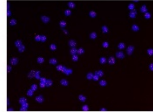
Patient: Ms. W Age: 50 Gender: Female City: Hong Kong

Ms. W is a housewife with overall good health condition, sporty lifestyle, no specific disease and health complain according to her regular full medical checkup and alternative holistic assessment at my clinic.

Ms. W has been following my recommendation on regenerative medicine since 2018 to receive cellular therapy integrated with nutraceuticals like colostrum and other growth factors.

As per my advice, Ms. W took a highly accurate telomere length test – Telomere Analysis Technology (TAT), using the HT Telomere Length Quantification Method or its full name as High-throughput (HT) Quantitative fluorescence in situ hybridization (Q-FISH).

Her first TAT test was taken in Feb 2019, followed up by taking TAM spray supplement since March 2019 for a quarter plus period. She was further recommended to take TAM capsule supplement for another three months. In addition, an organ specific nano cell peptide therapy (fetal total - a combo that include 220 + types of cell extracts) was integrated into the treatment together with various growth factors for anti-aging.



Comparison:

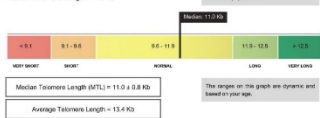
Median Telomere Length

According to the TAT report on 25th Feb 2019 Ms. W's Median Telomere Length was "11.0 Kb" whereas the report on 17th Nov 2019 (9 months interval) shown the Length of "10.6 Kb":

More data from regular follow up tests is required to compare and conclude the efficacy of the treatment aim – to decrease the rate of shortening. Control of expectation gap from patient should be emphasized here for Dr. Andrews has mentioned in his work that *gene therapy* must be applied for longer telomeres lengthening. This *permanent treatment* will be discussed further in my future research.

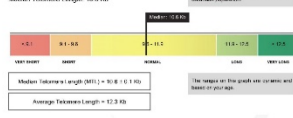
1. Your telomere length

Median Telomere Length: 11.0 Kb



1. Your telomere length

Median Telomere Length: 10.6 Kb



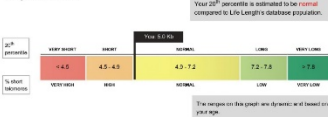
Significant Improvement on short telomeres

20th percentile / short telomeres:

TAT report on 25th Feb 2019 shown Ms. W's 20th percentile: 5.0 Kb which was just marginally able to fall into the normal range. It should be highlighted that short telomeres are correlated to and serves as an indicator of cancer risk, the shorter the higher. Impressively, the subsequent TAT test taken on 17th Nov 2019 shown her 20th percentile at "6.2 Kb", which has become far closer to the longer side among the normal range. Such increment is encouraging and worth studying further.

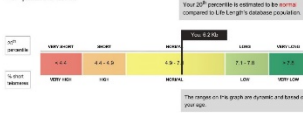
Your 20th percentile / short telomeres

20th percentile: 5.0 Kb



Your 20th percentile / short telomeres

20th percentile: 6.2 Kb



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案例二 長期風疹女患者個案

患病者療程在加入端粒治療半年後效果顯著，患病者的個人見證分享 (超過150為聽講者):

「我很有信心地和各位分享，自聽從了我的醫生在治療期間加入端粒酶啟動因子補充劑後，現在我的情況已經有超過95%的痊癒了！」

個案三 大中華區

年青的企業家，接受端粒治療的主要目的和動機是為了美顏抗衰老，和重獲體適能的最佳狀態

接受治療者的分享如下:

陳子賢博士發表的臨床端粒醫學文章 (並得到了安德魯博士的認可和嘉許):

個案一

50歲的女病人通過最精密的TAT端粒檢測發現 - 她「20%的最短端粒群」在短短的八個月端粒及細胞療法的療程期間 - 由5.0kb (僅僅只可以列入正常的臨界點)延長至6.2kb (激增至正常值的靠右偏長數值)

這是一個非常重要的發現和引證 - 因為「最短端粒群」與患癌的風險是有直接的互為關係! (越短癌風險越高)

Clinical Studies on Telomere Science and Treatments - by Dr. Avax Chan

Clinical Case 2

Patient: Ms. S.W. Age: Private Gender: Female City: Hong Kong

Ms. S.W. is a financial professional who has a chronic issue of urticaria. It was complained that this health problem has been a recurrent issue and affected her repeatedly over decade.

Ms. S.W. followed my recommended treatment with herbs and homeopathic medicine. She took my advice to add regenerative medicine of sheep placenta and plant placenta capsules into the treatment course as well. It was her feedback that the situation was alleviated quite significantly and yet the issue was expected by her to be healed completely. I advised her further to integrate TAM supplement into the treatment and a 6-month course was started in Nov 2018.



I received a positive feedback from Ms. S.W. thereafter, particularly when she shared her experience after my speech on Telomere Science to over 150 attendees at a financial planning company seminar event:

"I am quite confident to tell that my urticaria problem has now been almost >95% overcome after taking the advice from my doctor to add TAM supplement into my treatment course" asserted by Ms. S.W.



Clinical Case 3

Patient: Ms. ToTo Y. Age: 30s Gender: Female City: Jiangmen of Mainland China

Ms. ToTo Y. is my patient in China, a young entrepreneur who owns a national business of beauty and eyelashes perfection over various cities in China. ToTo main concern has been anti-aging, skin whitening and stress issues. She complained of feeling aging acceleration and fitness degradation.

ToTo followed my recommendation to take plant placenta and it was started in Jan 2020 that TAM supplement was integrated into the anti-aging and whitening treatment course that I prescribed to her.



Feedback written from her shown once again positive comments: "... after taking it for a period of time, friends of mine said my skin condition has improved... feeling my overall body condition is much younger than my age and my peer. I love this small sophisticated TAM capsules that I can put in my purse and beautify me as my wish!"

"有幸認識到陳博士，邀請到江門傳播簡單有效的美麗秘訣。踏入40歲的女人最恐懼的就是衰老了。所以我們除了保養好皮膚，好認同博士說的最重要還是愛身心的健康散發出來的才是真正的美麗。所以堅持一段時間後我的闺蜜們都說我皮膚飽滿了，整个人狀態也是比同齡人年輕有活力。愛上可以放在包包里可隨時補充的美麗端粒膠囊。"

Being her healthcare partner, I could feel her joy and satisfaction.

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世界其它各地的案例和科研統計

美國 - 現年74歲的國際著名女影星、作家、健康演說家和企業家 – Susan Somer 蘇珊·薩默斯 (個人身價達一億美元)，在近期安德魯博士的端粒科技在美國和全球火熱爆期間，直言承認她已服用安德魯博士的端粒酶啟動因子 (從舊版的TA65到現在最新版的TAM818) 長達6年。

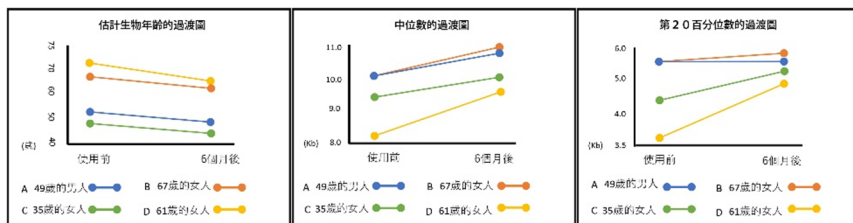
(端粒酶啟動因子TAM88比TA65強力88至300倍!)

日本 - 對端粒酶啟動因子TAM818的研究結果

TAM含有補充劑效果分析

- 使用補充劑6個月後進行端粒分析 -

含有端粒酶誘導劑“TAM”的補充劑，為了觀察連續使用口服液劑型“TAM Spray”和軟膠囊“TAM膠囊”的效果，使用Life Length所具有的端粒分析技術驗證了使用4個人6個月之前和之後的端粒分析。



關於估計的生物年齡，與使用前相比，所有四個人都在2.5至4.8歲之間恢復活力。

至於中位數，所有四個人都增加了，特別是C和D的伸長率更高。

至於第20百分位數，短距離附近人群的延伸率高於正常範圍內的人群。

Telomere Gene Therapy 永久性端粒酶基因啟動療程，已經成功進入人類的治療階段。



Liz Parrish小姐 - 49歲 (2020)，是第一位接受的永久性端粒酶基因啟動療程(2015)的人類個案，她細胞的端粒至今仍在延長中，身體的肌肉密度仍然在逆轉增長中。

defytime Telomere Total Solution

TAM Improve Biological Health!

Leading to younger and healthier cells

TAM Capsules

defytime **TAM Capsules**
Telomere Activating Molecule
Premier Nutraceuticals

Dietary Supplement 28 x 375 mg 0.013 oz Caps

TAM

Bill Andrews, Ph.D.
db
Bill Andrews
Telomere Lengthening Expert

Defytime Bill Andrews anti-aging dietary supplement with TAM counteracts and suppresses the fundamental cause of aging: Telomere Shortening.



端粒酶啟動因子TAM818「專科醫師版」 Premier Nutraceuticals

查詢

- 有關端粒醫學 - TAT檢測和TAM療程諮詢
- 醫生 / 中醫師 / 治療師 / 健康管理師 - 有意修讀端粒生物學和治療，成為國際認可端粒科學顧問



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