



Medical Journalist Report of Innovative Biologics

by Morton Walker, DPM

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Special Features of Oral, Homeopathic, Recombinant Human Growth Hormone (rhGH)

Are there any better examples of growing old while staying young than the film stars, 70-year-old Sean Connery and 75 year-old Paul Newman?

Do you know that a popular newspaper survey found women have judged Connery to be among the world's sexiest men, while Newman is the one person they most want to be with and know well?

Is there some common characteristic or practice or nutrient that makes these two film stars stand out as superior people?

Yes, both are using the same natural and nontoxic hormonal substance also consumed daily by the "father of human growth hormone," Howard Turney and some of his associates. They have been on the injectable form for some years and find the homeopathic sublingual kind works even better than injections.

Now these celebrities, for five days every week, ingest two or three doses of six drops of hand-succussed, oral, homeopathic, recombinant human growth hormone (rhGH). They take this homeopathic rhGH to acquire the special features of an extraordinary substance which offers the potential for prolonging youthfulness and extending one's active and healthy life expectancy.

John Tomlinson Discusses His Restored Potency

Telephoning from Inglewood, California and permitting me to tell his story, nutritionist John Tomlinson explains that before turning 66 he had been experiencing repeated bouts of erectile dysfunction. Potency had evaded him, and he was an unhappy man.

"I had been a smoker for 37 years and pursuing some other unhealthy lifestyle practices. Consequently, I developed a problem with erectile dysfunction. Even after trying a multitude of sexual stimulants, all kinds of herbs, those chilling penile injections, the inconvenient vacuum pump, and everything else one could think of, including Viagra™ I obtained very little results from them. Then, taking a homeopath's advice, I started squirting recombinant, homeopathic human growth hormone under my tongue. I had used it for about five months when I recognized a distinct difference in my erectile condition. I love it! I'm potent again! Homeopathic rhGH is just doing wonders for my potency. The product is phenomenal," Mr. Tomlinson says. "I have been applying it now as an oral spray for eight months. It absolutely has produced no adverse side effects, which I can't say about Viagra™. That highly expensive drug left me feeling headachy and spaced out.

"It happens that rhGH, over time, offers a good sexual response for men and women. In the tiniest of doses, this homeopathic recombinant human growth hormone works with your system. Really, it's just a great product," John Tomlinson assures me. "How and why it works makes for an interesting piece of reading which I anticipate you'll be writing, Dr. Walker." (Yes, see below!)

Enhanced Fertility from rhGH Usage

A self-employed video production specialist, 48-year-old Art Vanick of Manhattan Beach, California, describes how he and his wife, age 43, became fertile surprisingly fast after both of them began daily dosing with sublingual drops of homeopathic rhGH.

"I've recommended homeopathic human growth hormone to a married couple in their late thirties, some friends of ours who have undergone awful difficulties with making a baby. Going to a fertility clinic had done them no good," Art Vanick says. "But rhGH probably will help them fill their need, since that's what worked for us. It played a big part in my potency going way up; now I have a lot more 'lead in the pencil' than there used to be.

"Seeing that I responded so well to taking homeopathic rhGH, my wife decided to dose with it each day too. We wanted a second child, and it had taken us six years of trying before she conceived our first one, a little girl who is now four years old. We weren't really working at conception at all, but after only one month of us both taking the rhGH, my wife became pregnant. Both of us had become fertile, and I attribute this happy event to homeopathic recombinant human growth hormone," Mr. Vanick says.

How Diminished hGH Brings on Aspects of Aging

In middle and late adulthood all people experience a series of progressive alterations in the body's appearance and functions. Some of these disheartening changes involve unhealthy body composition, lack of stamina, decreased energy, loosened muscle tone, sleeplessness, weight gain, poor digestion, wrinkle formation, emotional instability, loss of libido, inadequate potency, and other aspects of aging.^{1,2} Because of the reduced availability of body-produced (natural) human growth hormone (hGH), these structural changes in the physiology have been considered unavoidable.³

After about the age of twenty-three, the secretion of hGH by the pituitary gland tends to decline. Such a decline is measurable indirectly by determining the plasma concentration of insulin-

like growth factor one (IGF-1), also known as somatomedin C. IGF-1 is produced and released by the liver and other tissues in response to hGH secreted by the pituitary gland.⁴ Less than 5% of healthy men twenty to 40 years of age possess plasma IGF-1 values below 350 units per liter (U/L), but in 30% of healthy men over age 60 the values fall much lower than this figure. Physical (not chronological) aging is the main determinant for insufficient quantities of hGH.⁵

Physiologists recognize that the nocturnal pulses (sustained releases) of hGH secretion become smaller or disappear with advanced age. If the plasma concentration of IGF-1 falls below 350 U/L in older adults, no spontaneous circulating pulses of hGH can be detected by any of the currently available radioimmuno-assay methods. This lack of detection supports the view that the decrease in IGF-1 and subsequent aspects of aging result from diminished human growth hormone secretion.⁶

Diminished secretion of hGH is accompanied not only by a drop in plasma IGF-1 concentration, but also by atrophy of the lean body mass, expansion of the adipose tissue mass (fat weight gain), and the many other characteristics of aging already mentioned. However, experiments in rodents,⁷ children,^{8,9} and both sexes of adults¹⁰⁻¹³ indicate that these alterations can be reversed by replacement doses of the hormone. This antiaging improvement had been accomplished as long ago as 1982.¹⁴

Today medically-administered growth hormone (GH) replacement is occurring frequently with many types of the hormone derived from animal sources such as pigs, cows, and sheep. But the danger with using animal hormone is that it could possibly produce an antigenic or carcinogenic reaction. Very real hazards are involved with giving or receiving intramuscular or subcutaneous injections of extracted growth hormone from porcine, bovine, or ovine gland sources.

While low-dose, long-term GH therapy can restore youthfulness or prolong life expectancy in mice, it's done with mouse hormone and not with material taken from other animals. The same goes for people. Another method had to be found for administering growth hormone to humans.

Beneficial Treatment with Recombinant Human Growth Hormone

Citing no published references, New York City author Gary Null, PhD, writes:

Results of one double-blind, placebo-controlled study showed that the administration of recombinant human growth hormone over a period of 26 weeks at doses of 0.01360.026 U/kg per day taken at bedtime by patients with adult-onset growth hormone deficiency led to improvements in body composition, fat distribution, bone and mineral metabolism, and psychiatric symptoms. Another study of 20 patients with adult-onset growth hormone deficiency who received doses of IU/m² per day over a period of one year produced similar results.

Studies have shown that growth hormone therapy at doses of 0.6 and 1.2 IU per day can increase serum insulinlike growth factors-one [IGF-1] to normal ranges following twelve weeks of treatment in growth-hormone-deficient adults.¹⁵

To back up Null's nonfootnoted statements, be aware of published research carried out between 1989 and 1996. It indicates that major improvements do occur from treatment received with recombinant human growth hormone for numbers of hGH-deficient hypopituitary adult men and women. Such patients undergo marked changes for the better in their extracellular body water, body fat mass (BFM), fat-free mass (FFM), cardiovascular risk factors, cardiopulmonary functions, bone metabolism, bone mineral density, and psychological sense of well-being from their being administered rhGH.¹⁶⁻²¹

Briefly described here are the beneficial effects on the physiology and quality of life for people taking rhGH treatment:

- a reduction in the waist-hip ratio resulting in –
- a decrease in body fat mainly in the abdominal depots;
- increase in lean body cell mass without extracellular water volume;
- no change in body weight because of less fat but more muscle;²²
- increases in protein synthesis without affecting proteolysis;^{23,24}
- stimulation of more muscle growth by increasing the number of muscle cells, rather than the size of each muscle cell;²⁵
- an increase in HDL cholesterol in both the short-term and long-term;²⁶
- a favorable decrease in diastolic blood pressure, but no change in the systolic pressure because of a simultaneous decrease in total peripheral blood flow resistance;²⁷
- improvement in exercise capacity and maximum oxygen uptake;^{28,29}
- positive response of muscle strength correlated to the increase in muscle mass;^{30,31}
- increased bone metabolism illustrated by greater serum concentrations of bone markers;^{32,34}
- increased bone turnover illustrated by greater osteocalcin and procollagen-III concentrations;^{35,36}
- an increase in the energy level, mood, concentration, memory, and general vitality because of rhGH passing through the blood-brain barrier.³⁷⁻³⁹

Homeopathy Applied to Recombinant Human Growth Hormone

Most readers of the *TL/DP* know the general concepts of homeopathy. They're aware that this scientifically proven system of healing logic should not be confused with "home remedies." Readers confirm that homeopaths utilize minute doses of specially prepared substances from the plant, animal, and mineral kingdoms which are nontoxic, have no known side-effects and are most commonly administered by dissolution in the mouth. With the likelihood of your knowing these truths and much more, it's not my intention to provide you with any sort of homeopathic dictionary or teaching curriculum here.

Instead, I want to inform you of a remarkable product that's newly available. It's a highly purified, pH balanced homeopathic human growth hormone made specifically for oral administration and not for injectable purposes. The water used for homeopathic dilution derives from five-stage reverse osmosis filtration with ultraviolet light irradiation for microbial elimination. As are most homeopathic remedies, alcohol is its vehicle, but the alcohol is of the highest grade United States Pharmacopoeia quality which assists in more rapid and thorough assimilation of the human growth hormone.

This product provides the recombinant form of hGH in incomprehensibly small doses with a potency ranging from 2C to 30C which can be adjusted for the health professional. As described by one of the product's two formulators, 55-year-old Howard A. Davis, PhD, Vice President of the Los Angeles-based Dreamous Corporation USA, "the homeopathic 2C rhGH assists a user's physical body and the 30C rhGH assists his or her mental and emotional aspects of the mind."



Human Growth Hormone

The other formulator of homeopathic, recombinant human growth hormone is Susan Negus, PhD, owner and president of the Dreamous Corporation USA. Drs. Negus and Davis are the originators of the all-natural homeopathic skin care line of products brand-named Rejuvenis™.

Even if the single dose of rhGH is extremely dilute, as homeopathic remedies usually are, the judicious application of it can palliate and ease suffering. Or, as you will learn in the next section, homeopathic rhGH stimulates or enhances one's

immune system, raises the opsonic index (the measured fighting ability) of white blood cells, lowers the blood pressure of hypertension, promotes the growing of stronger nails, improves the mental processes, enhances emotional stability, and provides many additional advantageous effects for the body, mind, and emotions.

Subjective Responses to rhGH Noted by Three Consumers

In December 1998, at age 83, Hal Mead, the nutraceutical product formulator for Herbaceuticals, Inc. of Napa, California, began taking homeopathic rhGH sublingually. "The effects I experienced have been gradual but marked with changes being most dramatic in my joints. I had begun to develop a type of arthritic condition in my hands, and this was inconvenient because I play drums as a hobby. But after taking this low-dose rhGH, I notice that my fingers are much more flexible," states Mr. Mead. "I don't have the aches and pains I used to feel. Also, my energy level is considerably higher and my leg-strength has improved. While the changes are subtle, distinct differences have shown up so that I can honestly say the product has done me a lot of good.

"I take rhGH as drops, half-a-dropper under my tongue in the early morning, at noon, and before I go to bed. I let the liquid sit there and soak in through the mucous membranes and swallow the balance," Mr. Mead says. "The body changes from my taking rhGH have made me feel better - greater stamina, more attractive body shape (slimmer waist), and activities are coming easier; for instance, I do my own airplane maintenance." At 84 years old today, Hal Mead continues to personally pilot his plane several days each week, and he declares that homeopathic rhGH keeps him flying.

Contacting me from Las Vegas, Nevada, 55-year-old naturopathic product consultant John Voorhees, ND, who travels extensively and claims no permanent home, says that he has noticed numbers of advantageous changes in himself from ingesting homeopathic rhGH.

"I had taken homeopathic, recombinant human growth hormone for three months and did see many improvements in myself overall such as the increased desire to exercise from feeling greater stamina. Now, after another three months have passed, although I am a nonpracticing naturopath, I am recommending this low-dose but potent rhGH to others," says Dr. Voorhees. "Dropping it under my tongue, in a few weeks I saw an increase in my visual acuity, and I felt the absence of usual aches and pains that you might experience as one gets older. Those pains

