

# What's Up Doc?

## Glandular Therapy: History, Mechanism, and Clinical Relevance

This month inspired by a number of rave reviews from both Physicians and Patients for the new Simply Female product and the recent formula change to Arginase Bladder I have decided to take deeper a look at glandulars and hopefully provide insights to the uses and incredible health benefits that can be obtained from these products.

Firstly, lets clear up a couple of “red herrings” glandulars are not contraindicated with any prescription medication. Secondly all Food research glandulars are sourced from grass fed bovine livestock mostly New Zealand occasionally Australia or Argentina. Unlike US Department of Agriculture (USDA) Food Research glandulars are from cattle that live outdoors and receive no chemicals or antibiotics. Once the glands or organ are extracted, they are immediately freeze-dried to 60 degrees below zero and then placed into a vacuum chamber to remove water and concentrate the active ingredients. Freeze-dried organs retain the complete nutrient profile of the original food - enzymes, amino acids, minerals, and vitamins related to the corresponding organ or gland, including valuable cofactors and supporting nutrients. They are a good source of B vitamins (including B12, crucial for energy production), iron (supporting red blood cell formation and energy levels), zinc (important for immune function), copper, and vitamin A. Freeze-drying also increases bioavailability. The freeze-dried food is still considered a 'raw food' that remains vibrant and alive in a dormant state just waiting for moisture to reactivate. This method is regarded as the “gold standard” for glandular medicinal products

USDA



New Zealand



### Ancient Foundations: "Like Heals Like"

The philosophical root of glandular therapy is ancient and cross-cultural. Writings from as early as 1600 BC describe the consumption of liver to treat night blindness. Other organs have been fed to sick people and animals to support healing, regeneration, and return to function. This same principle — often expressed as *similia similibus curantur* — can be found threaded through Egyptian medicine, Ayurvedic texts, and Traditional Chinese Medicine. Hippocrates wrote extensively on the topic of animal glands in healing. What united these traditions was the intuitive recognition that consuming a tissue would support the corresponding tissue in the patient's own body — a doctrine of correspondence that predates modern endocrinology by millennia. Although this theory has often been dismissed by the allopathic community, they tend to overlook the following medications they prescribe daily which adhere to this principal.

Flu shots and other immunizations.  
Allergy shots.  
Hormones to prevent pregnancy or hot flashes.  
Hormones to support thyroid or adrenal glands.

### **19th Century: Western Medicine wises up.**

It was not until the late 1800s that Western medicine began to formalize what traditional cultures had long practiced. Doctors discovered that dried thyroid gland could cure underactive thyroid, and that dried adrenal gland could likewise cure the adrenal collapse of Addison's disease. Before these discoveries, both conditions were fatal. In the mid-1800s to mid-1950s, physicians recognized the remarkable benefits of giving dried thyroid gland extract to patients exhibiting signs and symptoms of hypothyroidism. Thyroid glandular extracts were considered standard treatment, and doctors successfully prescribed bovine thyroid gland extract to hundreds of thousands of patients. In the late 1800s, treatment with thyroid extract caused dramatic improvement in patients with myxedema. Shortly thereafter, multiple other glandular extracts became available, both individually and in combinations. The early 20th century saw considerable formal academic interest. Western medicine started to take animal glandulars seriously in the 1920s; in fact, the 1925 textbook *Medical Glandular Therapy* was published as a joint project between the American Medical Association and the University of Chicago, edited by Frank Billings, MD.

### **Pioneers**

**Henry Harrower, MD** — an American endocrinologist — was among the first to systematize the clinical use of multiple glandulars. His 1916 text *Practical Hormone Therapy* and his 1932 *Practical Endocrinology* remain foundational references. His work, however, was met with institutional resistance. As noted by Schwartz (1999) in *Annals of Internal Medicine*, Harrower was involved in "the turbulent beginnings of endocrinology."

Ethnobotanist and nutritional pioneer **Weston A. Price**, during his extensive early 20th-century travels, documented indigenous cultures worldwide that placed extraordinary emphasis on consuming organ meats. Among the Eskimos of Alaska, organs of large sea mammals were consumed with great deliberateness. Canadian Rocky Mountain tribes prioritized organ meats so highly that muscle meat was commonly relegated to the dogs. These observations, published in Price's landmark **Nutrition and Physical Degeneration** (1939), suggest that our ancestors had an intuitive nutritional wisdom regarding organ specificity.



**Dr. Paul Niehans** — often called the Father of Glandular or Cell Therapy.

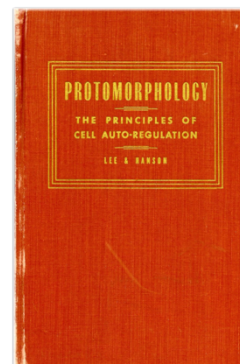
Dr. Niehans' groundbreaking work in cellular therapy began almost by accident in 1931. Facing a critical challenge with a dying patient, conventional treatments exhausted, he took a



leap of faith. Drawing on his years of research, Dr. Niehans injected the patient with fresh cells from calf parathyroid glands. The outcome exceeded all established medical expectations. Not only did the patient recover, but they exhibited remarkable signs of rejuvenation. A positive response was noted within minutes, and she lived for more than 35 years without relapse. This was considered a landmark day in glandular therapy. In 1948, Niehans began to use liver, pancreas, kidney, heart, duodenum, thymus, and spleen cells, and the following year began to use lyophilized (freeze-dried) cells instead of fresh animal cells. Niehans' results and fame spread fast he started the Paul Niehans' clinic which still operates

today as the iconic Clinique La Prairie on lake Geneva in Montreux Switzerland. Niehans during his lifetime (he died in 1971 at age 89) treated the famous and royalty including Winston Churchill, Dwight D. Eisenhower, General Ge Gaulle, Pablo Picasso, Marilyn Monroe, King Saud of Saudi Arabia and probably most famously was summoned to the Vatican to treat Pope Pius XII.

**Dr. Royal Lee**, Standard Process. **William Hanson**, Enzyme Processes' following on from the work of **Weston Price** co-wrote the book Protomorphology. In the early 1950s, Lee through Standard Process introduced glandular supplements made by a salt precipitation process he developed. Lee discovered that when organs are damaged in the body, some cells are released into the bloodstream, attracting an immune response. These antibodies can potentially attack and damage the original organ or gland, producing what we now call autoimmunity.



One of the most compelling bodies of evidence supporting glandular theory came from radioactive isotope tracing studies conducted in the late 1960s and 1970s. In 1967 and again in 1972, **Dr. A. Kment** of Germany demonstrated through isotope tracing that the bloodstream transports tissue-specific factors from ingested glandular materials, and that these factors are selectively absorbed by the corresponding organ in the recipient. This landmark finding was independently corroborated by **Stein** (1967) and **Starzyl** (1979).

These studies gave mechanistic credibility to what healers had observed empirically for centuries: that organ-specific substances do not distribute randomly but demonstrate organotropism — a tendency to concentrate in the target tissue. This biological homing mechanism suggests that the "like heals like" principle is not merely metaphorical but has a demonstrable physiological basis.

### **The Rise of Pharmaceuticals.**

The death knell of glandular therapy was, not surprisingly, the pharmaceutical industry. Beginning in the 1940s, chemists synthesized hormone molecules that were effective, but then falsely claimed they were superior to those harvested from animals. Conventional physicians were easily sold on this, believing that the use of Synthroid instead of Armour Thyroid showed their patients they were more progressive and up to date. Prednisone replaced adrenal cortex extracts, and Premarin replaced extracts from the ovary. Some 30 years after Synthroid was introduced, the FDA fined its manufacturer for spreading false information about Armour Thyroid.

### **Mechanisms of Action: What We Now Understand.**

The conventional objection to glandulars is that orally administered glandulars are simply digested into amino acids and therefore have no organ-specific effect. The evidence argues otherwise it has been claimed that active constituents may be destroyed by digestive enzymes in the gastrointestinal tract before they can be absorbed into the body. However, there is clear evidence that, some proteins, enzymes, and other large molecules can, and do pass intact from the human gut into the bloodstream. Although dietary antigens are degraded by the time they reach the small intestine, studies in humans and rodents indicate that degradation is partial and that some intact antigen is absorbed, especially when large doses of antigen are fed. This partial survival of antigen is in fact sufficient — and arguably ideal — for inducing the regulatory T cell mediated tolerance pathway. Because autoimmunity causes many of the problems related to glandular malfunction, taking glandular extracts orally that help calm the immune attack on the corresponding gland is key. Secondly unlike synthetic hormones, glandular products offer a

balance of multiple factors that support the growth and maintenance of organs and glands. A much healthier and effective treatment than an excess of a single synthetic hormone. Preparations from healthy organs can supply substances that are often deficient in the corresponding human organ, such as nucleic acids and organ-specific enzymes. Enzymes are the biological catalysts that aid metabolic, catabolic, and digestive processes, and they tend to be specific to the organs they are involved with. Glandulars are rich in naturally occurring nutrients, including hormones, hormone precursors, peptides, enzymes, vitamins, minerals, and amino acids, which are essential for healthy organ function and rebuilding.

## Oral Tolerance

There has been a recent surge and scientific interest in the therapeutic potential for oral tolerance or oral tolerization (OT). In terms of gland or organ therapy, OT refers to the process of feeding specific animal proteins, termed oral autoantigens, to a patient with an autoimmune condition. When the gland or organ protein passes through the gut immune tissue, it has been shown to desensitize the body's immune response to these proteins, thus calming the body's response to its own similar tissue. During this process, immune cells are transformed from "attacking" or "inflammatory" cells to less reactive cells, termed regulatory T cells (Treg). OT also stimulates the production of "regulatory cytokines" that help to moderate inflammatory responses within the body. Studies show that feeding patients the same protein that matches the compromised tissue in the body stimulates immune cells to release inhibitory cytokines, these are substances which suppress inflammation and the autoimmune response. Oral Tolerance while very "current" has been around since the late 1800's. Dr. Robert Nussenblatt of the National Eye Institute captures this convergence well. He states that "oral toleration" and "oral tolerance treatments" are the new terms used for glandular therapy. "Patients eat proteins that are like those in the beleaguered tissues in their own bodies." His work treating uveitis with oral bovine eye protein has provided compelling clinical data confirming this mechanism.

The strategy of OT has been employed in the treatment of both human and animal autoimmune diseases such as multiple sclerosis, rheumatoid arthritis, and uveitis. Research published in *Science* (Weiner et al., 1993) demonstrated in a double-blind pilot trial that oral bovine myelin reduced the frequency of MS attacks compared to placebo. Some researchers have argued our ancestors did not suffer from auto immune diseases because of their consumption of glandulars.

## Food Research Glandular Product Range

### Simply Range.

Simply designates the main range of Glandulars from Food Research these are bovine glandulars described as cytotrophins (cell foods). They are sourced from New Zealand freeze dried and each capsule contains simply 200mg of the bovine glandular. There are 15 Simply's in the range covering all major male and female organs. Simply's are the perfect product to support and rebuild your Patients stressed organs. For example, stressed or over tired Patients could benefit from Simply Adrenal to support and rebuild overworked adrenal glands. Because of their purity Simply's are **ideal products for pregnant woman or children** and offer therapeutic support without the concerns of synthetics or herbal product and potential contraindications. Simply's contain the whole gland and enzymes, peptides and hormone precursors similar or identical to our own. Consider for weak or struggling Patients, Patients with compromised



digestion, Patients with sensitivity issues.

A recent addition to the Simply range is **Simply Female**. This is a unique product which supports the female HPA Axis, reproductive organs, and the Thyroid.

**Simply Female** offers complete glandular support for neuroendocrine system, the endocrine system and the reproductive system. Further on in this newsletter we look at Simply Female in more depth in the meantime here are some of the many testimonials we have received. Consider Simply Female for any or all female hormonal issues including fertility, menstrual issues, PCOS, PMS, cramping and pain.

*I've had two patients that were having periods every two weeks and within two weeks of taking Simply Female, their cycles regulated! Pretty amazing! I had another patient that pretty much bled all month long and within a week of taking Simply Female, she stopped bleeding, and her cycle is now once a month for 4-5 days. Super cool*

*"Patient testimonial on Simply Female: PCOS and heavy periods with cramping all in the back and midsection with accompanying headaches. After three months at 4/day flow is normal, zero cramping and zero headaches. Has dealt with this her whole life. Also, on Inositol Complex"*

*I have seen fabulous results with Simply Female in more than 15 patients! People are reporting they are losing weight, more mentally and emotionally stable, less manic and moody, normalized periods in days/weeks!*

## Enzomorphogen's (EMG's)



In 1947 Royal Lee with William Hanson cowrote "Protomorphology: The Principles of Cell Autoregulation." Protomorphgens (PMG's) were introduced as a specific material extracted from animal glands and organs to retain what they described as "cell determinants." These extracts improved efficacy which was typically degraded in the drying and salting process of the gland. While Lee started what we now know as Standard Process Inc. Hanson created Enzyme Process and went on amongst other things in 1952 to win a patent for the first chelated mineral - calcium. Before bringing the process inhouse some years later Enzyme Process extracted and manufactured PMG's for Standard Process. Doctors Research approached Enzyme Process in the 2000's and asked them to create Enzomorphogens (EMG's) in essence a similar extract to the PMG's but using tissue from grass fed New Zealand cattle and instead of drying and salting, the extracts were freeze dried and combined with Collinsonia root. Freeze drying is regarded as the gold standard in glandular therapy. Collinsonia root helps with digestion (sometimes an issue with the heavily salted PMG's) and improves circulation. Doctors Research has 4 EMG products.

## Hypothalamus EMG, Pituitary EMG, Thymus EMG and Thyroid EMG

These products are used to support specific glands as they contain cell nuclei specific to each organ. The feedback I have received from many Practitioners suggests the same or similar results are obtain by using the Simply range over EMG's or PMG's. Obviously, the cell nuclei is already present in the Simply range. The consensus seems to be the superior gland quality plus the modern methods of freeze drying over salting leads to a more bioavailable and efficacious product.



## **Premier Marine Collagen: Dose: 1 -2 Scoops per Day**

a Hydrolyzed form of collagen that has been broken down into smaller chains of amino acids this improves bioavailability. It is extracted from 100% wild-caught, cold-water fish skins—cod

haddock, and pollock, providing Types I, II, III, and IV collagen for systemic support across skin, joints, connective tissue, and epithelial membranes. Marine collagen is generally preferred over bovine collagen for the following reasons:-

**Bioavailability:** Marine collagen is more easily absorbed by the body due to its smaller peptide size, which enhances its effectiveness.

**Type of Collagen: Premier Marine Collagen** is a full spectrum collagen product. Typically, marine collagen is mostly Type I and bovine collagen is Type I and III.

**Allergen Profile:** Marine collagen is suitable for individuals with allergies to bovine products or those who prefer vegetarian supplements

**Skin Health:** Marine collagen is particularly effective in improving skin hydration, elasticity, and reducing wrinkles

**Lower Contaminants:** Marine sources typically have lower levels contaminants which can be found in USDA bovine sources.

**Taste and Odor:** Marine collagen typically has a milder taste and odor compared to bovine collagen, making it easier to incorporate into foods and beverages.

Premier Marine Collagen uniquely includes:

- **Type I** – Skin, bones, tendons
- **Type II** – Cartilage (joint support)
- **Type III** – Vascular walls, skin, organs
- **Type IV** – Basement membranes (skin, kidneys)

A pure product containing no excipients or binders and tested intensively for contaminants.

## **Colostrum-IgG: Dose 3 capsules or 2 teaspoons per day.**



Colostrum is a special immune-active fluid secreted by the mammary glands of female cows for about three days after giving birth. Bovine colostrum contains a wide range of naturally occurring immune factors, amino acids, nucleotides and growth factors to support the newborn's immune health. Dairy cows can produce up to five gallons of colostrum just within

in their first milking. Since baby calf only consumes about one gallon in the first couple days, excess colostrum is ideal for use as a nutritional supplement. Colostrum from pasture-fed cows is known to contain highly

concentrated immunoglobulins specific to many human antibodies, such as Immunoglobulin G (IgG) – an important type of antibody of the body's immune system. IgG is the most common type of antibody found in circulation representing 75% of serum antibodies in humans. Research has shown that supplementation with bovine colostrum is able to positively modulate immune function.

Colostrum offers several athletic benefits that can be valuable for enhancing performance, recovery, and overall health for athletes.

**Muscle Recovery and Repair:** Colostrum contains insulin-like growth factors (IGF-1 and IGF- 2) that promote muscle repair and regeneration, helping athletes recover faster from intense training and injuries.

**Improved Endurance:** Studies suggest that colostrum can enhance endurance performance by promoting better energy utilization and reducing the perception of fatigue during prolonged exercise.

**Cytokines and Lactoferrin:** These components have anti-inflammatory properties that help reduce exercise-induced muscle soreness and inflammation, allowing for quicker recovery and less downtime.

PRL Colostrum IgG is from a select group of grass-fed cows and is available in either a capsule or powder form.

## Colicron: Dose 1 per day.

The microbiome is crucial for maintaining health across multiple systems in the body. Its impact on **digestion, immunity, metabolism, mental health,** and **chronic disease** underscores the importance of nurturing a balanced and diverse microbiome which inevitably leads to enhanced overall health and well-being.

**Colicron™** is a combination of 3 different species and 9 different strains of Probiotics each strain has been clinically researched. There are 5 Billion Colony Forming Units (CFU's) per strain giving a total of **45**

**Billion CFU's per capsule**

Three key additional ingredients are included in the formula:-

### **Palmitoylethanolamide (PEA)**

A cannabimimetic mediator, an analgesic, anti-inflammatory properties in addition to regulating intestinal transit.

### **UNDARIA (Wakami Edible Seaweed)**

A brown seaweed containing Fucoxanthinol binds to the NAAA enzyme, reducing its activity and its ability to degrade PEA.

### **HERICIUM ERINACEUS (Lion's Mane Mushroom )**

An edible and medicinal fungus which in addition to its the ability to modulate the immune system, stem inflammation and repair the gut is a prebiotic.

**Colicron** is produced using a freeze dry process followed by a unique internal and external coating which is used to protect the probiotics. An external polysaccharide coating protects the probiotics from both heat and humidity changes in the environment. A second internal coating stops the Probiotics reactivating. During GI transit the Probiotics face harsh condition from acid pH, digestive enzymes, and bile salts, the internal coating protects the Probiotics and is slowly and gradually released during the GI transit. When the probiotics reach the gut, they reactivate themselves, proliferate, and adhere to the intestinal mucosa.



**1 month supply Practitioner Price \$22.50**

**[www.Alivedalabs.com](http://www.Alivedalabs.com)**



## FOOD RESEARCH

# SIMPLY FEMALE

**100% Food** supplement that is intended to supply nutrients needed to maintain and support female health. In addition to supporting the hypothalamic-pituitary-adrenal axis, this plural glandular supplement contains specific female reproductive gland peptides, enzymes and hormone precursors.



Women have unique organs and require special care. **Simply Female™** was developed to help naturally nourish and support a woman's organs by providing 100% glandular support.

The consumption of glandulars provides nutritional support to the corresponding gland in the human body [e.g. 1]. Glandular organs contain vitamins, minerals, and nutritional peptides, without sugar [2]. They also supply enzymes, and substances believed to be hormone precursors. Freeze drying results in a glandular that is the closest to 'whole food' [3].

Unlike plants, glands have most of the same biological materials (like enzymes and other peptides) that humans do [4]. It is now believed that there are as many as 75,000 different enzymes in the human body [5]. Consuming glandulars helps directly supply enzymes. Enzymes are biological catalysts that encourage metabolic, catabolic, and digestive processes in the body. They help rebuild and detoxify. Enzymes tend to be specific, such as thyroid enzymes tend to help the thyroid, but are ignored in the ear. Enzymes help the respective organs they are involved with function better.

**Simply Female™** is intended to support the Hypothalamic-Pituitary-Adrenal (HPA) Axis as well as other systems in the female body. The HPA Axis is your body's main way of responding to stress. It consists of three organs that each release hormones to eventually raise cortisol level in your body. The HPA Axis is a communication system between three organs, it is crucial for your body's stress management [6]. These endocrine system organs create a feedback loop of hormones to enact and regulate your body's stress reaction.

### THE HPA AXIS IS COMPRISED OF THREE GLANDS:

#### Hypothalamus

The hypothalamus is a structure deep within your brain. The hypothalamus keeps your body in a balanced state (homeostasis). The hormones [it produces] can control body temperature, water balance, appetite, gastric activity, and the fear and rage emotions [7]. The hypothalamus can also increase feelings of tranquility [8].

#### Pituitary

The pituitary gland is a small endocrine gland located at the base of the brain below the hypothalamus. It makes several essential hormones and regulates other endocrine glands management [6]. The pituitary gland secretes human growth hormone, adrenocorticotrophin, thyroid-stimulating hormone, follicle-stimulating hormone, luteinizing hormone, antidiuretic hormone (also called vasopressin), and oxytocin [8]. Beef pituitary glandulars have been recommended for fatigue, stress intolerance, digestive complaints, metabolic disorders, headaches, obesity, delayed healing response, and nervous manifestations [9]. Some have also recommended it to help with sleep as well as seasonal affective disorders.

#### Adrenal

The adrenal glands secrete androgens, which in a woman's body can be converted into estrogen, along with cortisol (which controls aspects of metabolism) and aldosterone. They also produce mineralocorticoids (involved in electrolyte balance) and glucocorticoids (involved in blood sugar regulation). Adrenal glands secrete epinephrine and norepinephrine in response to sympathetic stimulation. "More than 30 steroids have been isolated from the adrenal cortex" [8]. Adrenal glandular support is often used by people who are under stress, fatigued, having difficulty getting up in the morning, who have adrenal stress headaches, or have an abnormal craving for salts [10].

### Supplement Facts

Serving Size 1 Capsule      Servings per Container 90

Amount per Serving	% Daily Value ▼	
Bovine Uterus/Ovary/Fallopian Tubes/ Cervix Combination Cytotrophin	220 mg	*
Bovine Hypothalamus Cytotrophin	80 mg	*
Bovine Pituitary Cytotrophin	80 mg	*
Bovine Adrenal Cytotrophin	60 mg	*
Bovine Thyroid Cytotrophin	60 mg	*

\* Recommended Daily Intake has not been established

## In addition to supporting the HPA Axis, women may benefit from additional bovine glandular support of the reproductive organs.

**Simply Female™** contains glandular support for the ovaries, fallopian tubes, uterus and cervix.

**Ovary:** While ovaries are involved in reproduction and hormone production, bovine ovarian tissue has been advised to help women sleep at night, reduce the production of acne, improve mood, sometimes aid in menopausal issues and for some women, increase fertility [11].

**Fallopian tubes:** Fallopian tubes are a pair of hollow, muscular ducts located between the ovaries and uterus. Each Fallopian tube is a channel between the ovaries which are involved with reproduction and menstruation [8]. Estrogen causes the ciliated epithelial cells that line the fallopian tubes to increase [8].

**Uterus:** Bovine uterus containing supplements have long been used for women with leucorrhea, uterine cysts, fibroids, uterine displacement, excessive or scanty mense, some types of sterility, menstruation cramps, prolapse uterus [7, 12]. Some practitioners have found uterine glandulars to be helpful for female moods.

**Cervix:** The cervix is the lower, narrow canal part of the uterus, connecting it to the vagina. It plays a vital role in menstruation, fertility, pregnancy, and childbirth [13]. The cervix allows fluids to leave and enter the uterus.

**Simply Female™** also contains bovine **thyroid** tissue (note: bovine thyroid glands are thyroxine-free, thus do not result in a shutting down of the thyroid gland when taken). Thyroid tissue is used by people with symptoms associated with low thyroid such as afternoon tiredness, poor circulation, poor temperature tolerance, headaches, low metabolism, diminished female libido, weight concerns, and sometimes dry skin [14]. After a short adjustment period many people will find that they crave less junk food, caffeine, and similar items but instead crave more water, fruits, and even vegetables.

**Bovine animal glands** have been consumed since the beginning of history [15], and glandulars have been part of the human diet for thousands of years. They were used for medicinal purposes in the USA in the 1800s [16] and were mentioned in *Merck's 1905 Manual of Materia Medica* [17]. Their long-term use in nutritional supplements began over a century ago [18].

Various studies and reports involving glandulars have been published [e.g. 19-26]. Interestingly, a study of Australian aborigines found that those that had obesity and diabetes who left Western diets and returned to a native diet that included consuming animal glands found that those diseases reversed [26]. Glandulars are "generally recognized as safe" [27]

New Zealand, Australian, and Argentinean farmers tend to raise their cattle more naturally than those raised in places that use a lot of genetically-modified grains like the USA. Cows in New Zealand, Australia, and Argentina are almost exclusively raised on unfertilized natural grasses which are found in the pastures of those lands. Neither New Zealand nor Australia, nor Argentina has ever had a case of BSE (bovine spongiform encephalopathy) nor scrapie, a similar disease found in sheep [28-30]. **Simply Female™** only provides glands from those southern hemisphere nations.

In summary, **Simply Female™** supports the HPA Axis, the reproductive organs and the thyroid gland. **Simply Female™** offers complete glandular support for the neuroendocrine system, the endocrine system and the reproductive system.

Women seeking relief from hormonal imbalances, as well as those ending hormone replacement therapy, can nourish and help stabilize their endocrine systems with glandular support, such as in **Simply Female™** [31].

## References:

- [1] Burns D. Accumulating scientific evidence supports glandular therapy. *The Digest of Chiropractic Economics*, Nov/Dec 1987: 74-79
- [2] Basic Report: 13318, Beef, variety meats and by-products, brain, raw. National Nutrient Database for Standard Reference Legacy Release, April, 2019; Basic Report: 13325, Beef, variety meats and by-products, liver, raw. National Nutrient Database for Standard Reference Legacy Release, April, 2018
- [3] *The Difference Between Freeze-Dried, Dehydrated and Raw Foods*. Trail Blazers Pets, December 13, 2017
- [4] Hulsey MG, Martin, RJ. The role of animals in nutritional research. *Nutr Today*;1993;28 (5):1993
- [5] *The Handy Answer Book Series*, 2nd edition. Visible Ink Press, 2014
- [6] Hypothalamic-Pituitary-Adrenal (HPA) Axis, Cleveland Clinic, <https://my.clevelandclinic.org/health/body/hypothalamic-pituitary-adrenal-hpa-axis>, accessed 08/05/2025
- [7] *Profiles in Nutritional Progress*. Rubicon Productions, Bakersfield, 1993
- [8] Guyton AC, Hall JE. *Textbook of Medical Physiology*, 9th ed. WB Saunders, 1996
- [9] Lee R. Pituitary Cytotrophin. *Product Bulletins*, circa 1950
- [10] Lee R. Adrenamin. In *Product Bulletins*, circa 1950
- [11] Lee R. Ovary Cytotrophin. In *Product Bulletins*, circa 1950
- [12] Lee R. Uterus Cytotrophin. In *Product Bulletins*, circa 1950
- [13] Prendiville W, Sankaranarayanan R. Anatomy of the uterine cervix and the transformation zone. *Colposcopy and Treatment of Cervical Precancer*, International Agency for Research on Cancer, 2017
- [14] Neumann C. *Serious Nutrition: Incorporating Clinically Effective Nutrition Into Your Practice*. Source Graphics, Kelowna (B.C.), 2005
- [15] Dunbar R. Foraging for nature's balanced diet. *New Scientist* August 31, 1991:25-28
- [16] Isaacs LL. A Brief History of Glandular Therapy: More Than Just Thyroid. *Integr Med (Encinitas)*. 2023 May;22(2):26-31
- [17] *Merck's 1905 Manual of the Materia Medica: A Ready-reference Pocket Book for the Physician and Surgeon Containing Names of the Chemicals and Drugs*, 3rd ed. Merck & Co, 1905, p. 114
- [18] Harrower H. *Practical Organotherapy*. 3rd ed. W.B. Conkey Co.: Hammond (Indiana); 31-36, 1921
- [19] Shamberger RC, Hendron WH, Leictner AM. Long-term nutritional and metabolic consequences of pancreaticoduodenectomy in children. *Surgery*, 1994;115(3): 382-388
- [20] Thiel R., Fowkes S.W. Down syndrome and thyroid dysfunction: Should nutritional support be the first-line treatment? *Medical Hypotheses*, 2007; 69:809-815
- [21] Thiel R. Might disorders of calcium cause or contribute to myoclonic seizures? *Medical Hypotheses*, 2006; 66(5):969-974
- [22] Thiel R. Thiel R. CHARGE (Hall-Hittner) Syndrome and Nutrition: A novel case report, 2006
- [23] Thiel R. Might disorders of calcium cause or contribute to myoclonic seizures? *Med Hypo*. 2006; 66(5):969-974
- [24] DeCava JA. Glandular supplements. *Nutrition News and Views* 1997; 1(3):1-10
- [25] Thiel R. Efficacy of Glandulars and Herbs: The Result of 945 Cases. *The Original Internist*, Volume 19 (1), March 2012, 7-11
- [26] O'Dea K. Traditional diet and food preferences of Australian aboriginal hunter-gatherers. *Philos Trans R Soc Lond B Biol Sci*. 1991 Nov 29;334(1270):233-240; discussion 240-241
- [27] Generally Recognized as Safe (GRAS). USFDA, <https://www.fda.gov/food/food-ingredients-packaging/generally-recognized-saf-e-gras> accessed 02/07/20
- [28] JOINT STATEMENT FROM THE NEW ZEALAND FOOD SAFETY AUTHORITY AND MINISTRY OF AGRICULTURE AND FORESTRY. BSE in the US has no food safety impact in New Zealand or threat to our animal health status. 24 December 2003
- [29] New Zealand's Scrapie Freedom. New Zealand Food Safety Authority. [Nzfsa.govt.nz/16/06](https://nzfsa.govt.nz/16/06)
- [30] Scudel A.A, et al. Analysis of risk factors and active surveillance for BSE in Argentina. *Siiap.sagyp.meccon.ar* 02/16/06
- [31] *Clinical Reference Guide*, Revised April 2018

Some of these studies (or citations) may not conform to peer review standards, therefore, the results are not conclusive. Professionals can, and often do, come to different conclusions when reviewing scientific data. None of these statements have been reviewed by the FDA. **All products distributed by Doctors' Research, Inc. are nutritional and are not intended for the treatment, prevention or cure of any medical conditions.**

