

Obesity &

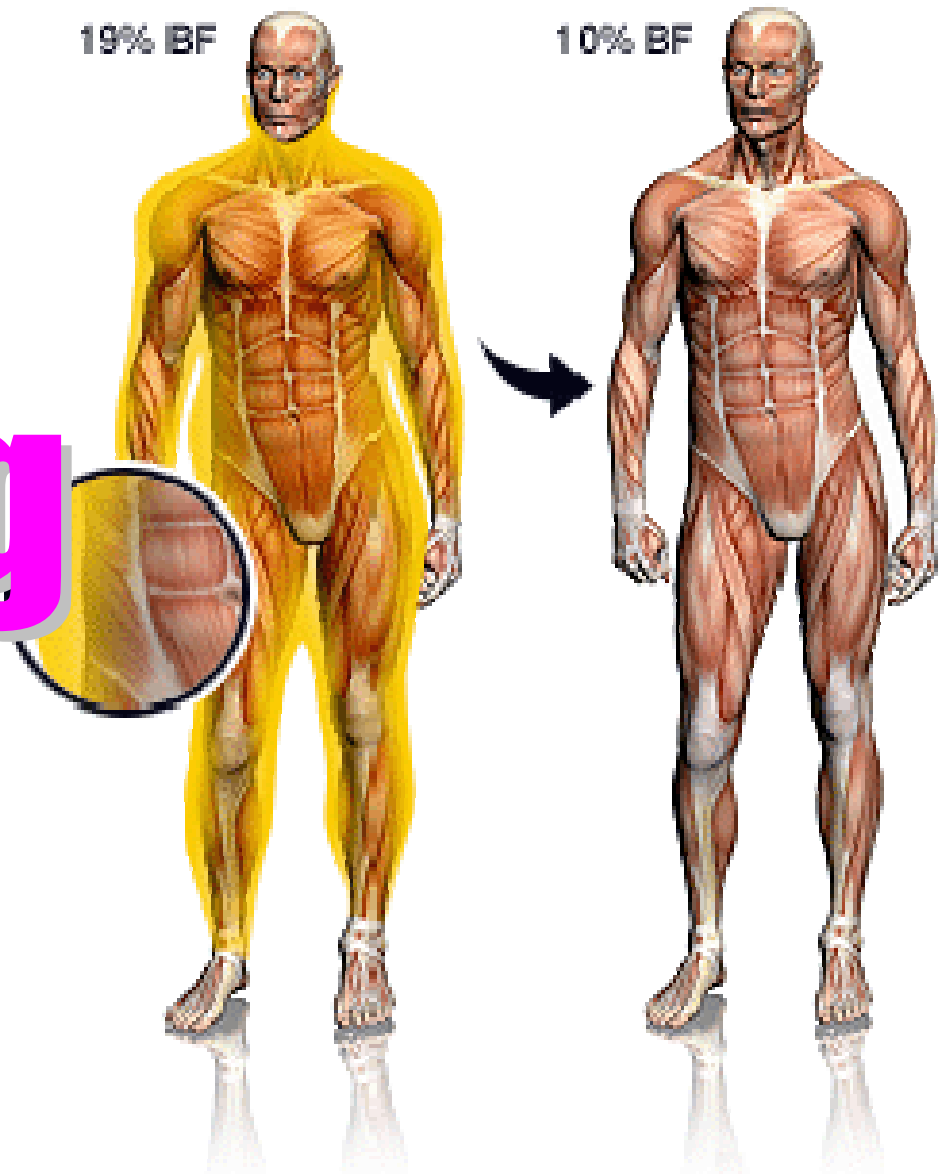
Anti-aging

Therapy

A new Frontier

19% BF

10% BF



Mr. LEE Chee Cheow (M.Sc.)

Chief Scientific Officer

International Advanced Bio-Pharmaceutical Industries Pte Ltd.



Promoting the Medical Science of Preventive Self-care

Causes (Biochemistry) of Aging

Biochemical Causes	Mechanic of Actions:	Solutions Model:
Free Radicals	Unstable oxygen molecules which can damage cells.	<ul style="list-style-type: none">• Anti oxidant• Anti inflammation• Aesthetic
Protein X-Linking	Excess sugars in the blood stream can cause protein molecules to literally stick together.	<ul style="list-style-type: none">• DiETING• Exercise
Hormones	The body's hormones change as we age, causing many shifts in organ systems and other functions.	<ul style="list-style-type: none">• Hormone Replacement therapy• Hormone Secretagogue supplementation

Aging Symptoms

Metabolism disorder:

- High Blood Pressure
- High Blood Sugar
- High Cholesterol

Aging Disorders:

Decrease Vitality

Decline Sleep Quality

Decline Libido (Sex drive)

Increase Abdominal Body Fat

Muscle Loss / Sarcopenia

Anemia

Cognitive decline

Osteoarthritis

Osteoporosis

Decline Cardio Vascular function

Decline injury recovery rate

Poor Immunity



Buttock and thigh region



Belly region



Hormones do not decline because we age – we age because hormones decline

Impact On Aging

- **GH replacement therapy can Reverse manifestations of aging by at least 5 to 15 years**
- **More importantly is to Delay manifestation of aging**



No other single therapy can have same impact on aging body like GH do

New Frontier in Anti Aging Therapy

Maintain Optimum Growth Hormone Level

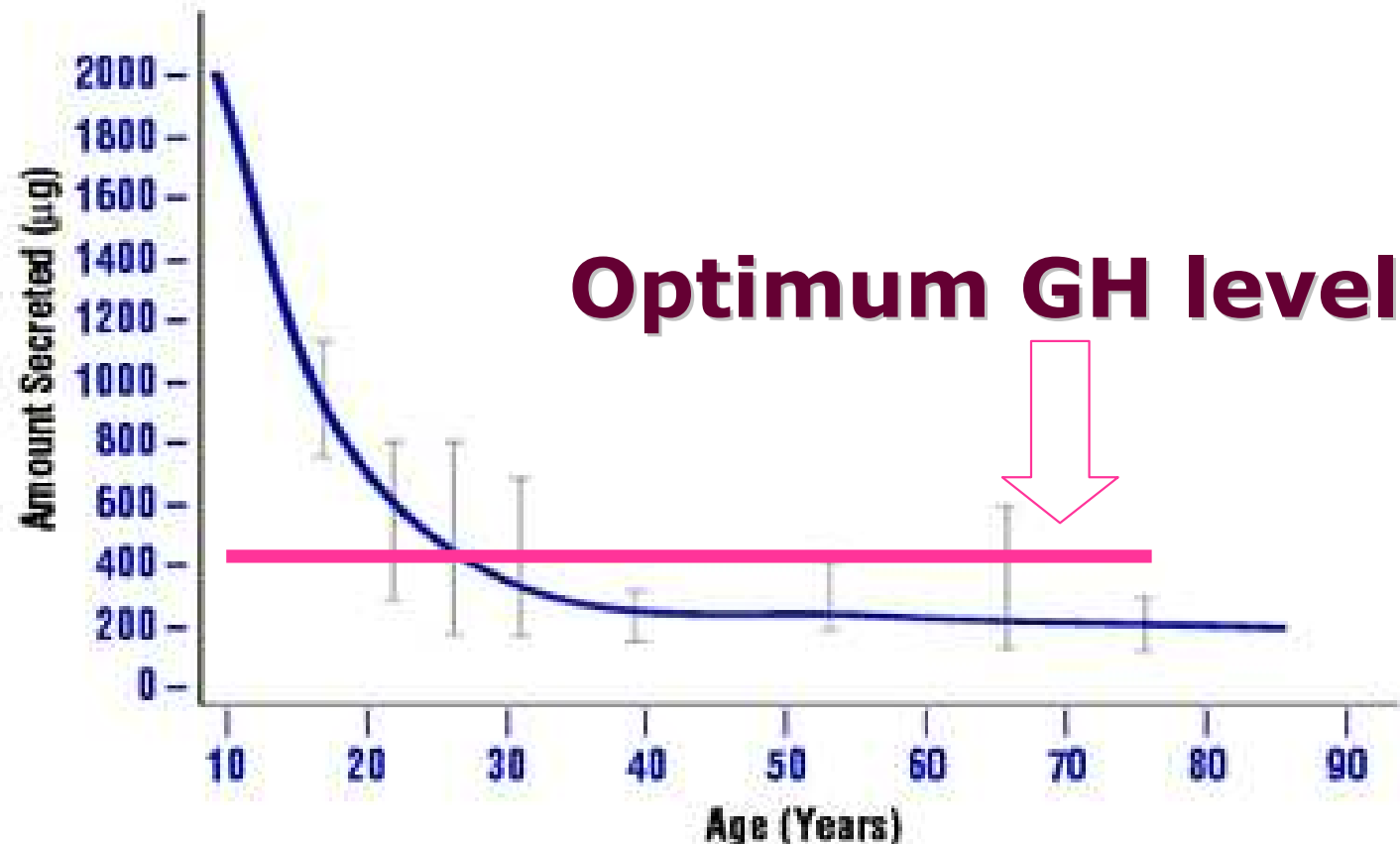


Fig. 3. Age-related decline in growth hormone (Klatz and Kahn, 1997).

GH Replacer vs GH Releaser

Exogenous GH



Endogenous GH

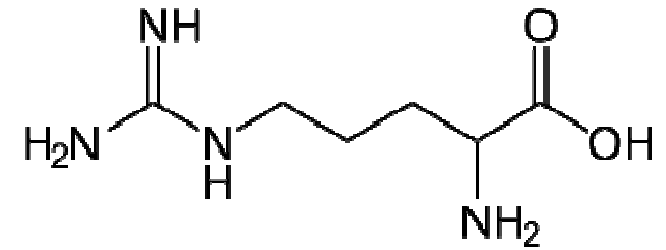


versus

GH Releaser (Secretagogue)

- **New frontier in GH Therapy**
- **No known side effects**
- **No risk of “over-dosing” of GH**

L-Arginine



A semi-essential amino acid

Our body however does not produce sufficient & some must still be consumed through diet

Found in:

Almonds, barley, Brazil nuts, brown rice, coconut, corn, oats, peanuts, raisins, sesame, sunflower seeds, walnuts etc



Deficiency symptoms:

- Poor wound healing / Hair loss / Skin rash / Fatty liver

Growth Hormone Releaser

L-Arginine

Clinical Significant:

- Increases the production of growth hormone
- Powerful immune stimulant

Therapeutic Benefits:

- Burns / Wound-healing / recovery after surgery
- Critical illness recovery
- Coronary artery disease / hypertension
- Erectile dysfunction

L-Arginine is the immediate precursor of Nitric oxide (NO)

- ❑ Influence sexual function
- ❑ Causes the blood vessels to dilate: Increase blood flow without undue increases in blood pressure; Improve circulation

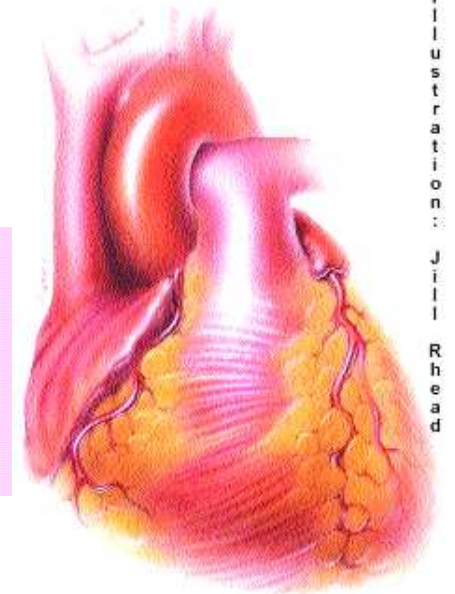
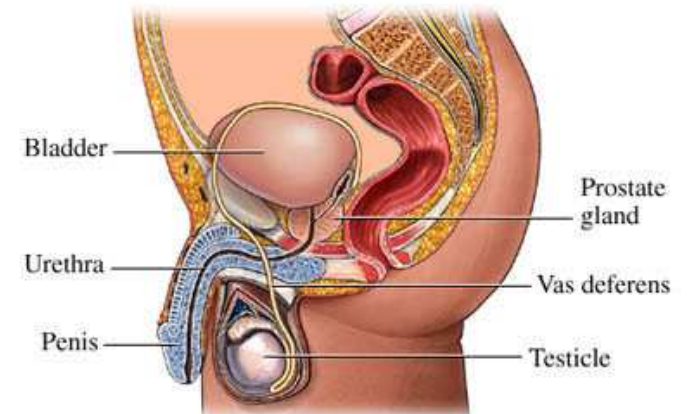
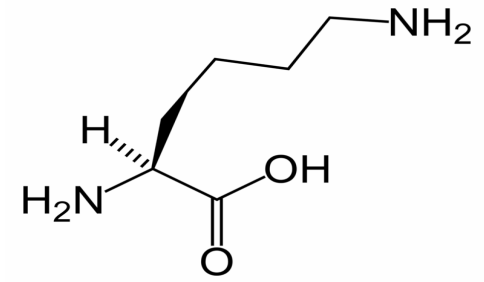


Illustration: Jill Rhoad



Growth Hormone Releaser

L-Lysine



An essential amino acid

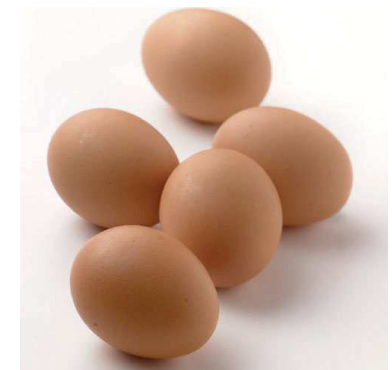
Found in:

Meat (specifically red meat & poultry),
cheese, fish (such as cod & sardines),
nuts, eggs, soybeans (particularly tofu),
spirulina



Deficiency symptoms:

**kidney stones / fatigue / nausea /
dizziness / loss of appetite / agitation /
bloodshot eyes / slow growth / anemia /
reproductive disorders**



Growth Hormone Releaser

L-Lysine

Mother of amino acids

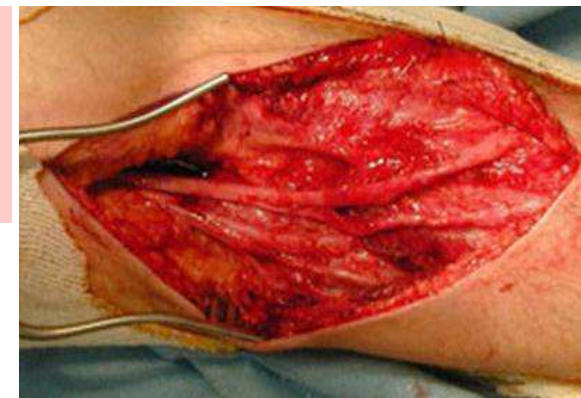
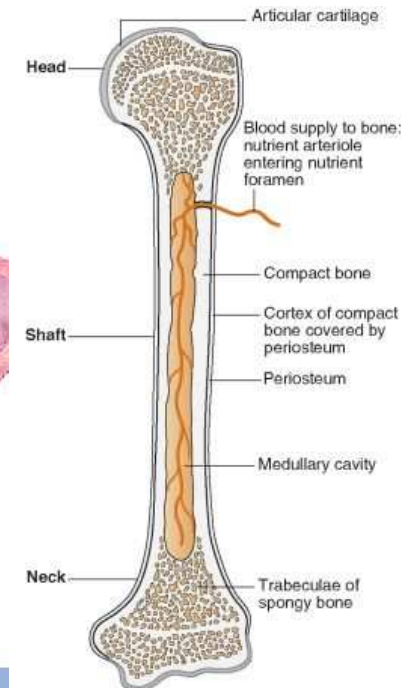
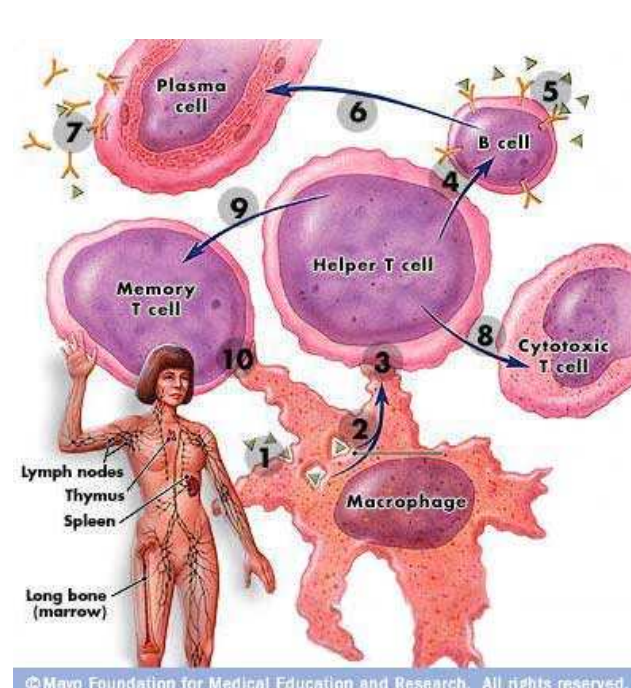
A vital free-form amino acid which acts as an originator for other amino acids

Plays a major role in:

❑ Production of hormones, enzymes, & antibodies

❑ Building muscle; recovering from surgery or sports injuries

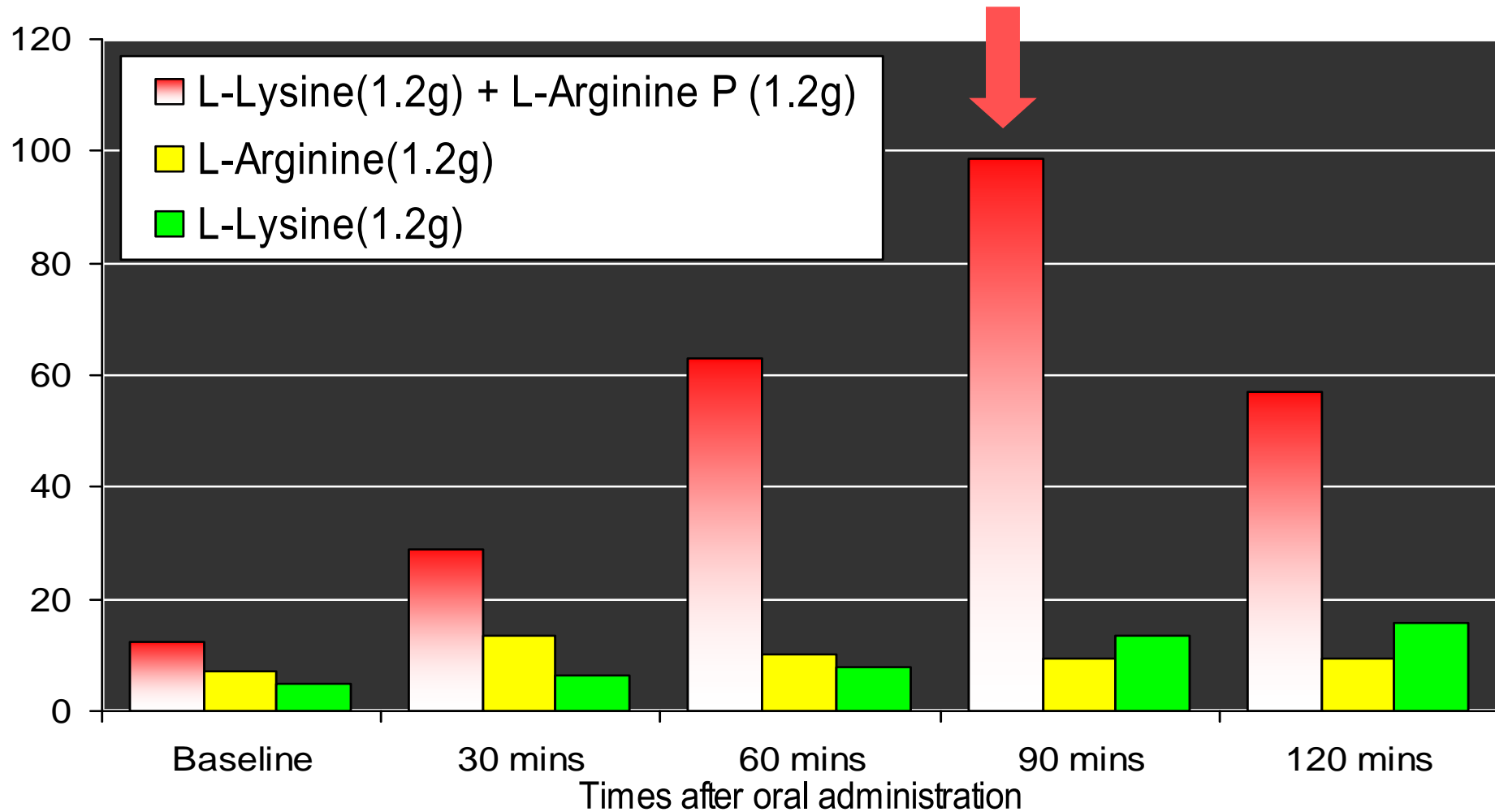
❑ Calcium absorption



L-Lysine + L-Arginine pyroglutamate A Proven Natural GH Releaser

GH Blood Plasma
Level (ng/ml)

GH increase by 800% after 90 mins



The combination of L-Arginine Pyroglutamate with L-Lysine is one of the first natural Growth Hormone releasers proven by scientific research to work.

Fitness+ **VITASHAPE 800**

PHARMACOLOGY:

Amino acids based **GH Secretagogue**

- ❑ Stimulate our body's natural production of growth hormone

ACTIVE INGREDIENTS:

- | | |
|----------------------------|--------------|
| ❑ L-Arginine pyroglutamate | 400mg |
| ❑ L-Lysine | 400mg |
| ❑ Omega 3 | 400mg |

Key Features:

- ❑ High safety Nutraceutical Supplement
- ❑ Does not interfere with balanced diet
- ❑ Suitable for long term consumption



Manufactured in USA

Why add Omega 3 & use L-Arginine pyroglutamate

❑ Omega 3:

- ❑ Stimulates blood circulation,
- ❑ Reduce blood pressure.
- ❑ Reduce blood triglyceride levels

❑ For Aging Health :

- ❑ To improve cognitive function
- ❑ Reduces the risk of heart attack

❑ L-Arginine pyroglutamate:

- ❑ Increase stability in blood
- ❑ Need very much lesser compare to L-Arginine
- ❑ Cross blood brain barrier more efficiently

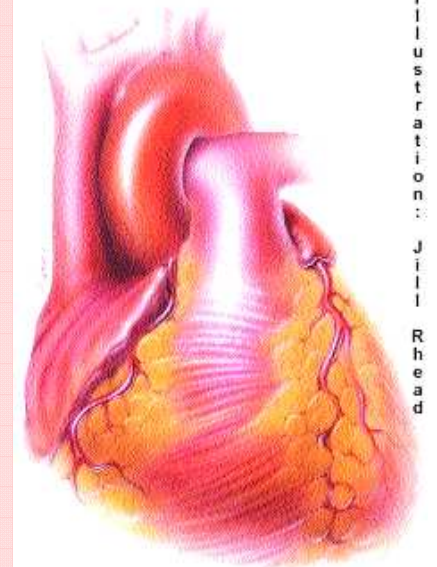


Illustration: Jill Rhead



Obesity & Weight Management

Using direct physiological effect of our GH to breakdown excess Body Fat



Buttock and thigh region



Belly region

Breakdown
Body Fats



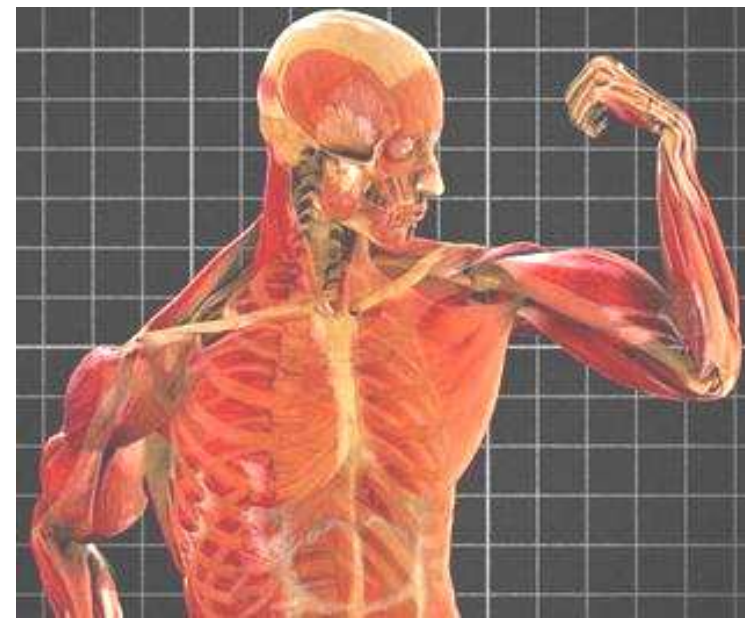
Weight Management

Comparison of Dietary Aids Approaches

Mechanics of Actions	Interfere Balanced Diet	Medical Supervision	Health Risk / Side Effects	Sustain Long Term
Metabolism Booster	No	No	NA	NA
Laxative Action	Yes	Not Regulated	Yes	No
Fats Blocker	Yes	Yes	Yes	No
Appetite Suppresser	No	Yes	Yes	No
Growth Hormone Secretagogue	No	No	No	Yes

- **Increase muscle (lean) mass:**
 - **Anti Sarcopenia**
 - **Increase protein synthesis**

- **Improve physical performance:**
 - **If combined with moderate exercise**



Relief Aging Disorder:

- **Improves Sleep Quality**



- **Increase Libido**

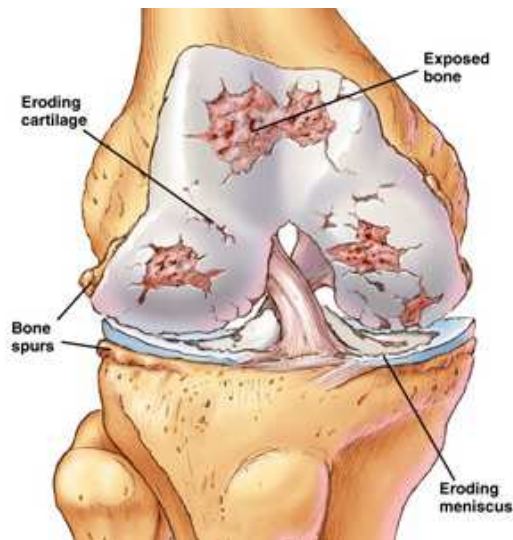
Relief Aging Disorder:

- **Improve memory**
- **Reverse cognitive decline**



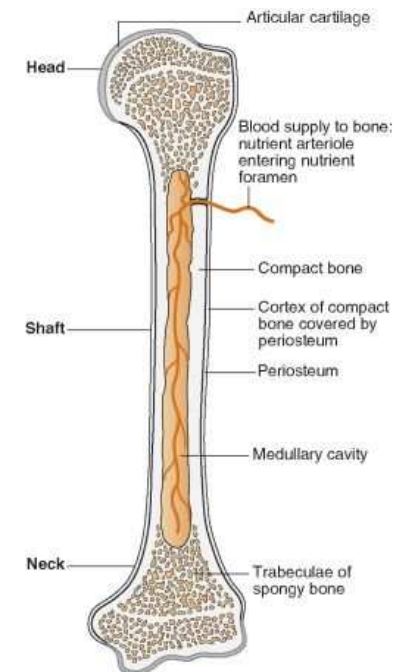
- **Anti Anemia:**

- Stimulate production of the bone marrow cells



- **Anti Osteoarthritis:**

- Stimulate the formation of new cartilage



- **Anti Osteoporosis:**

- Helps calcium absorption, increase bone density



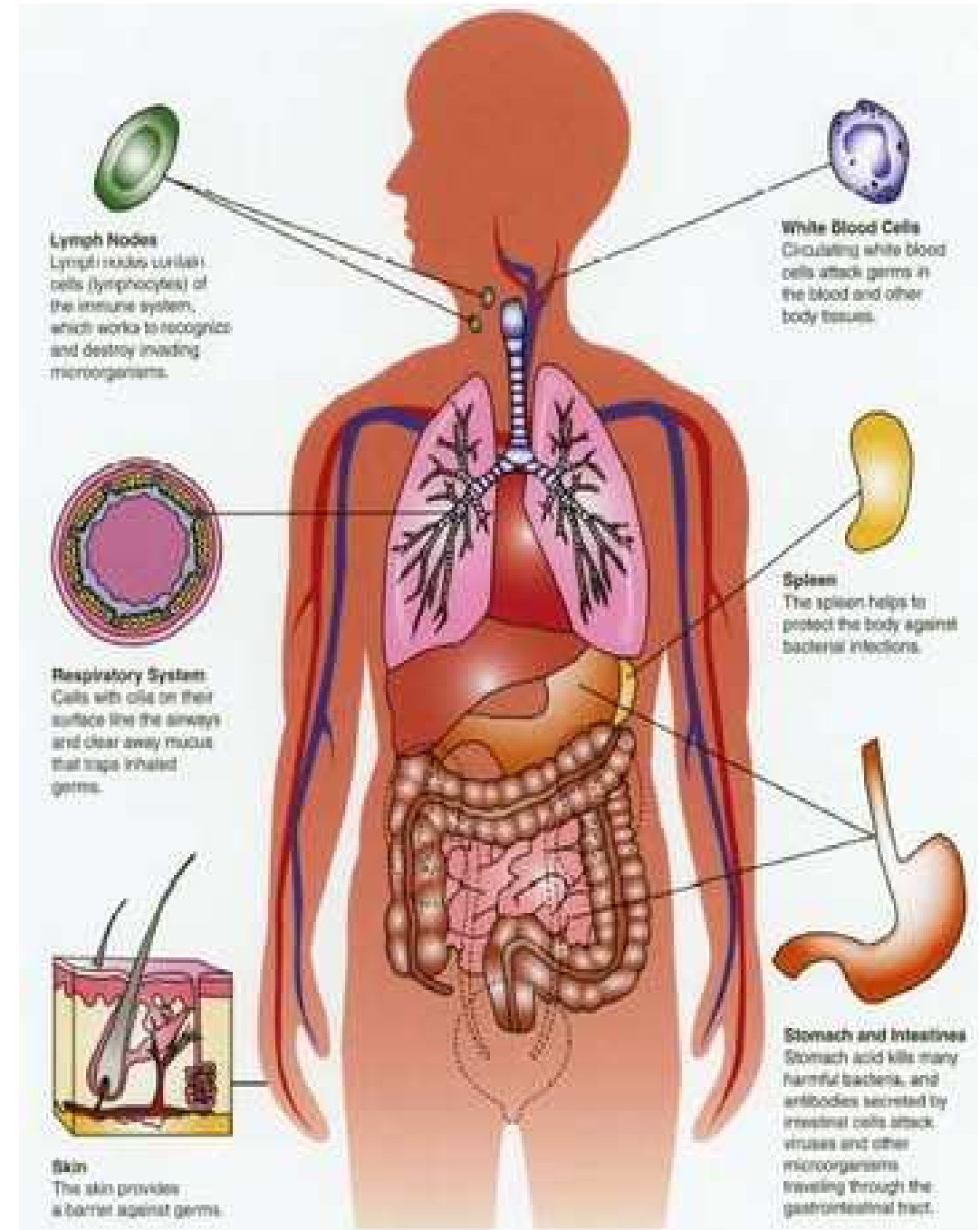
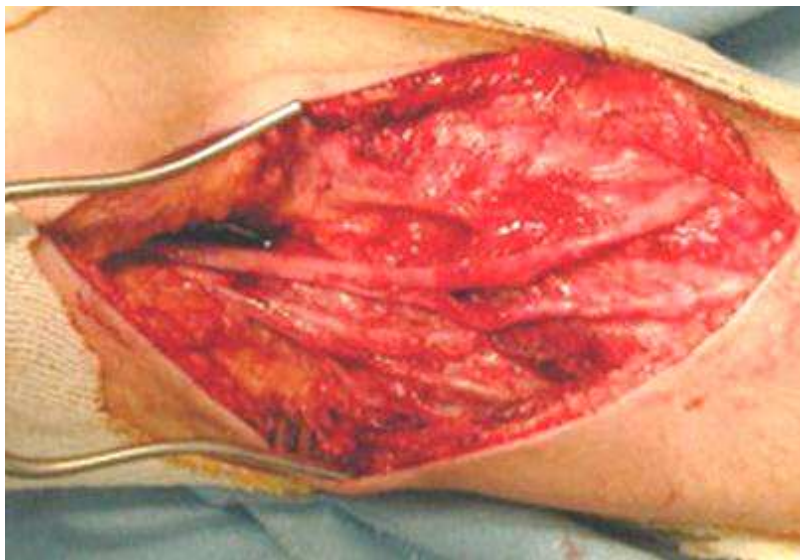
Normal bone matrix



Osteoporosis



- **Strengthen the immune system**
- **Faster wound healing with lower infection rate**



OPTIMUM HEALTH SUPPORTER:

More Energetic



Improves skin complexion - **Looks Younger**

Directions:

Maintaining the effectiveness of **VitaShape**

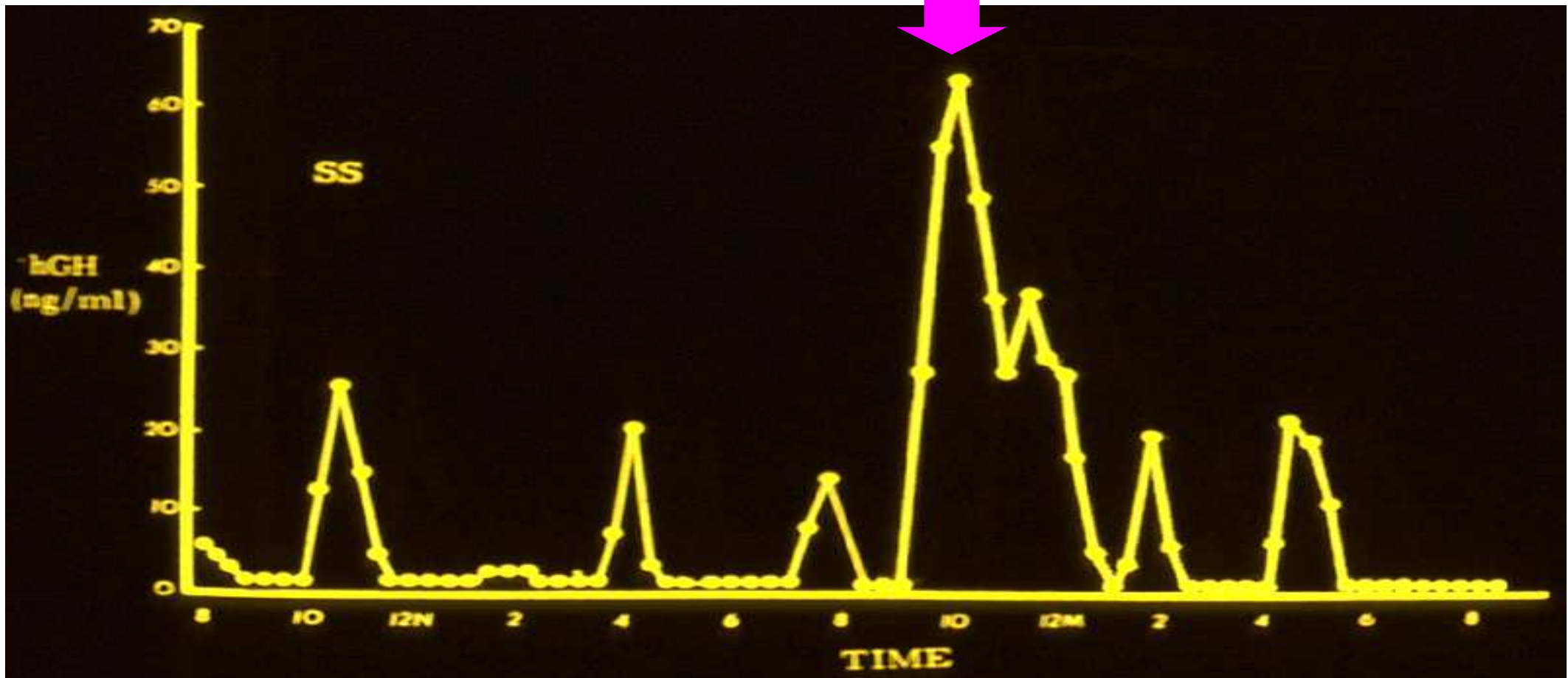
Not taking it continuously:

Applications	Dosage	On period	Off period
Optima health maintenance Relieve of aging symptoms	2 Softgels /day	6 weeks	2 weeks
Weight management Physical enhancement	3 Softgels /day	6 weeks	2 weeks
Obesity management Injury / Surgery recovery	4 Softgels /day	3 weeks	1 week

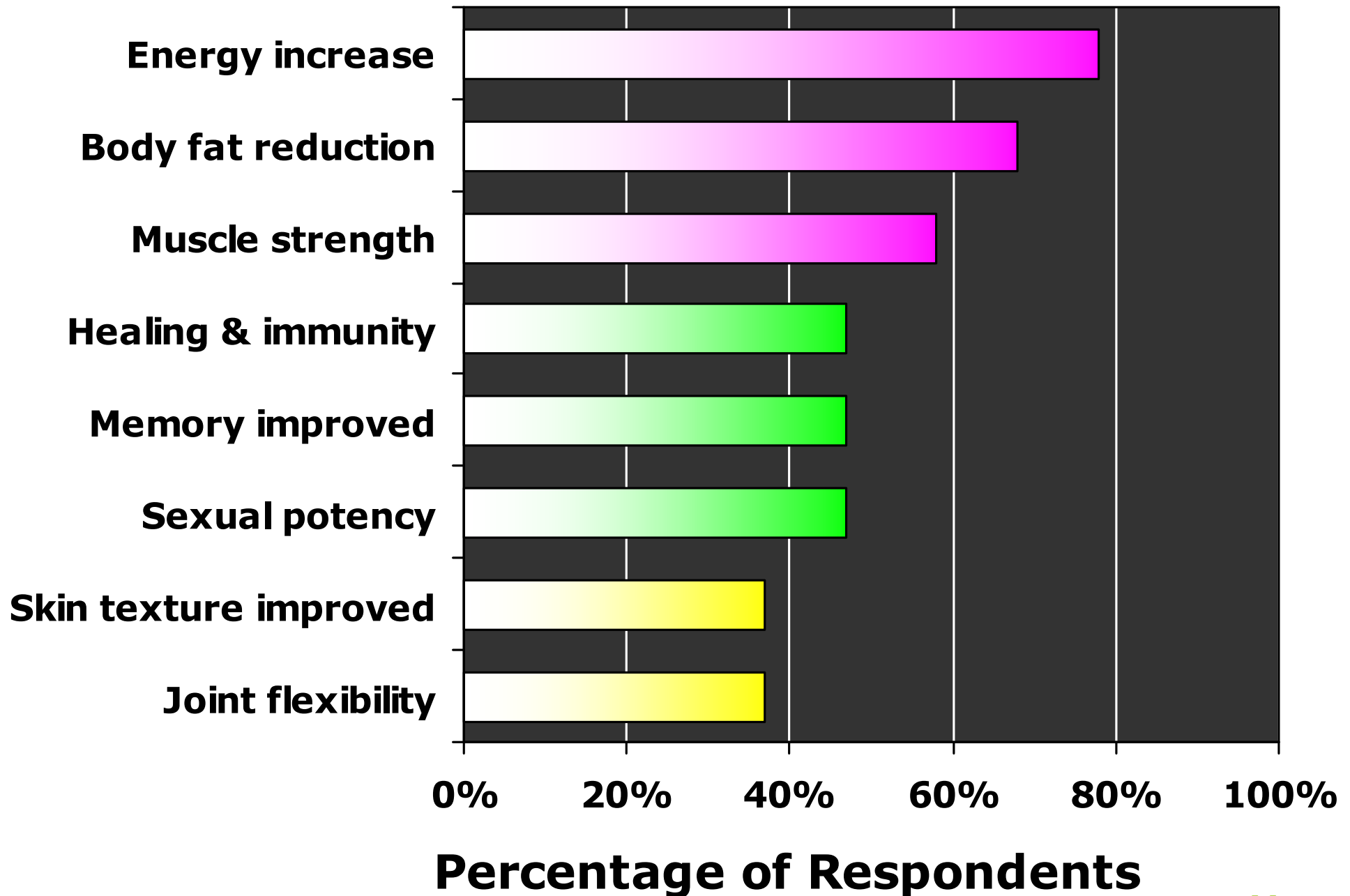
Directions:

Maintaining the effectiveness of **VitaShape**

**Best be taken before bed (before mid-night)
on an Empty stomach**



3 months study of 36 participants



How to stay Young & keep a Healthy Weight

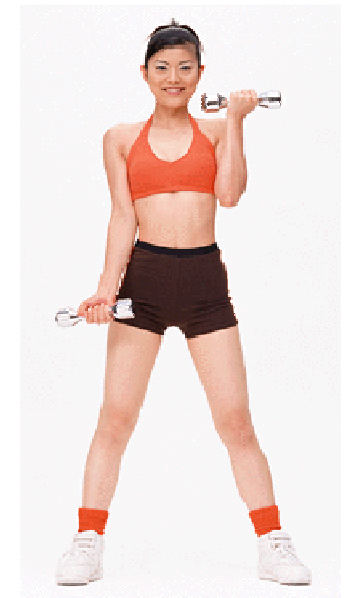
Healthy Food:

- Take a balanced & healthy diet



Active Lifestyle:

- Maintain moderate physical activity

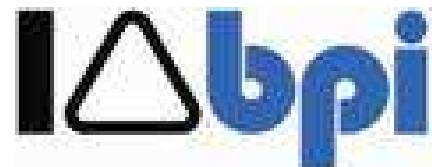


Optimum level of GH

- Take GH Secretagogue



Thank You



Promoting the Medical Science of Preventive Self-care