

**GAINSWave**<sup>®</sup>



# Treatment Overview



*“Without the ability to express ourselves through sexuality, and to form and maintain intimate relationships, we cannot achieve health.”*

## Good Sexual Energy

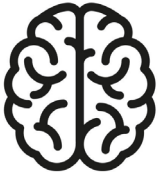
### **DECREASES**

- Stress
- Risk of ulcers
- Depression
- Pain
- Heart disease
- The incidence of cancer
- Incidence of myocardial infarction by 50% with twice weekly relations

### **INCREASES**

- Sense of well being
- Longevity
- Immune system function
- Joy
- Tissue health & bladder function
- Self-esteem & happiness
- Quality of sleep

# Causes of Erectile Dysfunction



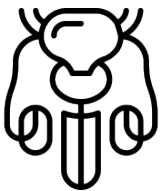
Depression, anxiety, stress, hyperextension, sleeping disorders, pornography addiction

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Alcohol, smoking, obstructive pulmonary disease

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Sexual boredom, abdominal or prostate surgery, Parkinson's disease, Peyronie's disease - development of scar tissue inside the penis, treatment for prostate cancer or enlarged prostate, declining testosterone

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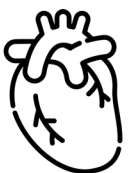
Diabetes, obesity, multiple sclerosis, cerebral or spinal cord injuries that affect the pelvic area or spine, cycling for long period

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Kidney disease like renal failure or renal insufficiency, certain prescription medications

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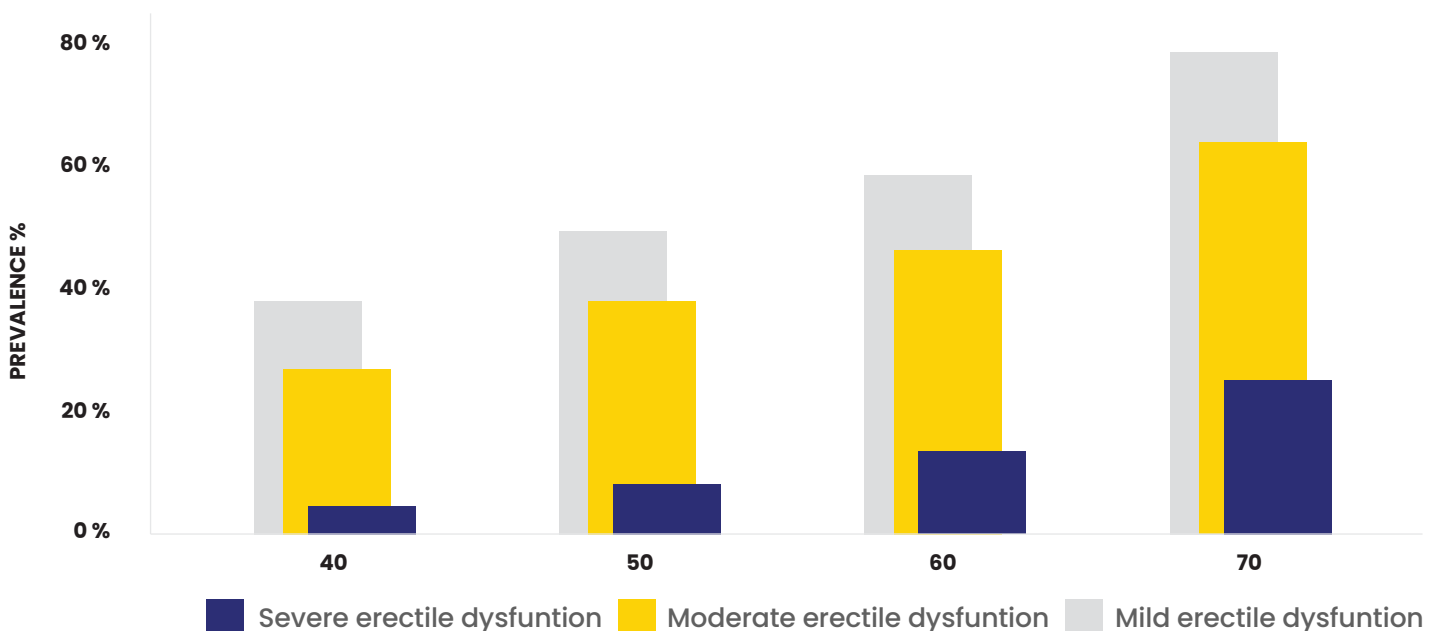
High blood pressure, stroke, high cholesterol, clogged blood vessels (Atherosclerosis), chronic heart problems

# Phases of Sexual Response Cycle & Associated Sexual Dysfunctions

PHASES	CHARACTERISTICS	DYSFUNCTION
<b>Desire</b>	Reflects person's motivation, drives and personality; characterized by sexual fantasies and desire to have sex	Hypoactive sexual desire disorder; sexual aversion disorder
<b>Excitement</b>	Subjective sense of sexual pleasure and accompanying physiological responses (sexual flush, erection by vasocongestion, tightening and lifting of scrotal sac, increase size of testes)	Male erectile disorder; dyspareunia
<b>Orgasm</b>	Peaking of sexual pleasure, release of sexual tension and rhythmic contraction of perineal muscles and pelvic reproductive organs	Organic disorder; premature ejaculation
<b>Resolution</b>	A sense of general relaxation, well-being and muscle relaxation	Post coital dysphoria; post coital headache

## Age & Erectile Dysfunction

AGE IS A MAJOR RISK FACTOR FOR ERECTILE DYSFUNCTION



N=1209 noninstitutionalized men aged 40-70 years. Feldman HA, et al.

# Prevalence of Male Sexual Dysfunction

The Risk of Sexual Dysfunction increases with hypertension, diabetes, dyslipidemia, cardiovascular disease & smoking

**52%**

Of men suffer from some form of ED

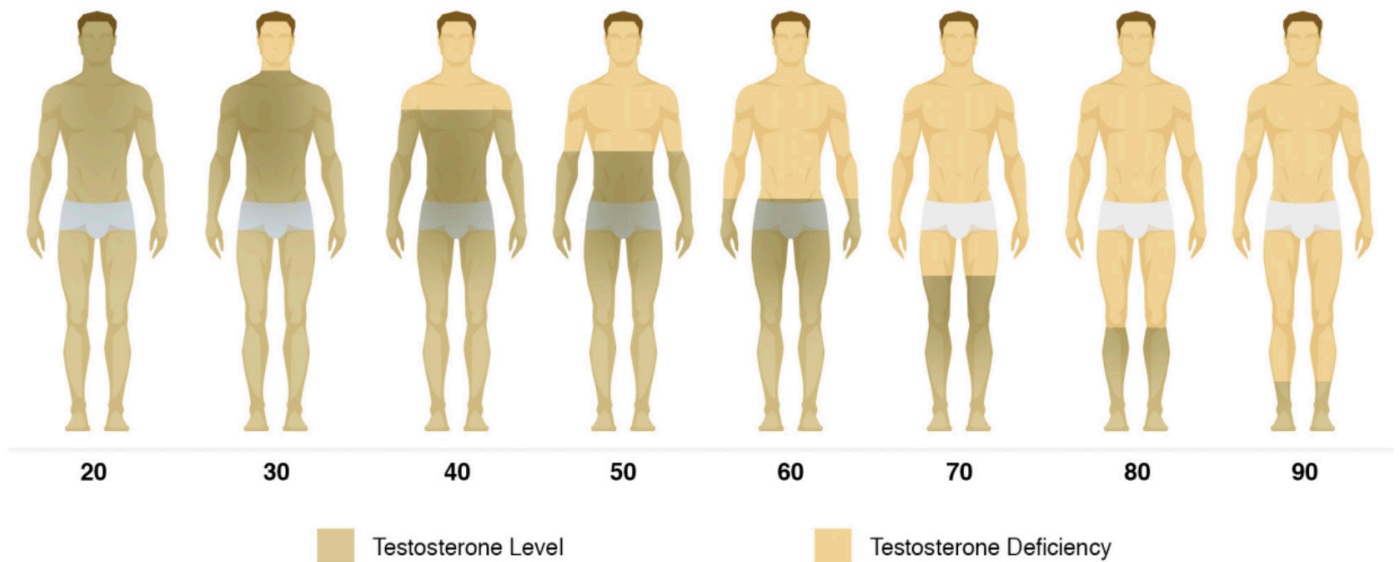
**80%**

Of ED goes unreported because both practitioners and patients are not comfortable discussing their sexual health

**57%**

Of those who report ED are 40-60 years old

## Male Testosterone is needed for blood vessel to function



**Testosterone levels decline with age**

# Types of Pharmaceuticals

## (PDE-5 Inhibitors)

<b>Medication</b>	Viagra (sildenafil)	Levita (vardenafil)	Cialis (tadalafil)	Stendra (avanafil)
<b>Type</b>	PDE-5 Inhibitor	PDE-5 Inhibitor	PDE-5 Inhibitor	PDE-5 Inhibitor
<b>Dose</b>	25-100mg	5-20mg	5-20mg	50-20mg
<b>Peak Time</b>	1 hour	42-54 minutes	2 hours	15-30 minutes
<b>Gone from body</b>	8-12 hours	8-12 hours	26 hours	8-12 hours
<b>Contra-indicated</b>	Nitrates	Nitrates	Nitrates	Nitrates
<b>FDA Approval</b>	3/29/98	8/20/03	2/02/04	4/01/12
<b>Effects of eating and drinking</b>	No food or drink 1-2 hours before	Not effected by food or alcohol	No food or drink 1-2 hours before	Not effected by food or alcohol
<b>Side Effects</b>	Headache, flushing, nasal congestion, adnormal vision, hearthburn, bloodshot eyes	Headache, flushing, nasal congestion, adnormal vision, hearthburn, bloodshot eyes	Headache, flushing, nasal congestion, adnormal vision, hearthburn, bloodshot eyes, backache, leg cramps	Headache, flushing, nasal congestion, adnormal vision, hearthburn, bloodshot eyes, backache, leg cramps
<b>Other</b>	For many patients the most potent. Negatives are shorter half-life (than Cialis), less effective when taken with fatty meal. Most side effects.	Greater selectivity (and thus usually fellow side effects) than Viagra. Slower to take effect when taken with fatty meal.	Greater selectivity (and thus usually fellow side effects) than Viagra.	Greater selectivity (and thus usually fellow side effects) than Viagra. Slower to take effect when taken with fatty meal.

# Traditionals Treatments

## (PDE-5 Inhibitors)



**VIAGRA**  
(sildenafil)



# Pharmaceuticals are not for everyone

Patients with the conditions listed below should avoid PDE-5 inhibitors



- Severe forms of heart failure
- Use of nitroglycerine
- Severe forms of heart disease, such as arrhythmias, unstable angina, a recent heart attack
- Very low blood pressure (hypotension)
- Uncontrolled high blood pressure (hypertension)
- Uncontrolled diabetes
- Recent history of stroke
- Retinitis pigmentosa (PDE-5 non-responders)

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## Side effects of Pharmaceuticals

- Doesn't allow for spontaneity of intimacy
- Headache, flushing, runny nose, indigestion
- Back pain (Cialis) and indigestion
- Some men (<2%) experience prolonged or painful erections
- Visual problems (blurred vision, increased sensitivity to light, bluish haze) may occur



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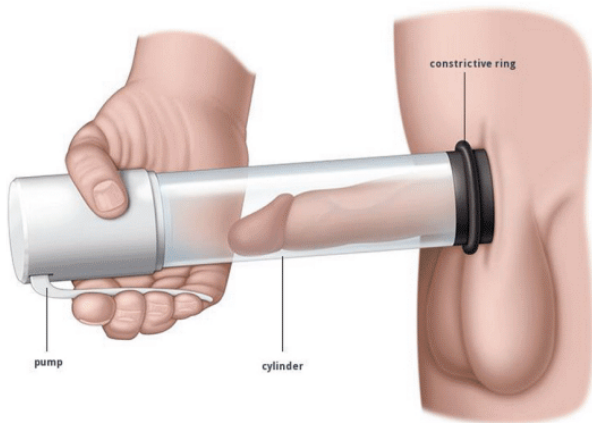
## Clinical Studies

- Non-invasive treatment using Low-Intensity Extracorporeal Shockwave Therapy (LI-ESWT)
- Based on series of over 40 clinical studies showing 75+% success rate in treating ED



## Additional Option

# Penis Pump



- Use at home after GAINSWave® treatment for “workout” to increase blood flow
- Uses vacuum suction to pull blood into the penis to achieve natural, sustainable erections
- Over 90% of patients find relief with Vacuum Erection Device (VED), regardless of underlying cause of ED



[www.GAINSWave.com](http://www.GAINSWave.com)