

MAXIMIZING Athletic Performance using Immunocal

John Molson

Vice President, R&D Dr. Jimmy Gutman

Senior Medical Consultant



John Molson Vice President, R&D Founding Shareholder

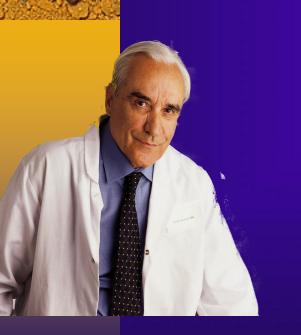






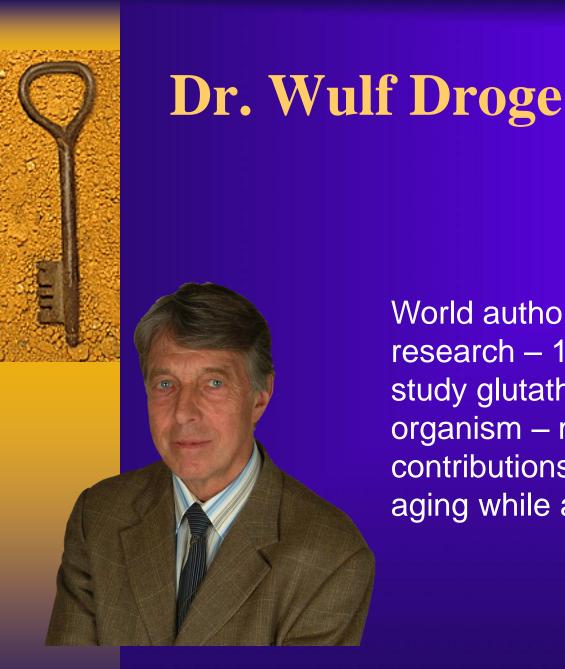
Dr. Gustavo Bounous, MD, FRCS(C)

Formed company in 1996 to commercialize the discovery of Immunocal



Dr. Bounous - world authority in the field of whey protein research - 1st in the world to publish the association between whey protein (Immunocal[®]) and glutathione.

Extensive research and development program at that time looking at the effect of Immunocal[®] in different pathologies.



World authority in aging and cancer research – 1st person in the world to study glutathione in a living organism – made important contributions in cancer research and aging while at Immunotec.

Evolution of our Scientific Platform





1980' s

1990' s



Immunotec's "WELLNESS PARADIGM"

Athletic Performance

Anti-Aging

Immune Function

Powering the ultimate version of you!

IRCM (Institute de Recherches Cliniques de Montréal, U de M)

The effect of whey protein isolate rich in cysteine (Immunocal[®]) combined with physical exercise on muscle function, body composition and inflammatory cytokine levels in the elderly: a randomized, double-blind study.







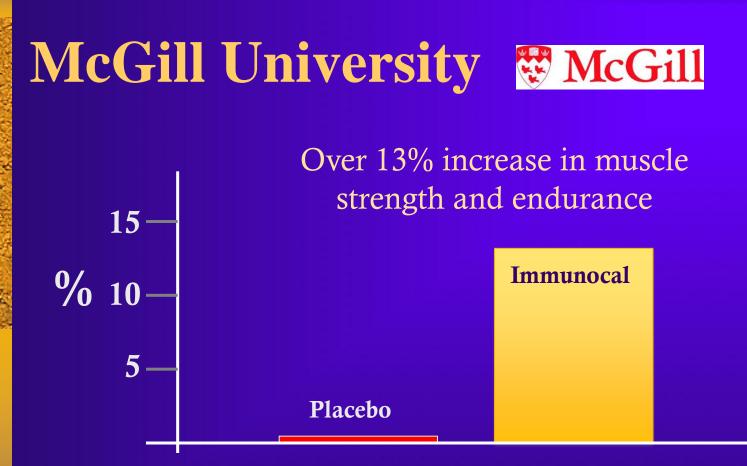
University of Kentucky

The effect of Immunocal[®] in elite cyclists and triathletes.









Effect of supplementation with a cysteine donor on muscular performance. *Lands LC, Grey VL, Smountas AA.* Journal of Applied Physiology 87(4): 1381-5, 1999



Testing









Game Changing Analytics











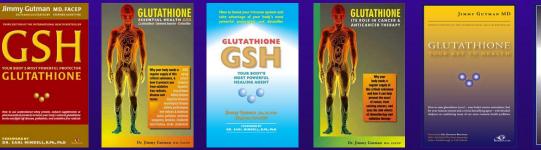


Jimmy Gutman MD

Senior Medical Consultant, Immunotec



- World's leading author on glutathione (GSH)
- Books in five languages
- International lecturer and media personality
- Board certified physician
- Former director of training Emergency Medicine, McGill University, Montreal, Canada







Immunocal

Key to Optimal Performance





Immunocal Kay to Optimal Parformance

Key to Optimal Performance

Improves your DEFENSE (boosts the immune system)

Improves your OFFENCE (boosts physical and mental performance)



Immunocal Key to Optimal Performance



The richest source of natural glutathione precursors



GLUTATHIONE (GSH)





1980 4,000 Medical References 2023 175,478+ Medical References

Medical Visibility

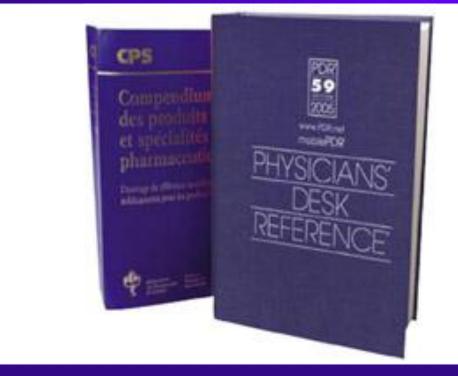
Oxidative Stress in Cancer, AIDS, and Neurodegenerative Diseases

CONCESS LUC NONTENTION EENE OLIVIIE LUTEENINE PRODUCT Chapter 42: Nutriceutical modulation of glutathione with a humanized native milk serum protein isolate, Immunocal. Application in AIDS and cancer



Luc Montagnier Nobel Prize for Medicine 2008

PDR (Physician' s Desk Reference)CPS (Compendium of Parmaceutical Specialties)



 On the desk of every Physician and every Pharmacist in North America

What can Immunocal do for Materia Mate

• Immune Function

• Immune Function

• Recovery

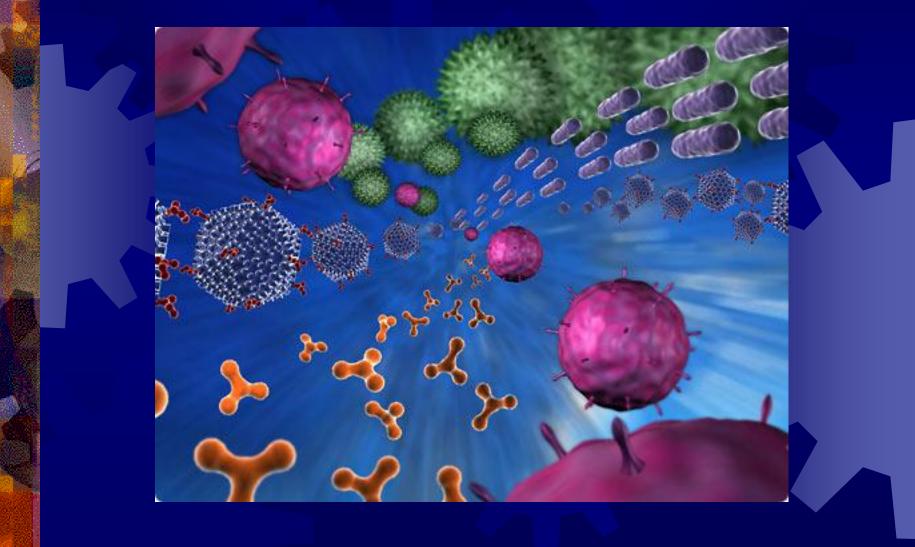
• Immune Function

- Recovery
- Muscle Mass

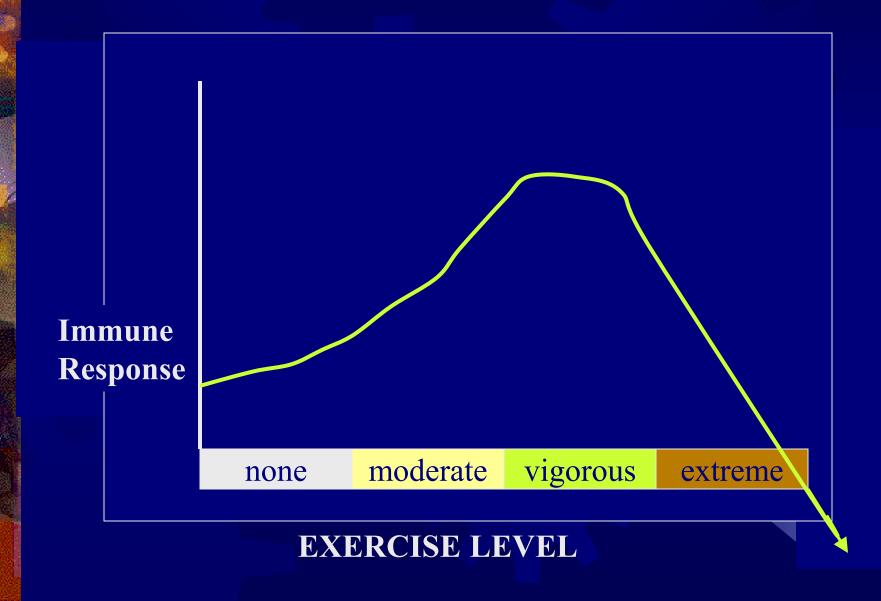
• Immune Function

- Recovery
- Muscle Mass
- Performance

Immune Function



Exercise and Immune Function



IMMUNE SYSTEM

"GSH/cysteine deficiency is at the root of most wasting states"

W. Droge

"The limiting factor for the function and clonal expansion of lymphocytes is the availability of glutathione"

G. Bounous

"Food for the Immune System"

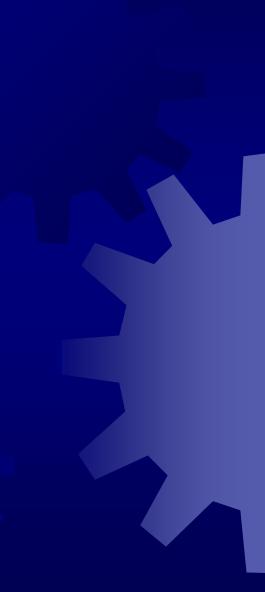
J. Gutman

Recovery







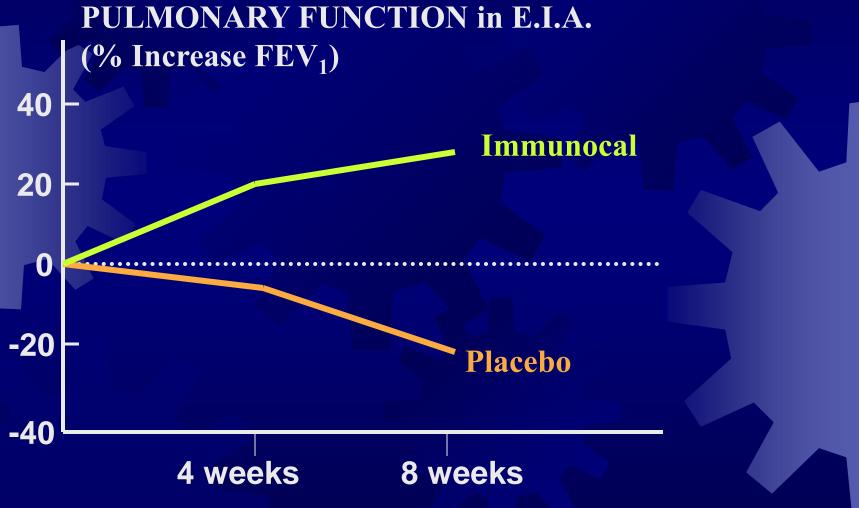


Recovery in Athletes

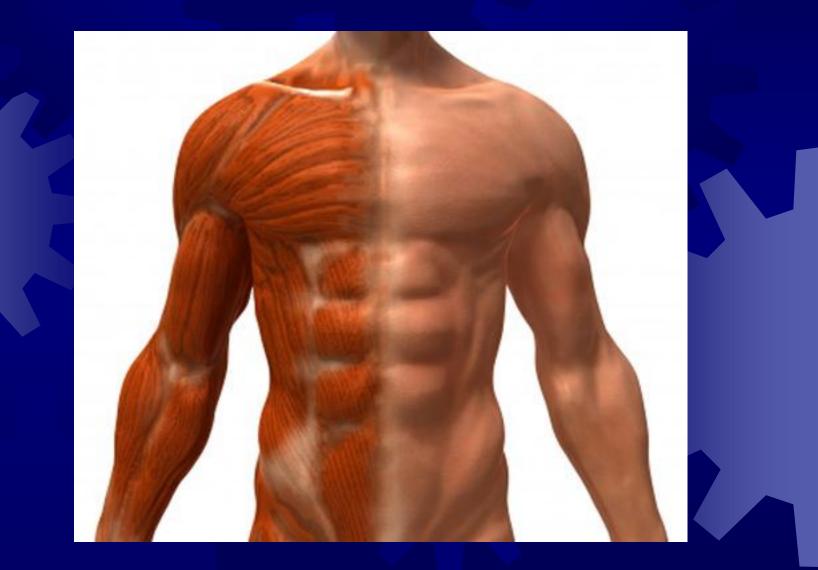
Acute injury
Delayed muscle soreness
Chronic stressors
Surgical recovery
Training frequency
Training intensity



Baumann Study Effects of a cysteine donor supplement on exercise-induced bronchoconstriction. Med Sci Sports Exercise 37: 1468-1473, 2005



Muscle Mass



Maintenance of Lean Mass Problematic in overtraining Problematic in endurance sports Problematic in anaerobic exercise Problematic in mis-nourished athlete

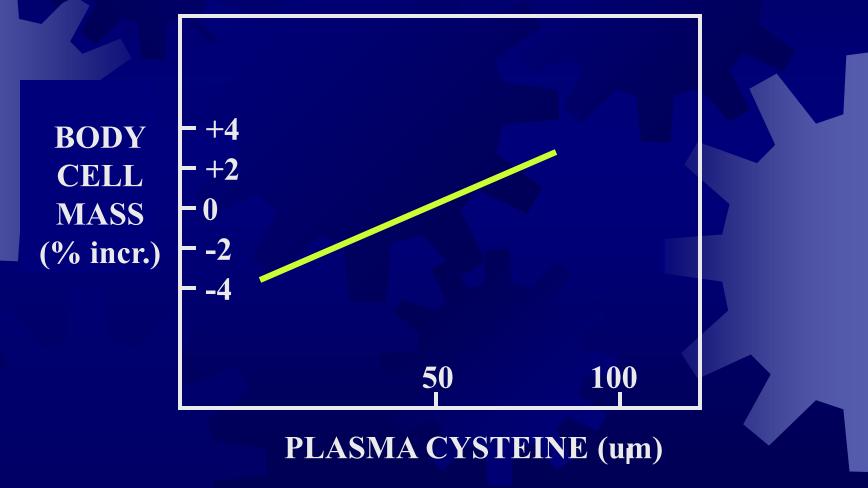
Cachexia / Lean Muscle Mass lost as season progresses

NHL Hockey



5 – 20 pounds lost over season

Kinscherf Study (J Mol Med 74:393-400, 1996) Using the glutathione precursor N.A.C.



Performance



Performance



Performance



Three Pillars of Performance



Anaerobic Performance



Anaerobic Performance Aerobic Performance



Anaerobic Performance

Strength

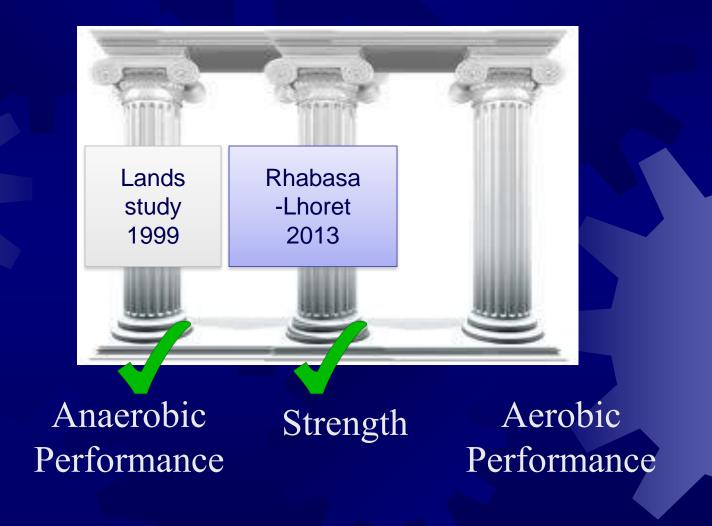
Aerobic Performance

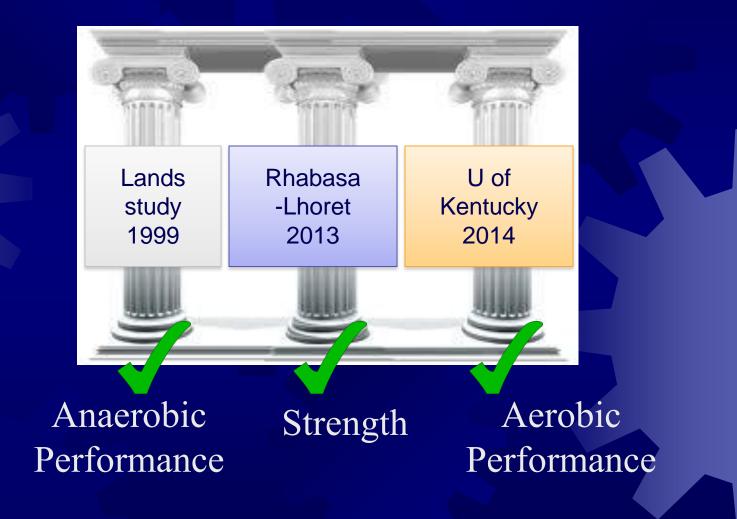


Anaerobic Performance

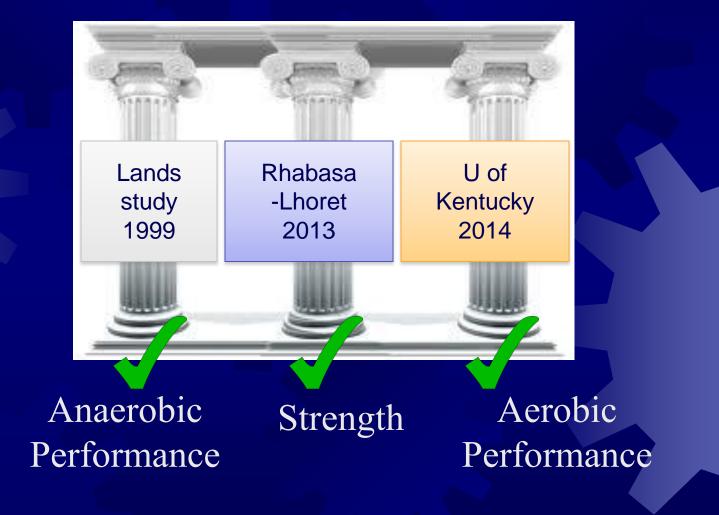
Strength

Aerobic Performance





We've got you covered!





Some of our Athletes



Myriam Capes

Canadian fitness
 Champion.



Justyna Kowalczyk

- Olympic Champion
- Double World Champion
- Triple winner of the FIS Cross-Country World Cup.
- She is one of only two female skiers to win the World Cup three times in a row.



Crystal Emmanuel

- 2011 Canadian
 National Champion
 200m, 100m
- 2010 Canadian Junior Record 4X100m relay



Jeff Frisch

Canadian Downhill Champion 4 times



"I am feeling confident and amazing on my skis these days – Injury and pain-free, which is something very strange to me!

I am more healthy than ever and feel like I have energy all day long."



Morgan Chaffin

Iron-Man Champion
Triathlon Champion





Robbie Wade

- Powerman Florida Champion
- NCAA Championship



"Ever since I have started taking Immunocal, I have been healthier and stronger. This allows me to train harder and recover at levels I could only dream of."

Sylvan Adams

- Quebec Provincial Master's champion
- Canadian National road Champion
- Pan Am Master's champion
- Maccabiah Games Champion



John Grant Jr.

- Team Canada Lacrosse
- Colorado Mammoth Pro Lacrosse club
- National Lacrosse League



Priscilla Lopes-Schliep

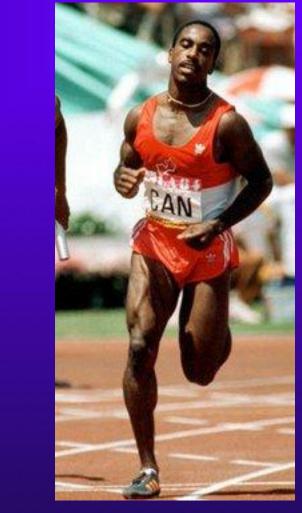
Olympic Bronze
 Medalist Hurdles





Desai Williams

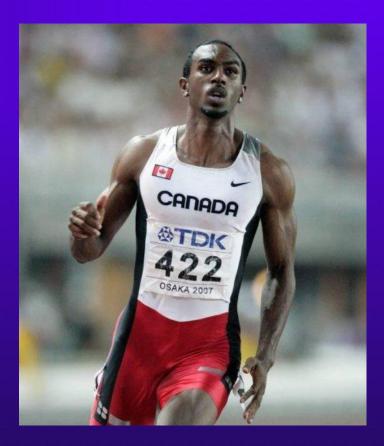
Olympic Track Coach





Anson Henry

Olympic team 100 m



Ingvar Moseley

- Canadian Sr. Champion
- Ontario Jr. Champion
- Canadian Jr. Champion
- OFSAA Track & Field Champion





Bruno Langois

Two-time National Medalist



"Every day, I push my limits. Illness has always been my main problem. Immunocal helps me optimize my recovery and boosts my performance. ... Immunotec is crucial for the achievement of my objectives."

Ashlea Maddex

- IAAF World Junior Track & Field
- Pan Am Junior Track & Field



Phylicia George

 Olympic Qualifier
 High Performance Group, Toronto



"As a high performance athlete, we' re always teetering a fine line between great performances and injury. The Immunocal products are proving to be a great help in my training and recovery."



Nikkita Holder

 Olympic Hurdler
 IAAF World Championship Games



Kerri Ann Mitchell

 Olympic Sprinter
 IAAF World Championship Games



Potential Clinical Benefits of Raising Glutathione in the Performance Athlete

Potential Clinical Benefits of Raising Glutathione in the Performance Athlete

PERFORMANCE

ENHANCEMENT

- Immunological support
- Recovery time
- Wound healing
- Maintenance of muscle mass
- Maintenance of bone mass
- Optimizing quantity of training -
- Optimizing quality of training
- Strength
- Endurance



Immunocal



Powering the ultimate version of you!



Immunocal



Powering the ultimate version of you!

