

VEINOPLUS[®] SPORT



ELECTROSTIMULATION FOR
PERFORMANCE & RECOVERY

FRENCH
TECHNOLOGY

A REVOLUTION IN SPORT RECOVERY

VEINOPLUS[®]
SPORT

Created in 2004 by Paris-based Ad Rem Technology, VEINOPLUS[®] device family has opened new horizons for the use of electro-stimulation in MEDICAL, SPORTS and WELL-BEING fields thanks to its innovative "Second Heart" technology.

After 3 years of R & D and in cooperation with the top athletes, Ad Rem Technology launches for London Olympic Games a decisive innovation in sport recovery: **VEINOPLUS[®] SPORT**.



3 EFFECTS

- Accelerated lactate clearance
- Local analgesic effect
- Relaxing action

2 RECOVERIES

- **Whole body recovery:** activates the Second Heart[®] (ie the calf-pump)
- **Local recovery:** relieves pain, prevents cramps and muscle soreness

1 PROGRAM

- Signal optimized for sport recovery
- Takes only a few minutes to be efficient



Clinically proven effects in 3 studies

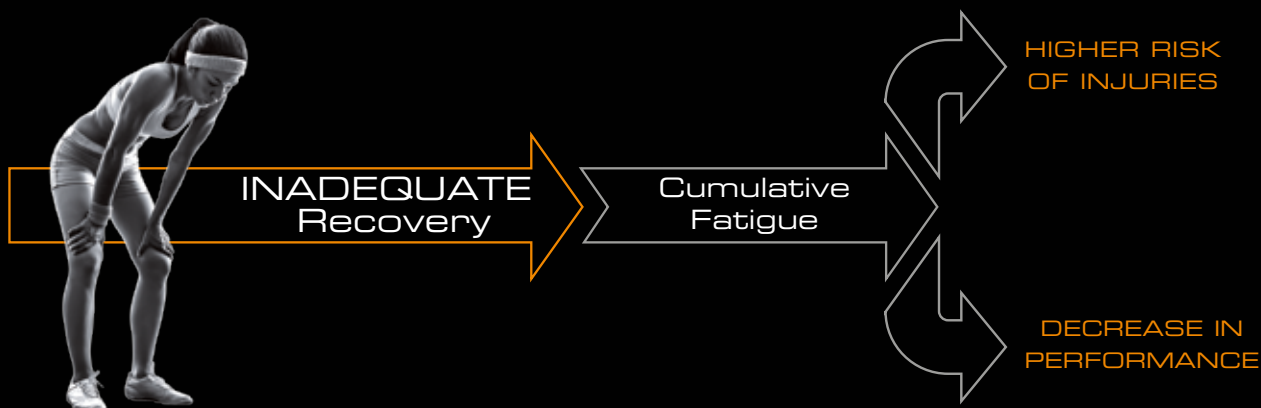
VEINOPLUS[®] SPORT is a
Medical Partner of the French
Basketball Federation



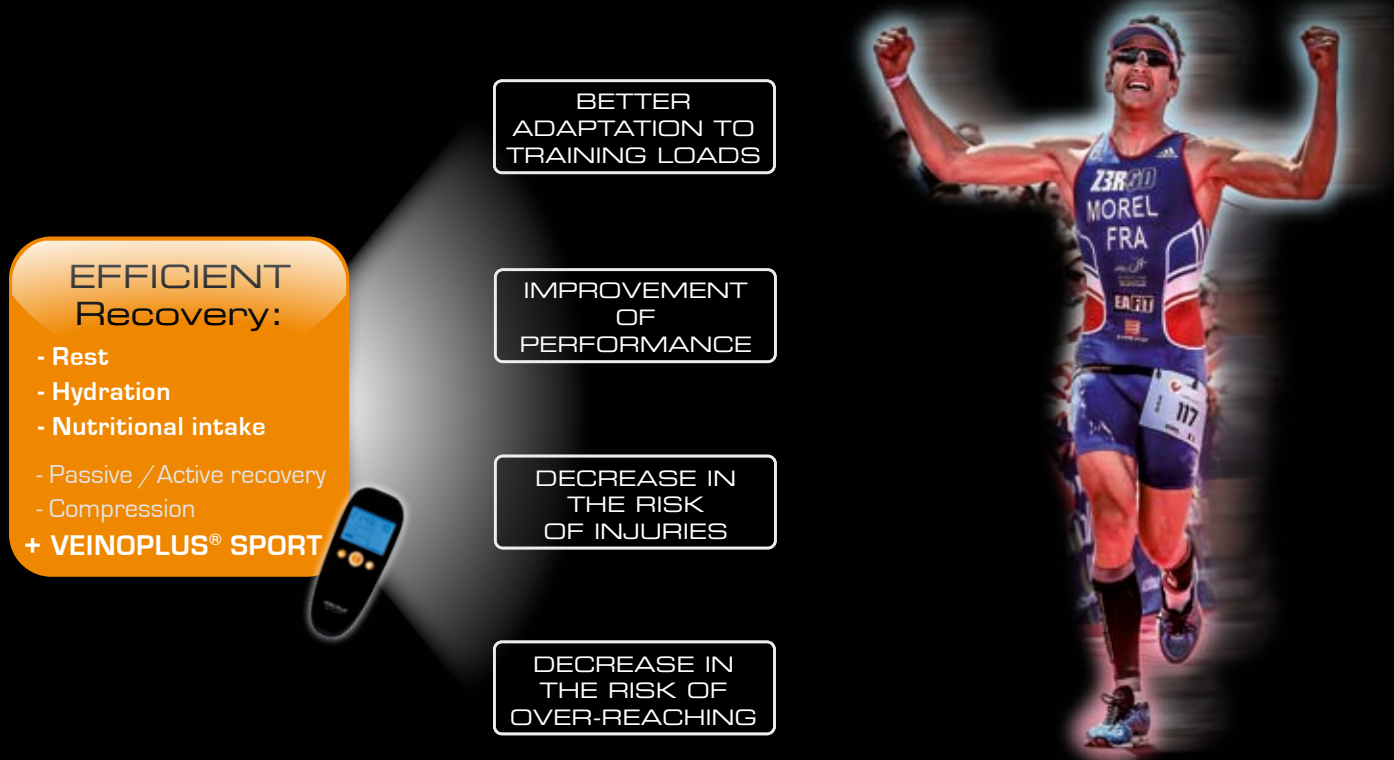
French
Basketball
team winning
European
Championship
in 2013

...RUNNING FOOTBALL RUGBY SWIMMING TENNIS
ATHLETICS BADMINTON TRIATHLON GOLF SKIING...

IMPROPER RECOVERY: WHAT ARE THE RISKS?



RECOVERY, THE KEY TO PERFORM



WHEN TO USE VEINOPLUS[®] SPORT ?

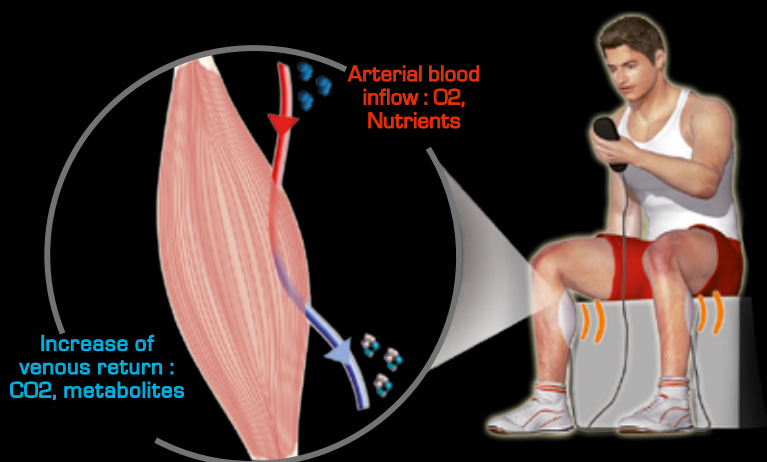
Training - Competition - Transport

SCIENCE BEHIND RECOVERY

VEINOPLUS[®]
SPORT

VEINOPLUS[®] SPORT delivers specific low frequency impulses to the muscles in order to cause their contraction. It improves arterial blood inflow and venous return, without significant O₂ consumption [no muscular work].

Whatever the sport, VEINOPLUS[®] SPORT brings the same effects as an active recovery, in passive conditions.



2 RECOVERIES IN 1 PROGRAM



Calf muscles

WHOLE-BODY RECOVERY

Applied on calves, your "Second Heart[®]", it enables an innovative global (systemic) recovery.

LOCAL RECOVERY

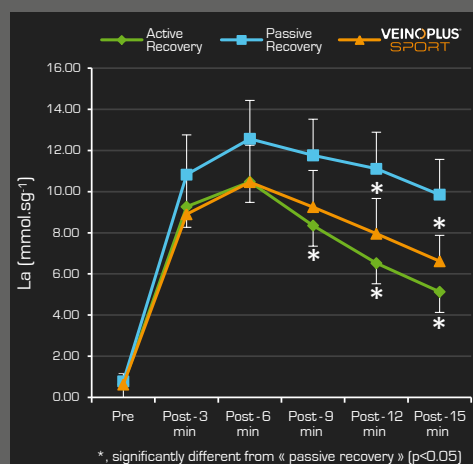
Applied on other muscles, it enables to recover locally, relieve and prevent pain.



Other muscles

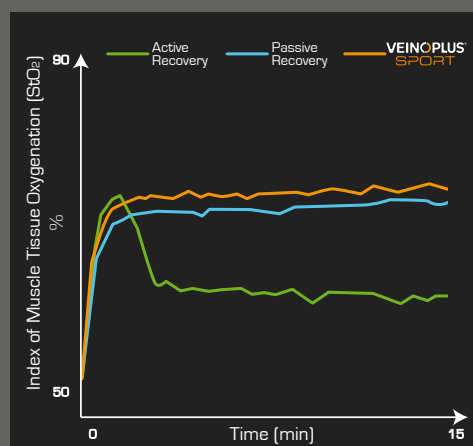
WHAT HAPPENS IN YOUR BODY?

VEINOPLUS[®] SPORT is similar to active recovery



Elimination of lactate depending on recovery modality

VEINOPLUS[®] SPORT does not trigger significant muscular work (no muscular fatigue)



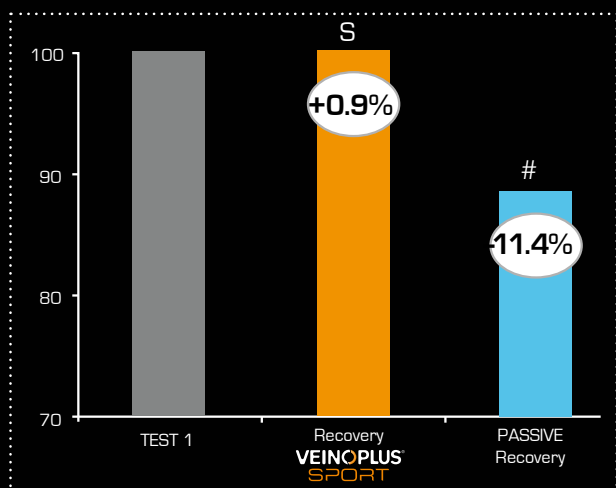
O₂ consumption in the calf depending on recovery modality

...RUNNING FOOTBALL RUGBY SWIMMING TENNIS
ATHLETICS BADMINTON TRIATHLON GOLF SKIING...



SOCCKER STUDY

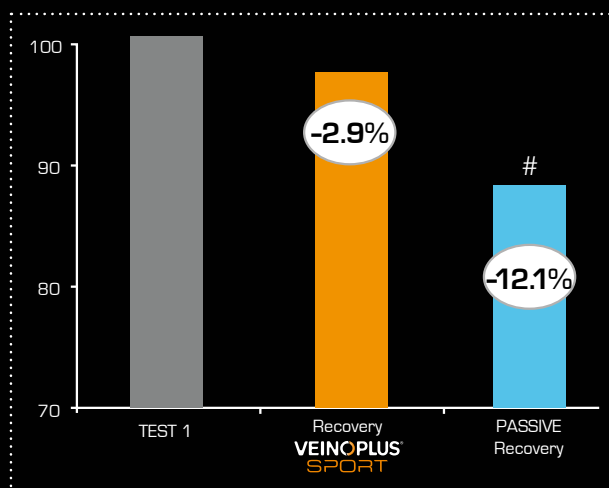
MEAN POWER (% of Test 1)



Comparison of passive recovery to Veinoplus[®] Sport in soccer players (pro or semi-professionals) in:
Bieuzen et al. 2012. *Journal of Athletic Training*.

MULTISPORTS STUDY

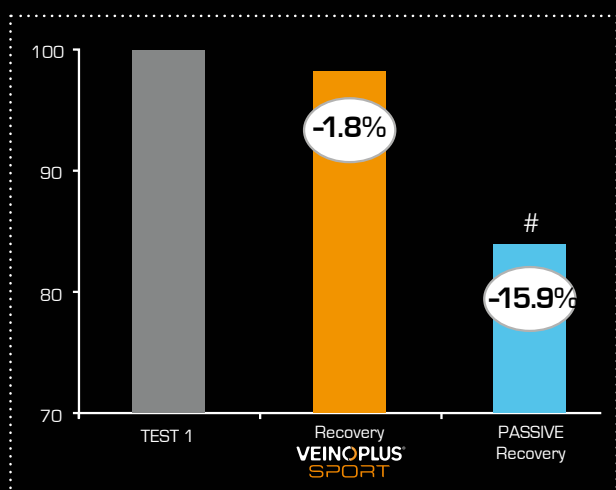
MAX POWER (% of Test 1)



Comparison of passive recovery to Veinoplus[®] Sport in multisport athletes (semi-professionals) in:
Borne et al. 2013. *Europ. College of Sport Science Congress*.

HANDBALL STUDY

DISTANCE REACHED (% of Test 1)



Comparison of passive recovery to Veinoplus[®] Sport on highly trained handball players (women) in:
Bieuzen et al. 2013. *Appl. Physiol. Nutr. Metab.*



Legend

S : significantly different from passive recovery ($P < 0.05$)
: significantly different from test 1 ($P < 0.05$)



3 Clinical Studies.
In collaboration with
INSEP Research Lab
(France).



References:

- Recovery After High-Intensity Intermittent Exercise in Elite Soccer Players Using VEINOPLUS[®] Sport Technology for Blood-Flow Stimulation. Bieuzen et. al, *Journal of Athletic Training* 2012.
- Influence of post-exercise limb blood flow stimulation on performance recovery. Bieuzen et. al, Presented at European College of Sport Science 2013 congress.
- Positive effects of low frequency electrical stimulation during short-term recovery on subsequent high intensity exercise. Bieuzen et. al, *Appl. Physiol. Nutr. Metab.* 2013.

OUR PARTNERS

VEINOPLUS[®]
SPORT



French Pro Cycling Team



French Wrestling Federation



French Judo Federation



UBB Rugby Team



French Taekwondo Federation



Fédération Française de Hockey



French Basketball Federation



French Squash Federation



French Volley Ball Federation



Le Havre Athletic Football Club



French Research Lab



Alexis Pinturault, Alpine Skiing
World-Cup Technical Group



Anne-Caroline Graffe, French
Team of Taekwondo



Laetitia Payet,
French Team of Judo



N. Batum, E. Fournier,
J. Lauvergne, F. Pietrus,
French Team of Basketball

CONTENT OF THE BOX

- 1 VEINOPLUS[®] SPORT device
- 1 travel pouch
- 1 pair of electrodes
- 1 cable
- 1 lanyard
- 1 9V battery
- 1 user's manual
- 1 YEAR GUARANTEE



...RUNNING FOOTBALL RUGBY SWIMMING TENNIS
ATHLETICS BADMINTON TRIATHLON GOLF SKIING...

COACH & MEDICAL STAFF



NICOLAS BOISSON

Cycling Coach / Project BTWIN U19 Racing Team Manager

« I discovered Veinoplus[®] technology when I was a cyclist, and I was convinced from the start. Very small, you can use it in a car, on a plane, in front of your computer or your TV. The single program of this device is a strong point, as it is really easy-to-use yet efficient. Today, as I am a coach, I highly recommend Veinoplus[®] Sport to my cyclists, because I think it is a very useful tool that you must have in your bag at anytime. »

PASCAL GOHIER

Physiotherapist, French Basketball Team

Since two years, French Basketball Team men players have been using Veinoplus[®] Sport, especially during the 2013 Euro campaign.

Simplicity of use, rapidity of action and strong effects of the device should enable us to use it for other situations than rehabilitation during the next competitions. We are thinking about using it on the most active players at half-times. To conclude, Veinoplus[®] Sport is recognized as an true asset for top-athletes physiotherapy. »



ATHLETES



ANNE-CAROLINE GRAFFE

2012 London Olympic Games Vice Champion - French Taekwondo Team (+67kg)

« Veinoplus[®] Sport changed my vision of electrostimulation. I was not keen on those devices, but since I tried Veinoplus[®] Sport, I have become a regular user. Practical and functional, I can put it in my bag and carry it with me at all times. During taekwondo training, we often receive kicks which can stop us from doing our recovery jogging. Thanks to Veinoplus[®] Sport, we can finally recover while staying seated ! »

CHRISTOPHE JALLET

2012/2013: French League 1 Champion, Champions League: Quarter Finals 2013

« I use Veinoplus[®] since two seasons, to recover after the matches or the trainings. Easy to use and to carry, it allows me to recover faster, while remaining seated, for example during coach travels. I start to feel its benefits since a few minutes of use. Its little extra : Veinoplus is very effective to relieve painful areas after a kick! »



FRANÇOIS CHABAUD

Triathlete, 5th Ironman South Africa 2013 - 3rd Ironman Nice 2012

« I use Veinoplus[®] Sport before my training, in order to better prepare myself to hard sessions, and to help me to speed up my recovery. I take this small device, with only one program, everywhere with me, it has become a daily partner. Veinoplus[®] Sport is really helpful and participates to my results. »

VEINOPLUS[®] SPORT



AD REM TECHNOLOGY

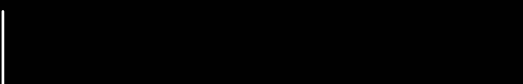
162, rue du Faubourg Saint-Honoré
75008 Paris France

Tel. +33 (0) 1 42 60 00 22

Fax. +33 (0) 1 42 60 00 63

www.veinoplus-sport.com

Distributed by



Ad Rem Technology : certified ISO 13485 : 2012
Veinoplus[®] Sport : Patented N° FR 2 869 808 B
US Patent 8,175,713 / Registered design

CE 0535