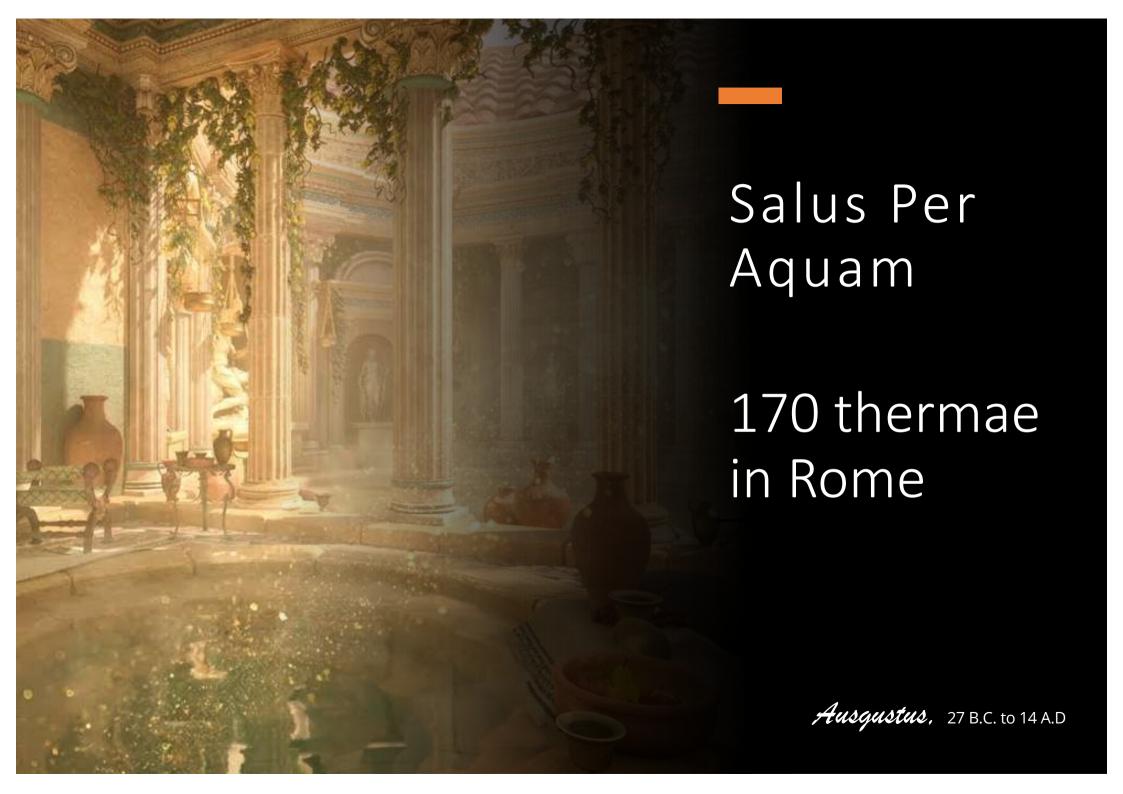
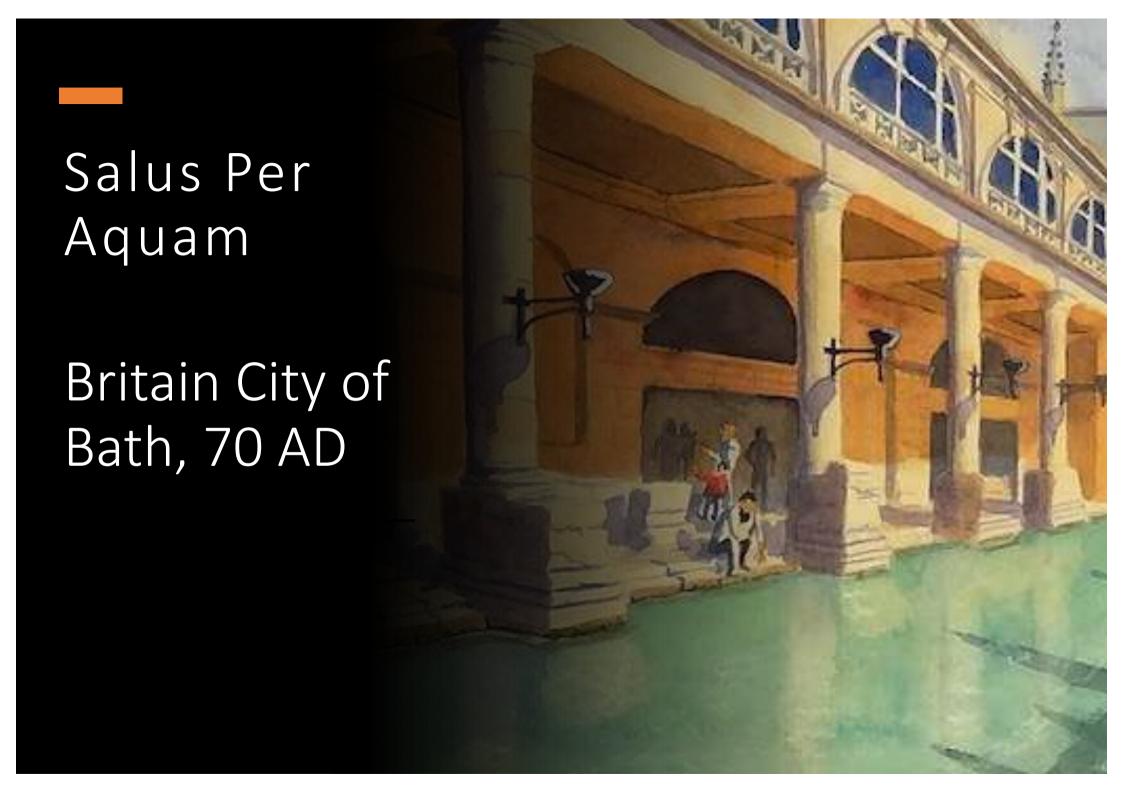


Conflitto di Interesse:
- Vincitore Grant competitivo FORST relativo a studi vascolari e neurologici in ambito termale









>50% chance

of having to deal with it

Gianesini S, Chi YW, Agüero C, et al. Fake-news-free evidence-based communication for proper vein-lymphatic disease management. Int Angiol. 2023













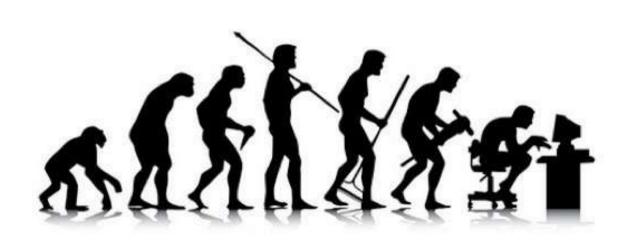
SEDENTARY LIFE

in the last 20 yeasr

from 15 to 69%.

Neville Owen

Sedentary Behavior: Emerging Evidence for a New Health Risk Mayo Clin Proc. 2010 Dec; 85(12): 1138–1141







OBESITY

SEDENTARISM

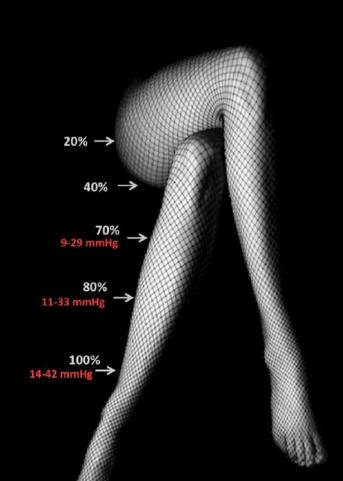












Stevin's Law a natural graduated compression

 $p = \rho g h$

 $1 \text{ cmH}_2\text{0} = 0.74 \text{ mmHg}$

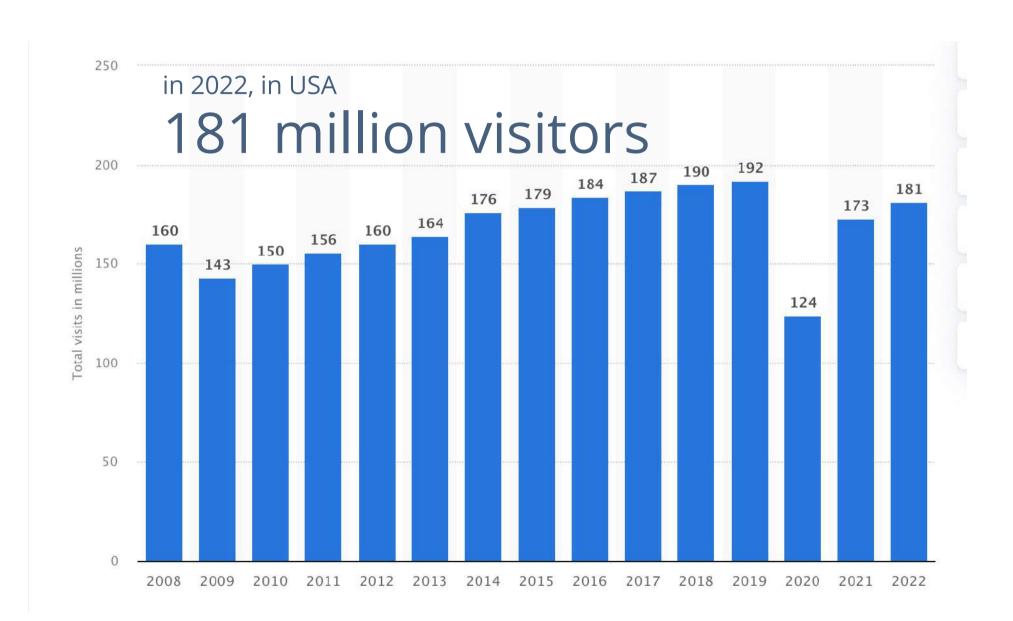
← 20 cm 40 cm 70% **51.5** mmHg **—** 80 cm 58.84 mmHg **= 120** cm 88.26 mmHg









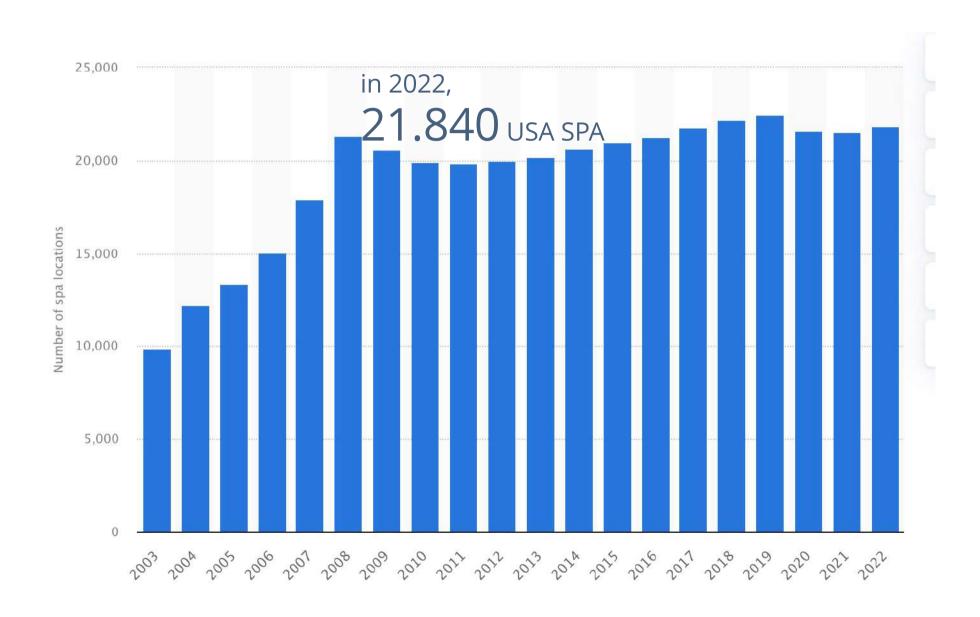








statista 🔽





involvement in multi-specialty reach-out



LYMPHOLOGISTS World Congress



Italian GPs DAY

CARDIOVASCULAR Japan National Event



RUSSIA INT MEDICINE

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Science Per Aquam



HYDRIOLOGY World Congress



ITALY REHAB



AWARDED

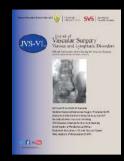




Gianesini S, Menegati E, et al A specifically designed aquatic exercise protocol to reduce chronic lower limb edema. Phlebology. 2017



Menegatti E, Gianesini S. The Effects of Thermal Water Physical Exercise in Patients with Lower Limb Chronic Venous Insufficiency Monitored by Bioimpedance Analysis. Diagnostics (Basel). 2020



Menegatti E, Gianesini S.
Randomized controlled trial
on Dryland And Thermal
Aquatic standardized
exercise protocol for chronic
venous disease (DATA
study).

J Vasc Surg Venous Lymphat Disord. 2021



Menegatti E, Gianesini S. Physical fitness changes induced by thermal aquatic standardized exercise in chronic venous disease patients. Phlebology 2021

Edema

Symptoms

Mobility

Extracellular fluids

Edema
Symptoms
Mobility
Venous caliber
QoL

Heart rate

Blood pressure





Science Per Aquam



Lowest Risk of Bias

Thibert A, BD.

Systematic review of adapted physical activity and therapeutic education of patients with chronic venous disease.

J Vasc Surg VLD 2022 Nov;10(6):1385-1400.

Investigator	sequences (selection bias)	Allocation concealment	pants and personnel	result evaluation	data on results	Selective declaration	Other biases
Menegatti et al. ¹⁸ 2021	LRB	LRB	LRB	LRB	LRB	LRB	LRB
Gürdal Karakelle et al. ³¹ 2021	LRB	LRB	LRB	LRB	LRB	LRB	Uncertain
Menegatti et al. ¹⁹ 2020	HRB	HRB	HRB	HRB	LRB	LRB	Uncertain
Sharifi et al. ²⁵ 2020	LRB	Uncertain	Uncertain	Uncertain	LRB	LRB	HRB
Domingues et al. 2018	LRB	LRB	Uncertain	LRB	LRB	LRB	Uncertain
Klonizakis et al. ³⁸ 2018	LRB	LRB	Uncertain	LRB	HRB	LRB	HRB
Ercan et al, ³² 2017	HRB	HRB	HRB	HRB	LRB	LRB	HRB
dos Santos Aquino et al, ³³ 2016	HRB	HRB	HRB	HRB	LRB	LRB	HRB
Gianesini et al. ²⁰ 2016	HRB	HRB	HRB	HRB	LRB	LRB	HRB
Forestier et al. ²² 2014	LRB	LRB	HRB	LRB	LRB	LRB	Uncertain
Carpentier et al. 2014	LRB	Uncertain	Uncertain	LRB	LRB	LRB	Uncertain
Heinen et al, ³⁷ 2012	LRB	LRB	Uncertain	Uncertain	LRB	LRB	HRB
Van Hecke et al, ⁵⁶ 2011	HRB	HRB	HRB	HRB	Uncertain	Uncertain	HRB
Kahn et al, ³⁵ 2011	LRB	LRB	HRB	LRB	LRB	LRB	HRB
Carpentier et al. ²⁴ 2009	LRB	Uncertain	Uncertain	LRB	LRB	LRB	Uncertain
Edwards et al, ³⁰ 2009	LRB	Uncertain	Uncertain	Uncertain	LRB	LRB	Uncertain
Zajkowski et al, ²⁵ 2006	HRB	HRB	HRB	HRB	LRB	LRB	HRB
Edwards et al, ²⁸ 2005	LRB	Uncertain	Uncertain	Uncertain	LRB	LRB	Uncertain
Edwards et al, ²⁹ 2005	LRB	Uncertain	Uncertain	Uncertain	LRB	LRB	HRB
Padberg et al, ²⁷ 2004	LRB	HRB	HRB	HRB	LRB	HRB	HRB
Mancini et al, ²¹ 2003	LRB	Uncertain	Uncertain	Uncertain	LRB	LRB	HRB



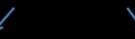
Hydrotherapy







WATER



INTRINSIC EFFECTS





- Viscosity
- Hydrostatic pressure



- · Variable energetic consume
- Increased mobility



IMMERSION-related

Buoyancy

Variable Continous

postural adjustment

Abraham P
Diameter and blood velocity change
in the saphenous vein during thermal stress.
Eur J Appl Physiol Occup Physiol. 1994



SERGIO GIANESINI, MD, PhD University of Ferrara

Hydrotherapy







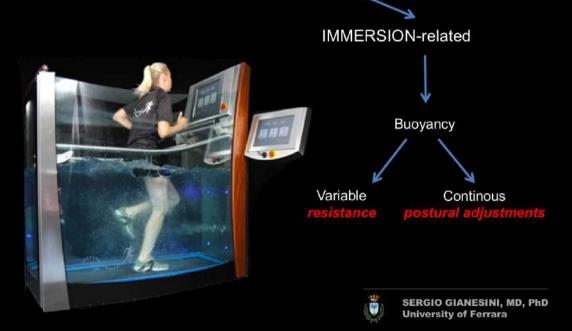
CHEMICAL PROPERTIES WATER INTRINSIC EFFECTS EXTRINISC EFFECTS

- Viscosity
- Hydrostatic pressure



- Variable energetic consume
- · Increased mobility

Abraham P
Diameter and blood velocity change
in the saphenous vein during thermal stress.
Eur J Appl Physiol Occup Physiol. 1994

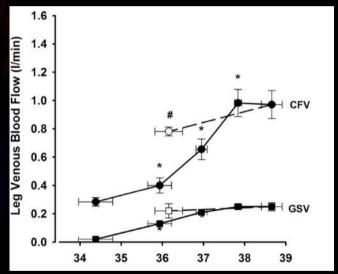








Chiesa ST. Temperature and blood flow distribution in the human leg during passive heat stress. J Appl Physiol (1985). 2016 May 1;120(9):1047-58.



Water TEMPERATURE role

in venous function

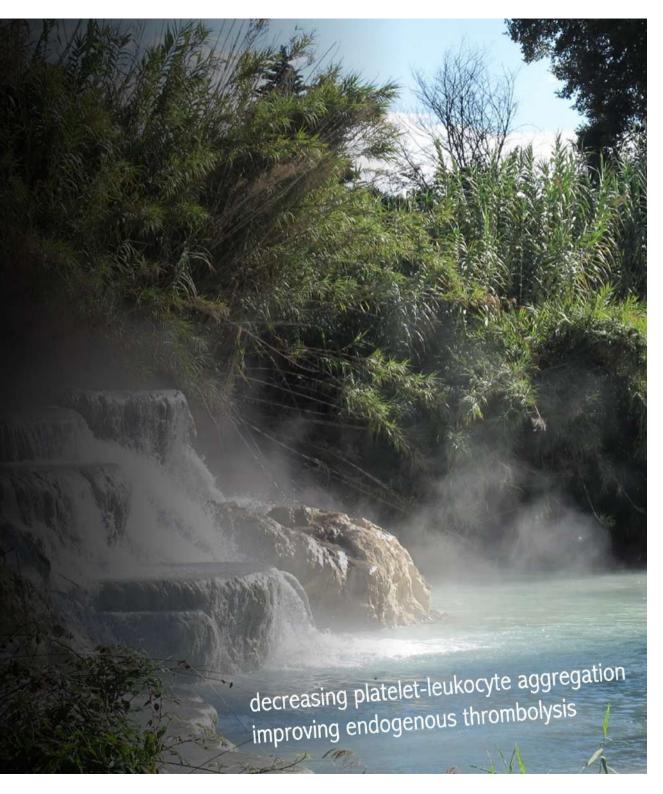




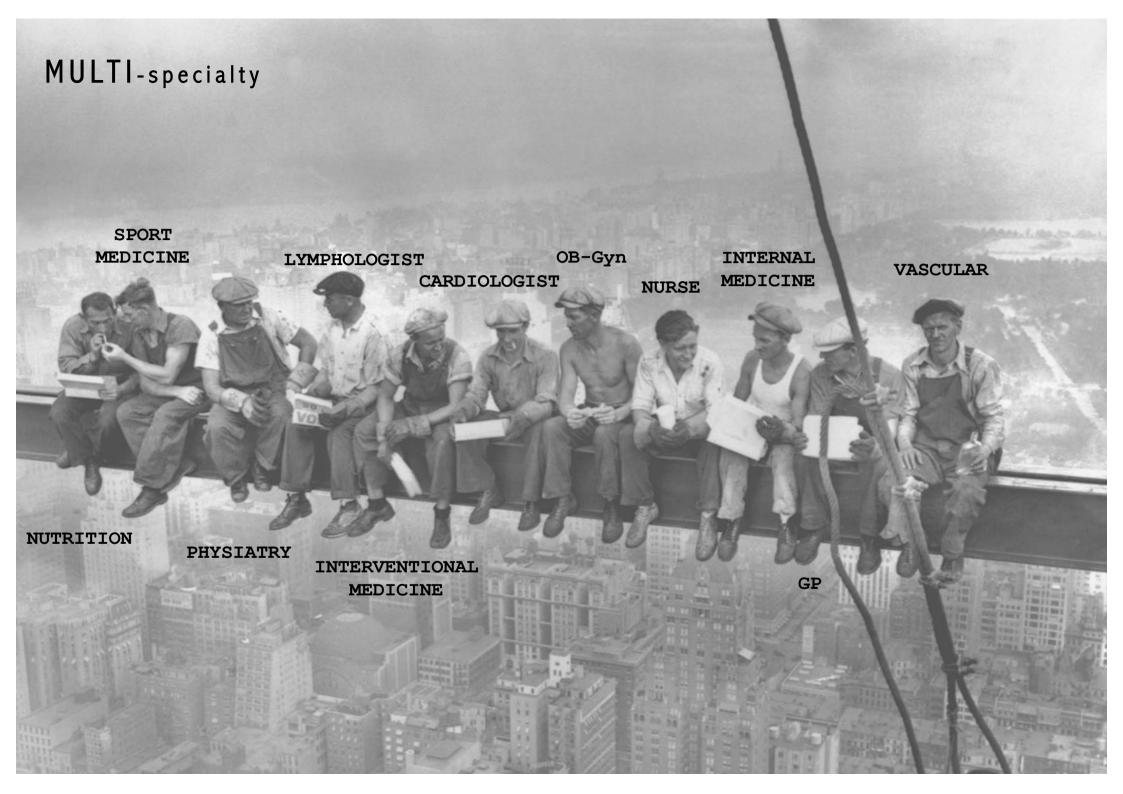
Thermal Water & COAGULATION CASCADE

Grambow E.

The effects of hydrogen sulfide on platelet–leukocyte aggregation and microvascular thrombolysis. *Platelets*. 2016;7:1–9.











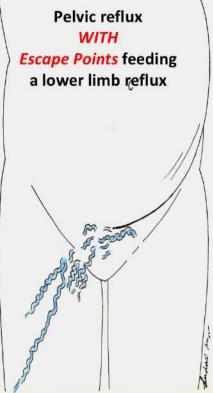
1 St PREVENTABLE CAUSE OF DEATH

JAMA. 2015 Nov 10; 314(18): 1913–1914. Improving Awareness and Outcomes Related to Venous Thromboembolism Cushman M

Drawing & picture from
TRANS-VAGINAL COLOUR DOPPLER ULTRASOUND IN THE DIAGNOSIS
OF PELVIC REFLUX

PIERI A., VANNUZZI A., NICOLUCCI A., LUDOVICI M., CAILLARD Ph., VIN F. Phlébologie 1999; 52(1): 45-51



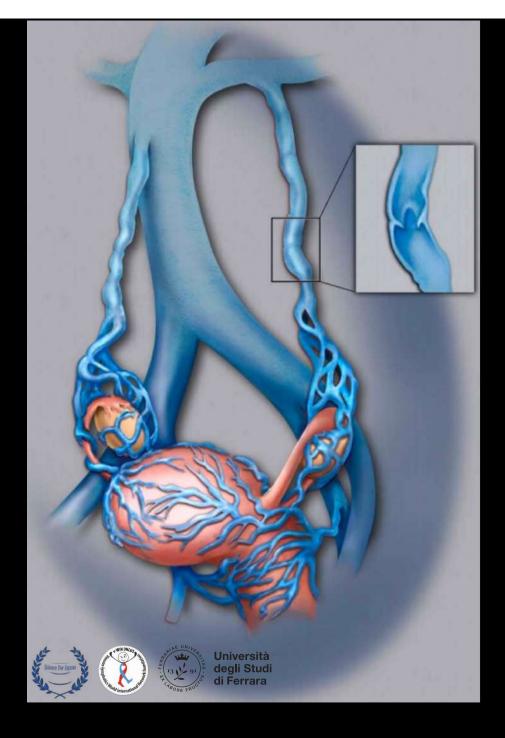


10% of varicose veins does NOT have a spahenous origin

Malgor RD
Pattern and types of nonsaphenous vein reflux.
Phlebology. 2013 Mar;28 Suppl
1:51-4.







pelvic PAIN

Taylor HC. Life situations, emotions and gynecologic pain associated with congestion. Res Publ— Assoc Res Nerv Ment Dis. 1949 Dec; 29:1051–6.

Taylor HC. The pelvic pain syndrome. J Obstet Gynaecol Br Emp. 1959 Oct; 66:781–3.











RAYMOND MARTIMBEAU PAULINE - CANADA



BROUWER ELS - NETHERLANDS



JAWORUCKA-KACZOROWSKA ALEKSANDRA - POLAND



NOCE VALENTINA - ITALY



STOUGHTON JULIANNE - U.S.A.



GRILLO LORENA - COSTA RICA



WASSILA TAHA - EGYPT



WANG JINSONG - CHINA





AGLIFRO CHANTAL - PARAGHAY









Acute Care Handbook for Physical Therapists













Int Angiol. 2012;31(2):105–15





Gianesini S RANDOMIZED CONTROLLED TRIAL ON OCCUPATIONAL GRADUATED COMPRESSION CLINICAL AND COST-EFFECTIVENESS Int Ang 2023

P<0.05

INHABILITY PERCEPTION





1510 euro benefit per subject







Besharat S.

Peripheral edema: A common and persistent

health problem for older Americans.

PLoS One. 2021 Dec 16;16(12):e0260742.











40%

medical website including FAKES

shared

 450.000_{times}









The Benefits of Swimming for Your Veins

June 19, 2018 | Written By



The Dual Role of Water Exercise

Working out in the water offers a dual benefit for varicose vein sufferers. First, swimming lessens the effect of gravity on the lower leg veins, which relieves the pressure on the vessels. Swimming also improves circulation in the legs, as the slight pressure of the water works the muscles so they can help the veins push blood back to the heart more efficiently. Swimming is also one of the few workouts that utilizes all of your muscle groups at one time, which improves your overall circulation even better than most other types of exercise.

Other Benefits of Swimming

In addition to benefiting your lower leg veins, swimming offers a variety of benefits for your entire body:

- Low-impact workout means lower risk for injuries
- · Improves flexibility and mobility of stiff joints
- · Aerobic activity improves oxygen use for healthier lungs and heart
- Works both the upper body and lower body at the same time
- Builds strength while toning the body

In addition to relieving the painful symptoms of varicose veins, regular swim workouts may even shrink swollen vessels that have already appeared. If you have not developed any varicose veins yet, swimming may help to keep those swollen veins at bay.





v-WINter DUBAI document for patients



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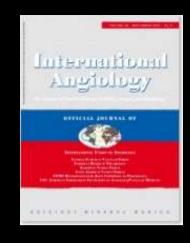


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Fake-news-free evidence-based communication for proper vein-lymphatic disease management. Int Angiol. 2023 Apr;42(2):89-189.





v-WINter DUBAI 2022 project: 71 institutions, 83 countries representation

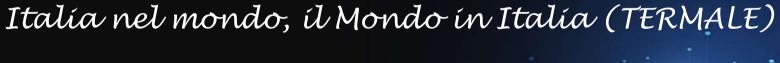




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40.357

v-WIN contacts





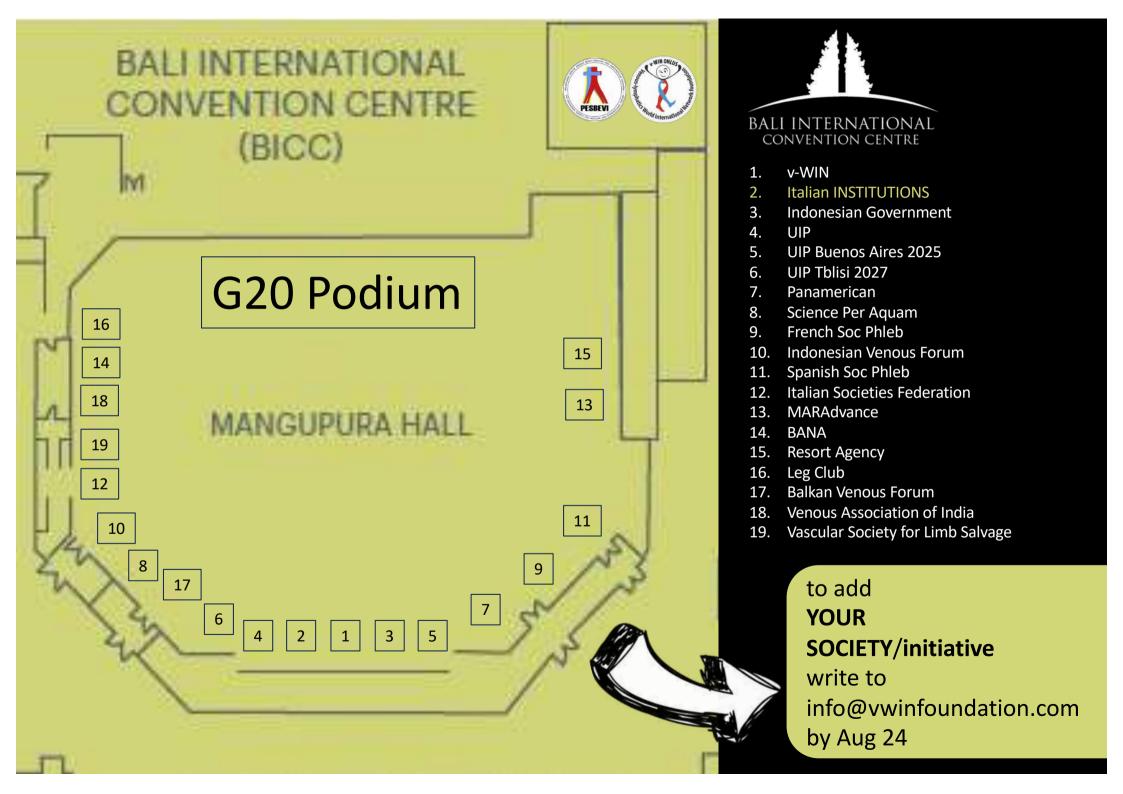






www.vwinfoundation.com/v-windonesia/





ISL'24 Lamghari Jaafar SIFL FRANCE WINNERS **GAAVS** ISL of 2023-24 free sessions of FRENCH kazakh 2023-24 events and selected **VIPP** SOCIETY OF Ven talks are invited at ITALY PHLEBOLOGY Forum Uzbek v-WINdonesia 2024 CCC Ven Polish Forum Canadian Aesth Soc Phleb Global Thrombosis Forum Him LatAF Vasc Venez. JSP 2023 EGVF Soc Phleb EBOEG VII **PHLEBO COBOFLIN** LATAM PAIRS 2023 Yasmina Chhih MOROCCO Roberto Meza Mohammed Abu Dhabi **COSTA RICA** IMAP Hiroko Nemoto Abdelaty **VIPP JAPAN** 2023 **EGYPT** Vein Course PANAMERICAN **EVSS** Joana 12°INT COBOFLIN Storino INTERUNI **BRAZIL** if you'd like to include Bali Island YOUR EVENT October 22-26, 2024 in the map please write to info@vwinfundation.com

