

N. 02-2018 Jul, year 3

Journal of Theoretical and Applied Vascular Research

Online ISSN 2532-0831 DOI: <https://doi.org/10.24019/issn.2532-0831>

A Journal on Research in Vascular Diseases, published three times a year

The Official Journal of the Vasculab Foundation

Editor-in-Chief

Fausto Passariello

Editorial Board

Basic Sciences, Biology and Medicine

Giovanni Agus, Francesco Albergati, Claudio Allegra, Pier Luigi Antignani, Malika Boucelma, Alberto Caggiati, Massimo Cappelli, Mariella Catalano, Domenico Corda, Stefano Ermini, Andrea Fontanella, Claude Franceschi, Giorgio Guarnera, Arkadiusz Jawien, Mark Malouf, Ferdinando Mannello, Sandro Michelini, Waldemar Lech Olszewski, Fausto Passariello, Malay Patel, Neil Piller, Angelo Scuderi, Massimo Vaghi, Carolina Weller

History and Philosophy of Science

Alessandra Passariello

Non-animal experiments

Alessia Maccaro, Alessandra Passariello, Fausto Passariello

Editorial office, image and communication

Iolanda Palma - jtavr@vasculab.eu

Operative Executive Board

Iolanda Palma, Alessandra Passariello, Fausto Passariello

Web Authoring

HTML, XML, XSLT, XSL-FO, Javascript, PHP, MySQL, L^AT_EX programming by Fausto Passariello

Online editing, graphics and advertisement, marketing

Aquarius s.r.l.

Cover

digital image, editing by Iolanda Palma.

Editor

Fondazione Vasculab impresa sociale ONLUS, Via Francesco Cilea, 280 - 80127 Napoli - Tel/Fax +39 081 7144110 - jtavr@vasculab.eu - <https://doi.org/10.24019/issn.2532-0831>

Pubblicazione quadrimestrale online. Autorizzazione del Tribunale di Napoli, n. 45 del 12 ottobre 2016. Anno 3 - N. 2.

Direttore responsabile: Dott. Fausto Passariello

The Journal of Theoretical and Applied Vascular Research (JTAVR) publishes scientific papers on vascular diseases, biological research, history and philosophy of science.



Manuscripts are expected to comply with the instructions to authors which conform to the Uniform Requirements for Manuscripts Submitted to Biomedical Editors by the International Committee of Medical Journal Editors (www.icmje.org/).

Submission of manuscripts

Papers should be submitted directly online to the Editorial Office at the Fondazione Vasculab ONLUS website: www.vasculab.eu/jtavr/submissions.htm

The journal adheres to the principles of the Helsinki Declaration (<http://history.nih.gov/research/downloads/helsinki.pdf>) about research concerning human beings and to the International Guiding Principles for Biomedical Research Involving Animals (http://cioms.ch/publications/guidelines/1985_texts_of_guidelines.htm) recommended by the WHO. In addition, the journal strongly supports alternative non-animal experiments, in order to Replace, Reduce and Refine (3Rs) animal experimental designs.

For complete information about publication terms please contact the Editorial Office of JTAVR, Fondazione Vasculab impresa sociale ONLUS, via Francesco Cilea 280 Italy - Phone +39-081-7144110 - E-mail: jtavr@vasculab.eu.

Open Access Publication

All manuscripts submitted to JTAVR are assumed to be submitted under the Open Access publishing model. In this publishing model, papers are peer-reviewed in the normal way under editorial control. Submission and reviewing process are not charged. When a paper is accepted for publication the author is issued with an invoice for payment of a publication processing fee (see www.vasculab.eu/jtavr.xml). Payment of this charge allows JTAVR to recover its editorial and production costs and create a pool of funds that can be used to provide fee waivers for selected authors, for instance for invited authors, authors of papers on history and philosophy of science and for authors from lesser developed countries (see below).

Free download

Published papers appear electronically and are freely available from our website. Authors may also use their published .pdf's for any

non-commercial use on their personal or non-commercial institution's website.

Commercial use

No articles from the JTAVR website may be reproduced, in any media or format, or linked to for any commercial purpose (eg. product support, etc) without the prior written consent of JTAVR and payment to JTAVR of an appropriate fee.

Publication fees

Initial publications of JTAVR (up to presumably one year) are free of charge for invited Authors and for the members or supporters of the Vasculab Foundation. For the Vasculab Foundation membership see www.vasculab.eu.

Article types

Editorials, original articles, review articles, systematic reviews and meta-analyses, randomised controlled trials, research protocols, original case reports, case series, therapeutical notes, clinical images, clinical videos, letters to the Editor, guidelines, special articles (like history and philosophy of science), invited sessions, reprints of historical papers of actual interest.

In order to submit an article online, follow the step by step instructions at www.vasculab.eu/jtavr/submissions.htm

Preparation of manuscripts

Footnotes or endnotes

JTAVR does not encourage the use of footnotes. Generally, they are not used in medical journals, but they are tolerated, especially in articles in the field of history and philosophy. Footnotes or endnotes must be quoted in Low Caps Romans in rectangular brackets (example: [iv] and cited as^[iv]).

References

- Only cited references can be included in the bibliography. They must be numbered in Arabic numerals, in the exact sequence as they are firstly cited (example: "1").

- Bibliographical entries in the text should be quoted using superscripted Arabic numerals (cited as¹).

- References must be set out in the standard format approved by the International Committee of Medical Journal Editors (ICMJE), as described in the document Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly work in Medical Journals <http://www.icmje.org/icmje-recommendations.pdf>.

A simplified but comprehensive list is given in www.nlm.nih.gov/bsd/uniform_requirements.html.

Citation examples

Standard journal article

List the first six authors followed by et al.

Halpern SD, Ubel PA, Caplan AL. Solid-organ transplantation in HIV-infected patients. *N Engl J Med*. 2002 Jul 25;347(4):284-7.

As an option, if a journal carries continuous pagination throughout a volume (as many medical journals do) the month and issue number may be omitted.

Halpern SD, Ubel PA, Caplan AL. Solid-organ transplantation in HIV-infected patients. *N Engl J Med*. 2002;347:284-7.

Books and Monographs

Author(s) and editor(s)

Breedlove GK, Schorfheide AM. Adolescent pregnancy. 2nd ed. Wiecek RR, editor. White Plains (NY): March of Dimes Education Services; 2001.

Chapter in a book

Meltzer PS, Kallioniemi A, Trent JM. Chromosome alterations in human solid tumors. In: Vogelstein B, Kinzler KW, editors. *The genetic basis of human cancer*. New York: McGraw-Hill; 2002. p. 93-113.

Electronic materials

Homepage/Web site

Cancer-Pain.org [Internet]. New York: Association of Cancer Online Resources, Inc.; c2000-01 [updated 2002 May 16; cited 2002 Jul 9]. Available from: <http://www.cancer-pain.org/>.

Vasculab mailing list

Provided you know the number '#' of the message, the format of the citation here follows, where the date of the last access is required (following the Vancouver style) and the symbol '#' must be replaced with the effective number of the message:

Author(s) name(s). Vasculab Yahoo Groups. The Vascular List. Message '#'. <https://it.groups.yahoo.com/neo/groups/vasculab/conversations/>

messages/# Accessed on line on 'date of last access'. A (free) subscription to Vasculab is required.

Historical monographs

The format will be specified in next future.

File of tables

Each table should be submitted as a separate file. Formats accepted are .doc and .rtf. Each table must be numbered in Roman numerals and accompanied by the relevant title. Notes should be inserted at the foot of the table and not in the title. Tables should be referenced in the text sequentially.

File of figures

Each figure should be submitted as a separate file. Formats accepted: JPEG set at 300 dpi resolution preferred; other formats accepted are TIFF and PNG. Figures should be numbered in Arabic numerals and accompanied by the relevant title. Figures should be referenced in the text sequentially.

Histological photographs should always be accompanied by the magnification ratio and the staining method.

Color illustrations

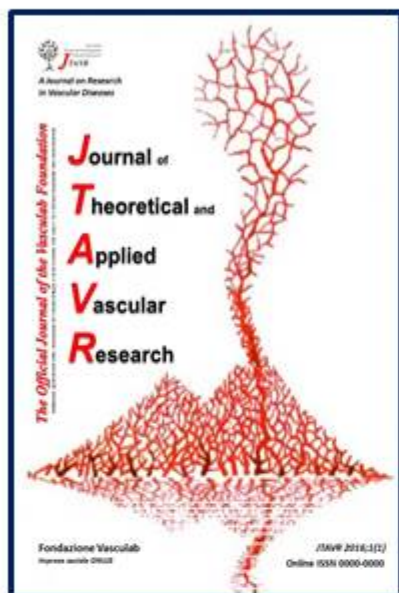
Open Access papers appear electronically. As no printed issues of JTAVR are produced there are NO additional charges for color illustrations.

However consider that many people will print them in black and white. Thus for a better result in communicating your data, test also the black and white printing when choosing colors.

Fondazione Vasculab impresa sociale ONLUS

www.vasculab.eu

DONA IL TUO 5 PER MILLE



Sostieni le iniziative della Fondazione Vasculab ONLUS

- **Ricerca scientifica e divulgazione in Medicina**
- **Metodi alternativi** alla sperimentazione animale
- **Missioni mediche** umanitarie all'estero

Inserisci il Codice Fiscale della Fondazione

95218510634

nella dichiarazione dei redditi (Unico o 730)

nella sezione del **5 per mille**

Fondazione Vasculab impresa sociale (ONLUS)

Email fondazione@vasculab.it

tel/fax: +39 081 7144110 cell +39 3356250756



Invited commentaries

© 2021 Fondazione Vasculab impresa sociale ONLUS. All rights reserved.

Invited commentary on ‘Medicine and Phlebology: Time to Change?’, by A Cavezzi

H Partsch¹

¹Emeritus Head of the Dermatological Department of the Wilhelminen-Hospital, Medical University of Vienna, Austria.

submitted: Apr 1, 2021, accepted: Apr 1, 2021, Epub

Ahead of Print: May 21, 2021

Conflict of interest: None

DOI: [10.24019/jtavr.107](https://doi.org/10.24019/jtavr.107) - Corresponding author: Prof. Hugo Partsch, Hugo.Partsch@meduniwien.ac.at

© 2021 Fondazione Vasculab impresa sociale ONLUS. All rights reserved.

Keywords Chronic venous insufficiency, lymphatic disorders, translational medicine, indications to treat, epigenetic factors

This is an outstanding paper¹ written by an author who certainly knows what he is talking about by working for many years on phlebological and lymphological problems in his clinic every day. Based on his clinical background and on an extensive literature search he critically includes topics into this analysis of therapeutic issues which are rarely mentioned in clinical papers: e.g., thoughts on the etiology and pathogenesis of the clinical problem concerning epigenetic factors comprising 75% of the clinical problems like obesity, “sedentarism” and other factors of individual lifestyle (that could be changed) in addition to the inborn 25% chromosomal

heritage. Reimbursement issues are discussed- always also considering the individual satisfaction of the patients and the medical expenditure including the economic burden, factors that are rarely discussed in clinical papers.

The paper starts with five pages densely packed with general considerations concerning “biochemical processes of chronic low-grade cellular inflammation”, “integrative medicine interventions” and “cognitive biases in scientific research and clinical practice”. This all must be swallowed, before, in part 2, we are getting light at the end of the tunnel fully stuffed with unusual expressions and thoughts that may frighten a bloody clinician.

Here now starts Chapter2 presenting an excellent overview about the most important indications for our phlebo-lymphological therapy, critically presented by an extremely experienced master, (both in phlebology and lymphology) supported by a careful selection of references.

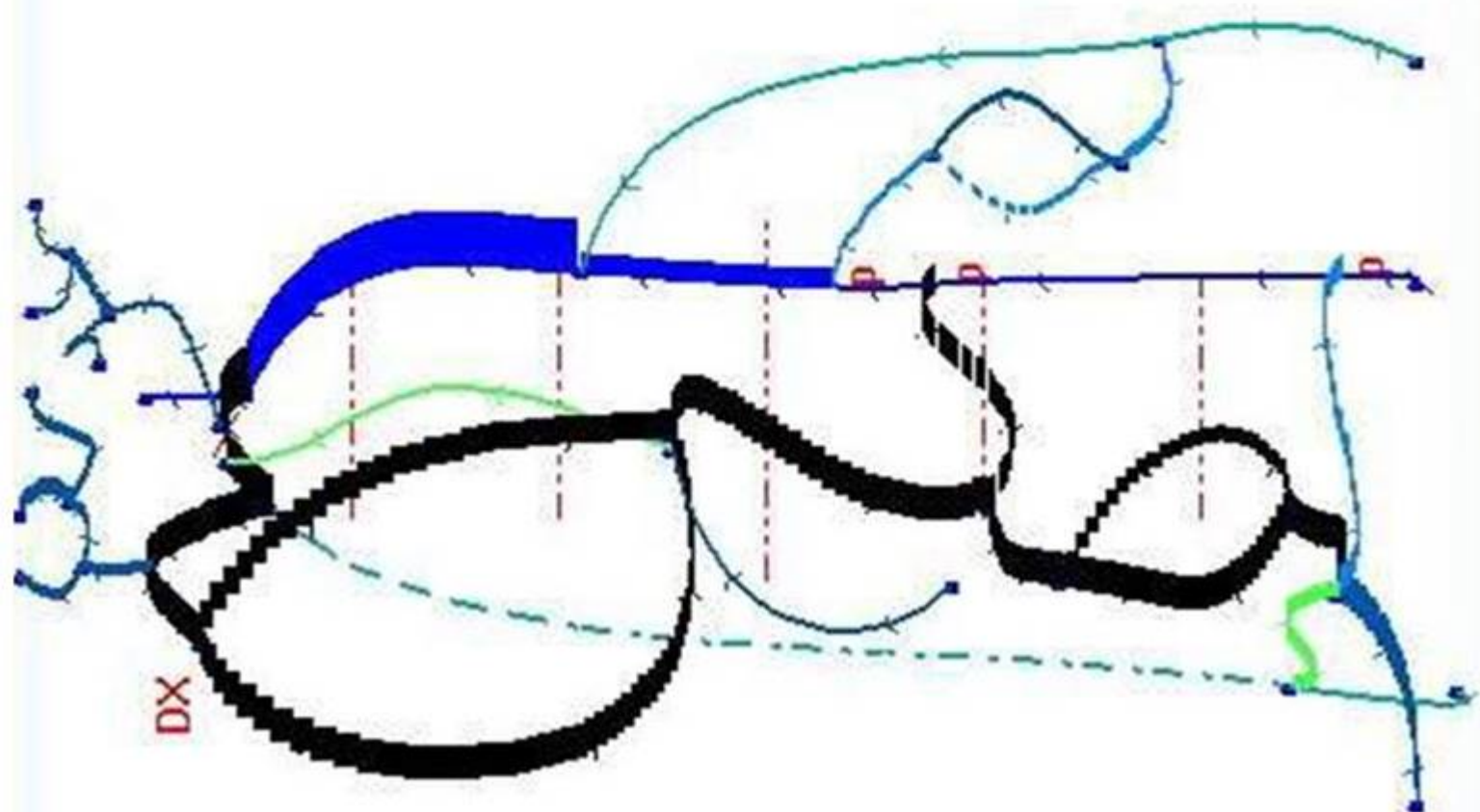
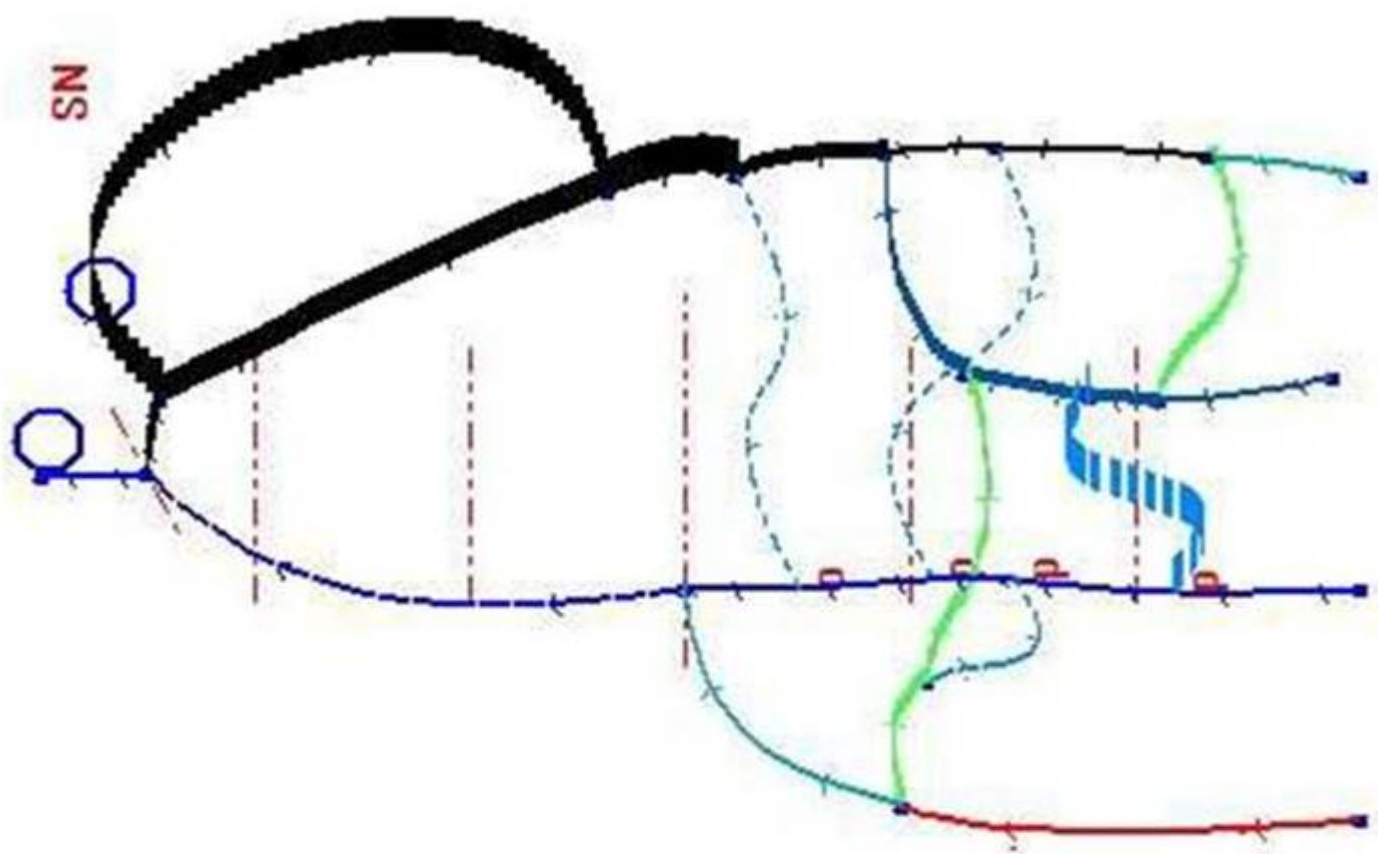
I would recommend that especially newcomers who are planning to open a medical practice dedicated to the wide field of phlebo-lymphology should read this text, finding well balanced proposals for established indications and to respect areas which might appear promising but still need to be evaluated by sound data!

Short paragraphs on “eminence-based and reimbursement-based phlebology and lymphology” and on “Flaws of patients, health professionals, industries, and politicians” conclude this amazingly dense and opulent article, which is a milestone of critical reporting the situation in phlebo-lymphology at the time being, encouraging clinicians to throw a glance behind the scenes of their daily routine.

Facing an explosion of therapeutic procedures in a population with growing age, the time to reconsider, and sometimes to change our daily work has come!

References

- 1) Cavezzi, A. Medicine and Phlebology: Time to Change? J. Clin. Med. 2020, 9, 4091. doi: <https://doi.org/10.3390/jcm9124091>



Memorial pages

© 2021 Fondazione Vasculab impresa sociale ONLUS. All rights reserved.

Professor Ken Myers

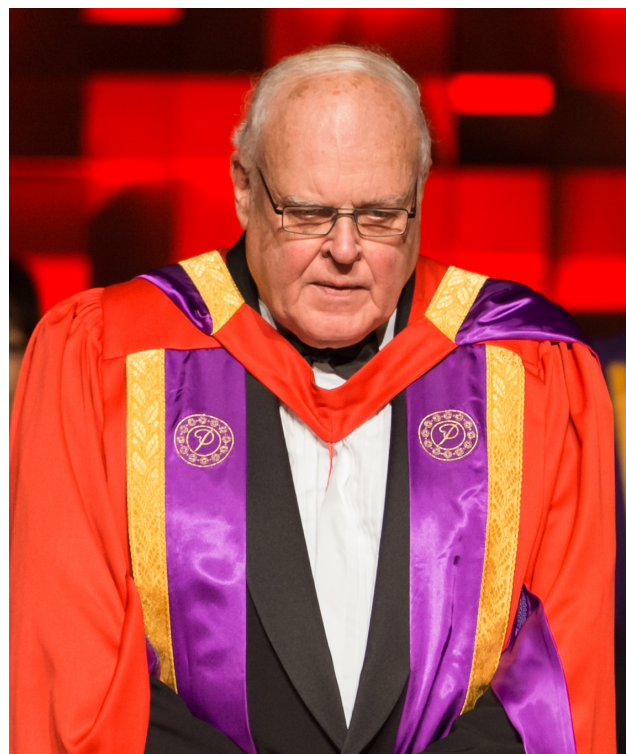
MB, BS (University of Melbourne)
FRACS, MS, FACS (1935 – 2021)

GM Malouf¹

¹Private practice, Sydney Australia
submitted: Apr 10, 2021, accepted: Apr 10, 2021, EPub
Ahead of Print: May 20, 2021
Conflict of interest: None

DOI: [10.24019/jtavr.108](https://doi.org/10.24019/jtavr.108) - Corresponding author: Dr. G
Mark Malouf, surgeon@varicoseveins.com.au

© 2021 Fondazione Vasculab impresa sociale ONLUS.
All rights reserved.



Professor Kenneth Arthur Myers

Australian phlebologists are extremely sad to learn that Prof Kenneth Arthur Myers has died in Melbourne, Australia, on 3 March 2021 at the age of 86.

Ken was for many years the most widely known phlebologist from Australia. He has been responsible for instilling scientific rigor into the study of our specialty, and has encouraged Australian and New Zealand doctors interested in venous disease to use scientific methods to evaluate then embrace new advances in the treatment of venous disease.

Ken Myers was Australia's preeminent venous researcher and publisher and teacher and supporter of all things venous. Everyone in the venous world internationally and at home was familiar with Ken, often with his wife Barbara, appearing at venous meetings all over the world, chairing, speaking and giving in-depth analysis of all fields in Phlebology.

Early in his illustrious career Ken Myers was part of the first UK vascular lab, the Irvine Vascular Laboratory at St Mary's Hospital, Paddington, London, where he developed true scientific insight. Collecting data on vascular patients and publishing scientific papers became paramount in his career.

Prof Myers was enthusiastic about many aspects of vascular surgery and medicine, but excelled in the venous area. He collaborated with many other eminent doctors, many of them on Vasculab, to publish much during his long career. Vascular imaging, especially duplex ultrasound, was an area Ken became famous for, and this led him on to research and publish on minimally invasive treatments for venous disease. Ken Myers had great leadership skills. Always he was very eager to trial, assess and adopt and teach new technology as it appeared.




Prof. Ken Myers and his wife Barbara at the Masquerade dinner of the 2013 Congress of the Australasian & New Zealand College of Phlebology (ACP), Hobart (Tasmania, Australia)

Prof Myers was a tall man who added gravitas to any venous meeting; everyone listened to his wisdom. He inspired many phlebologists in practice and research. He was an integral part of two Australasian Phlebology scientific groups. He was often the interface between clinicians and the Australian government in terms of rules and reimbursement and item descriptors. He was vitally

interested in raising the standard of Phlebology practice everywhere. He was always enthusiastic and encouraging to juniors. He was deeply respected by all his peers.

Vale Prof Kenneth Myers

Mark Malouf, Sydney, Australia



VASCULAB, the Vascular List!
Foam_PFO List
An International On Line Event
on Foam_PFO List - Support List: Vasculab

SCLEROSING FOAM AND PATENT FORAMEN OVALE

President: *J. Bergan*
Moderator: *F. Passariello*

VASCULAB, the Vascular List!
Foam_PFO List
An International On Line Event
on Foam_PFO List - Support List: Vasculab

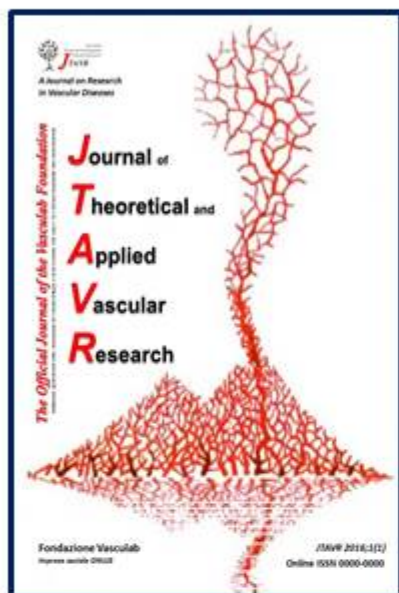
SCLEROSING FOAM AND PATENT FORAMEN OVALE

President: *J. Bergan*
Moderator: *F. Passariello*

Fondazione Vasculab impresa sociale ONLUS

www.vasculab.eu

DONA IL TUO 5 PER MILLE



Sostieni le iniziative della Fondazione Vasculab ONLUS

- **Ricerca scientifica e divulgazione in Medicina**
- **Metodi alternativi** alla sperimentazione animale
- **Missioni mediche** umanitarie all'estero

Inserisci il Codice Fiscale della Fondazione

95218510634

nella dichiarazione dei redditi (Unico o 730)

nella sezione del **5 per mille**

Fondazione Vasculab impresa sociale (ONLUS)

Email fondazione@vasculab.it

tel/fax: +39 081 7144110 cell +39 3356250756



Fondazione Vasculab

impresa sociale ONLUS. CF 95218510634. The Vasculab Foundation is a non-profit organization aimed to scientific research and to social solidarity.

Donations

You can donate using several methods: cash or bank check during a Vasculab associated event - by credit card - by bank transfer See at the page <http://www.vasculab.it/common/donate.htm>

Supporting membership

Even a minimal donation gives you the status of Supporting membership. Send by email your name and complete address and additional info about the type of help offered with your donation. By default, contributes are given generically to all the institutional activities of the Foundation.

But if you want, you can choose to give your contribute to support: - scientific research - a young researcher - a specific and already active scientific research of Vasculab (specify which one by email) - the organization of a specific educational/scientific event (specify which one by email) - alternate methods to animal experiments in scientific research - solidarity and health missions in low income countries

Ask for a receipt

Add other data in order to emit a correct receipt:

name of donating people or company, address, VAT number or any other info, according to your country fiscal laws.

VASCULAB, The Vascular List

Vasculab is a free-access non-profit vascular mailing list on Internet

VASCULAB was born in 1990.

Since August 2015 VASCULAB is the official mailing list of the "Fondazione Vasculab impresa sociale ONLUS".

TOPICS

Vascular Diseases Discussion List, Vascular Ultrasound Diagnosis, Vascular Biomechanics, Chiva Discussion List (Chirurgie Hemodynamique de l'Insuffisance Veineuse en Ambulatoire), Haemodynamic Venous Map (MEV), Minimal MEV, V N e t, the Model of the Venous Circulation, Micro-Circulatory Disorders,

Lymphatic Diseases, Lasers in Vascular Diseases, Foam and Sclerotherapy, Vascular Malformations.

VASCULAB RULES

1) VASCULAB is a restricted Yahoo! Message List, open only to members

2) Active participation to this List is subjected to approval of the Moderator.

3) Accepted members, mainly people of several professions involved in the management of vascular diseases, must respect generic "Netiquette" rules (Net Etiquette), as also the specific rules and the discussion topics listed in the first message they receive from the List.

4) Topics are many, but they all are scientific ones.

5) Direct consultation with patients is not allowed.

6) Drugs or medical devices promotion is forbidden inside the messages (as also hidden in messages, e.g. mail address of companies and their web sites).

7) Outside of the messages and clearly separated from them, commercial information can be given, though generally subjected to a fee.

If these rules do not comply with you, it's better to unsubscribe. Participating actively to the discussions automatically implies the Vasculab Policy agreement.

The Vasculab Foundation



The Vasculab Foundation

Journal of Theoretical and Applied Vascular Research

The Official Journal of the Vasculab Foundation

[Volume 6 Feb 2021 Issue 1](#)

Editorial Board	1
INSTRUCTIONS TO AUTHORS	2
Invited commentaries	5
Invited commentary on ‘Medicine and Phlebolympology: Time to Change?’, by A Cavezzi H Partsch	
Memorial pages	7
Professor Ken Myers GM Malouf	
Table of contents	12