

**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

## The VEIN Platform: an important tool for delivering high quality evidence

S Onida BSc(Hons) MD PhD FRCS(Vasc) on behalf of VEIN Collaboration Group  
Honorary Senior Lecturer in Vascular Surgery and Consultant Vascular Surgeon  
Imperial College London

**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

## Disclosures

- NIHR Accelerator Award Funding

**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

## Venous leg ulceration



**James Lind Alliance**  
Priority Setting Partnerships

**National Wound Care Strategy Programme**  
Excellence. Every Patient. Every Time.

**Vascular Surgery**  
Call to Action: Reducing Venous Ulcers by 50% Through 10 Years

**VENOUS LEG ULCERS: A SILENT CRISIS**

**Proceedings of the Pacific Vascular Symposium 6**  
Hawaii, Hawaii, November 10-15, 2018

**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study


**NIHR** National Institute for Health Research

## Epidemiology

Review Paper

Global Epidemiology of Chronic Venous Disease  
A Systematic Review With Pooled Prevalence Analysis

Sofi Salim, MBBS, BS, <sup>1</sup>Tim Mathew, MChD, MBBS, BSc, <sup>2</sup>Benjamin O. Palmones, FRCS, PhD, <sup>1</sup>Sarah Onida, MBChB, PhD, <sup>1</sup>and Alan H. Davies, MA, DSc, FRCS, <sup>1</sup>



CEAP	Pooled prevalence
C0	9%
C1	26%
C2	19%
C3	8%
C4	5%
C5	1%
C6	0.42%

- 2008 – 2018
- No major change in prevalence

**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

## Randomised Controlled Trials

**Randomized clinical trial of compression plus surgery versus compression alone in chronic venous ulceration (ECCMAH study) - haemodynamic and anatomical changes**


M. A. Gohel, J. B. Kavanagh, J. J. Kavanagh, R. P. Sheehan, D. C. Mould, M. R. Wilson and S. Patel

**ORIGINAL ARTICLE**

**A Randomized Trial of Early Endovenous Ablation in Venous Ulceration**

Margit E. Collet, M.D., Françoise Healey, B.Sc., Kinow Liu, Ph.D., Andrew Bellamy, M.D., Richard Bellamy, M.D., Wally O'Connell, Ph.D., David M. Gleason, Ph.D., Isaac Squirreball, B.Sc., John P. Reilly, M.D., Sophie Bellamy, M.S., Jane Marwick, Ph.D., and Alan H. Davies, D.Sc.  
for the VEIN Trial Investigators<sup>1</sup>

- Recruitment
- Time to results
- Time to publication
- Inclusion of novel technologies
- Industry integration
- Infrastructure
- COVID

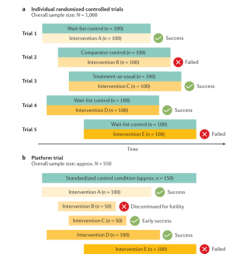


**VEIN** Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

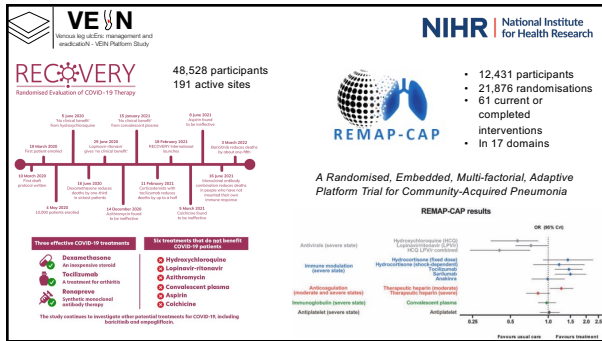
## Platform Trial

- Single infrastructure
- Multiple arms and interventions
- Single control arm
- Infrastructure able to add/ remove interventions



**Individual randomized controlled trials**  
Overall sample size: N = 1200

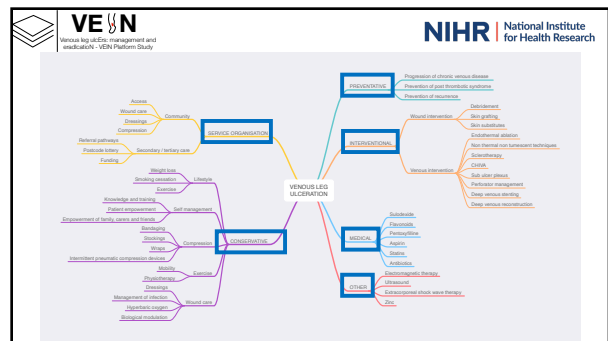
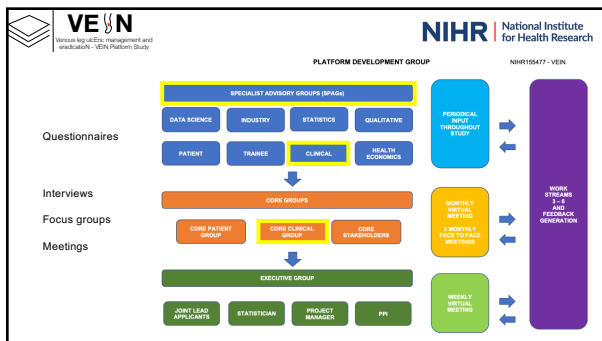
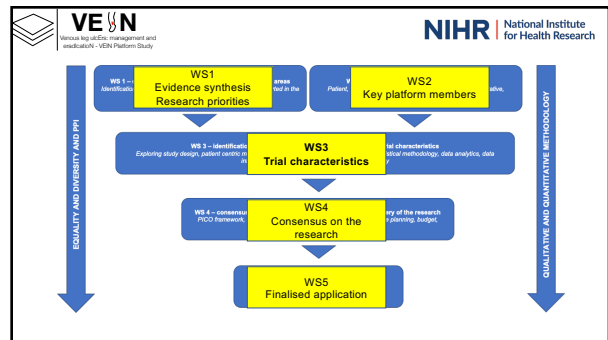
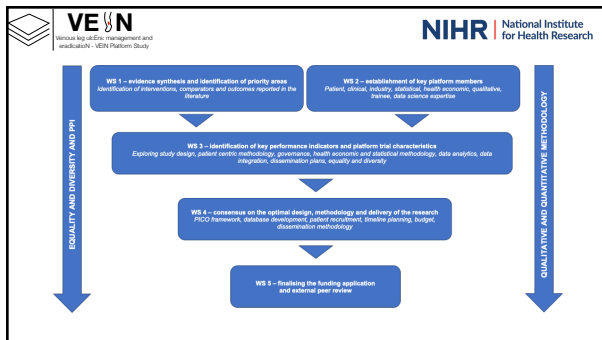
**Platform trial**  
Overall sample size approx. N = 1500



**VEIN platform**

- Accelerator award to set up platform infrastructure
- Started 1<sup>st</sup> March 2023
- Aim submission of NIHR bid in November 2023

**22/104 HTA Application Acceleration Award - platform studies in areas considered strategic priorities commissioning brief**



**VEIN**  
Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

### Final design

CS patients ulcer < 6 months

CS patients Ulcer > 6 months

CS patients

Standard of Care

Antibacterial Wash

Medication

Medication & wash

Endovenous ablation treatment

Medication with early venous Standard of Care

Ultrasound surveillance

Medication

Medication & Ultrasound surveillance

NIHR National Institute for Health Research

**VEIN**  
Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

### Applicants/Collaborators

Imperial College London

- Alun Davies
- Sarah Onida
- Francine Heatley
- Layla Bolton
- Steve Black
- Matt Bown
- Cassandra Brookes
- Dan Carradice
- Ian Chetter
- Ed Waddingham
- Shaun Barber
- Salvatore Di Puma
- Manj Gohel
- Nicholas Johnson
- Adam Gwozdz
- Narayan Karunanithy
- Marcus Jepson
- Adarsh Babber
- Azeem Majeed
- Gavin Murphy
- John Norrie
- Tom Pinkney
- Steven Rogers
- Peter Hutchinson
- Justin Waring
- David Wingfield
- Tom Withers
- Jo Dumville
- Leanne Atkin
- Safa Salim
- Kavita Vedhara
- Thanos Saratzis
- Nina Linnit
- David Epstein
- Natalia Kimowska

Imperial College London

AVLS

VICTU

ECTU

VASCULAR SOCIETY

ECFP

ROYAL SOCIETY OF MEDICINE

UNIVERSITY OF LEICESTER

ALL PARTY PARLIAMENTARY GROUP ON VASCULAR AND VEIN DISEASE

Royal College of Surgeons of England

**VEIN**  
Venous leg ulcers: management and eradication - VEIN Platform Study

**NIHR** National Institute for Health Research

### Thank you

- Questions

**VEIN**  
Venous leg ulcers: management and eradication - VEIN Platform Study

- If you wish to be involved email:  
[f.heatley@imperial.ac.uk](mailto:f.heatley@imperial.ac.uk) or [veinplatform@imperial.ac.uk](mailto:veinplatform@imperial.ac.uk)