



FULL TEXT LINKS

Randomized Controlled Trial > [Int J Artif Organs](#). 2005 Oct;28(10):1039-50.

doi: 10.1177/039139880502801012.

Extracorporeal blood oxygenation and ozonation (EBOO): a controlled trial in patients with peripheral artery disease

N Di Paolo¹, V Bocci, D P Salvo, G Palasciano, M Biagioli, S Meini, F Galli, I Ciari, F Maccari, F Cappelletti, M Di Paolo, E Gaggiotti

Affiliations

PMID: 16288443 DOI: [10.1177/039139880502801012](#)

Abstract

Background: Since 1990 our group has been using extracorporeal circulation to ozonate blood by an original method, known as extracorporeal blood oxygenation and ozonation (EBOO), with the aim of amplifying the results observed with ozone autohemotherapy.

Objective: To verify the hypothesis that EBOO improves the skin lesions typical of peripheral artery disease (PAD) patients.

Methods: Twenty-eight patients with PAD were randomized to receive EBOO or intravenous prostacyclin in a controlled clinical trial. The primary efficacy parameters were regression of skin lesions and pain, and improvement in quality of life and vascularisation.

Results: Patients treated with EBOO showed highly significant regression of skin lesions with respect to patients treated with prostacyclin. Other parameters that were significantly different in the two groups of patients were pain, pruritus, heavy legs and well-being. No significant differences in vascularisation of the lower limbs before and after treatment were found in either group. No side effects or complications were recorded during the 210 EBOO treatments.

Conclusion: EBOO was much more effective than prostacyclin for treating skin lesions in PAD patients and also had a positive effect on patient general condition without any apparent change in arterial circulation. This suggests other mechanisms of action of EBOO.

Related information

[MedGen](#)[PubChem Compound](#)[PubChem Compound \(MeSH Keyword\)](#)[PubChem Substance](#)

LinkOut - more resources

Full Text Sources

[Atypon](#)[Ovid Technologies, Inc.](#)

Medical

[MedlinePlus Health Information](#)