

The benefits of dry carbon dioxide bath in peripheral arterial disease

Feher J⁽¹⁾

⁽¹⁾Hungarian Balneological Association, Hungary

The effects of carbon dioxide has been discovered many centuries ago and it is widely used throughout Europe. It can be administered either as a dry or water bath. It enters through the skin into the blood stream, the circulation will increase and the vasodilatation allows more oxygen to reach the periphery and decreases the blood pressure.

From the beginning of 2018 we use an ankle-brachial index (ABI) measuring device, based on oscillometry and volume plethysmography, to get an important prognostic factor for cardiovascular- and peripheral arterial diseases.

We also assess the cardiovascular risk factors in the measured people, such as hypertension, diabetes, smoking and alcohol consumption.

From the collected data we try to determine the short and long term benefits of the use of dry carbon dioxide cabin.