



---

## Uploaded to the VFC Website

▶▶▶ 2017 ◀◀◀

---

This Document has been provided to you courtesy of Veterans-For-Change!

Feel free to pass to any veteran who might be able to use this information!

For thousands more files like this and hundreds of links to useful information, and hundreds of "Frequently Asked Questions, please go to:

[Veterans-For-Change](#)

---

*If Veterans don't help Veterans, who will?*

---

**Note:**

VFC is not liable for source information in this document, it is merely provided as a courtesy to our members & subscribers.



# Invasive ‘liberation therapy’ not effective in treating multiple sclerosis, study finds

March 8, 2017

Opening up narrowed veins from the brain and spinal cord is not effective in treating multiple sclerosis (MS), according to a study led by the University of British Columbia and Vancouver Coastal Health.

The conclusions about the so-called "liberation therapy," which thousands of people with MS have undergone since 2009, represent the most definitive debunking of the claim that patients could achieve dramatic improvements from a one-time medical procedure.

"We hope these findings, coming from a carefully controlled, 'gold standard' study, will persuade people with MS not to pursue liberation therapy, which is an invasive procedure that carries the risk of complications, as well as significant financial cost," said Dr. Anthony Traboulsee, a UBC Associate Professor of Neurology and Director of the MS Clinic at the Djavad Mowafaghian Centre for Brain Health. "Fortunately, there are a range of drug treatments for MS that have been proven, through rigorous studies, to be safe and effective at slowing the disease progression."

To get the most reliable evidence, the study had some people undergo a "sham" procedure - the surgical equivalent of a placebo. All 104 participants had a catheter inserted into their blocked veins, but only 49 had their vessel walls pushed out by inflating a small balloon, known as venoplasty.

A year later, the venoplasty group's results were statistically the same as those in the sham group, as measured by brain imaging, standard assessments of MS symptoms and the patients' own self-assessments.

The findings from the \$5.4 million study, jointly funded by the Canadian Institutes of Health Research, the MS Society of Canada, and the Provinces of British Columbia, Manitoba and Quebec, were presented today, March 8, at the Society for Interventional Radiology's annual scientific meeting in Washington, D.C. The researchers are now preparing an article to be published in a peer-reviewed journal.

Multiple sclerosis is an autoimmune disease, in which the body's own defenses attack the protective coating of brain cells, or neurons. The degradation of that insulation slows the neurons' ability to conduct electrical signals, leading to problems with movement, sensation and cognitive function. The causes of the disease remain unknown, though research has implicated genetic variations and environmental factors, including a lack of Vitamin D.

Using venoplasty as an MS treatment was put forward by Dr. Paolo Zamboni of Italy, who asserted that narrowing of the veins in the neck could be causing iron to accumulate in the brain and spinal cord, triggering the autoimmune response. He called his theory chronic cerebrospinal venous insufficiency (CCSVI), and cited several dozen cases of patients who improved after undergoing venoplasty by him.

Many patients in Canada and Europe, upon learning of those anecdotal results through the news media, asked for imaging of their veins and subsequent venoplasty. But almost all Canadian physicians, citing the lack of supporting evidence, would not perform it, prompting some patients to seek the treatment in the U.S., Latin America and Eastern Europe.

Researchers from across Canada, led by the UBC and Vancouver Coastal Health team, conducted two major studies, seeking more evidence on the CCSVI theory. One study, supported by the MS Society of Canada, sought to determine if narrowed veins was a distinct feature of MS; the other tested the proposed treatment.

The first study, published in *The Lancet* in 2013, found that narrowing was just as common in both groups - in fact, it was even more common than Zamboni had described. Those findings raised serious questions about Zamboni's theory.

"Despite the negative findings of that diagnostic study, many patients wanted to know if the venous dilation procedure could help," said Dr. Lindsay Machan, a UBC Associate Professor of Radiology who presented the findings at today's interventional radiology conference. "We were committed to meticulously evaluating this treatment with robust methods and patient-focused outcomes."

The 104 people in the latest study - in Vancouver, Winnipeg, Montreal and Quebec City - all had MS and narrowing of the jugular vein, which drains blood from the brain, or the azygos vein, which drains blood from the spinal cord.

The study was "double-blinded": Neither the patients nor the physicians who evaluated them knew who was receiving the actual treatment or the sham procedure.

All patients were put under minor sedation, and all of them had a catheter threaded through an incision in the groin to the area of vessel narrowing. For those receiving the actual treatment, the balloon was inflated once or twice; for those receiving the sham, the catheter simply remained in the narrowed area for the same amount of time, about one minute.

The researchers found no statistically significant difference between the treatment group and the sham group in patient symptoms, either as reported by the patients or as determined by physicians, three days after the procedure and a year later. Patients in both groups reported slight but equal improvements a year later; physician assessments showed no improvement in either group.

Magnetic resonance imaging (MRI) of their brains was used to count the number of new lesions in their myelin, and researchers found no difference after six months and after one year between the treatment group and the sham group.

---

**Source:**

<http://news.ubc.ca/2017/03/08/controversial-liberation-therapy-fails-to-treat-multiple-sclerosis-study/>

---