

# Thomas Smeenk on Hemostemix's autologous stem cell therapy technology and why some call it 'the fountain of youth'

In a recent InvestorIntel interview, Tracy Weslosky spoke with Thomas Smeenk, Co-Founder, President and CEO of Hemostemix Inc. (TSXV: HEM | OTC: HMTXF), about Hemostemix's autologous stem cell therapy and why he calls the technology "the fountain of youth."

In this InvestorIntel interview, which may also be viewed on YouTube (click here to subscribe to the InvestorIntel Channel), Thomas went on to say that Hemostemix's lead product ACP-01 works by treating ischemia (lack of blood circulation) in a patient's body. The technology has already been used to treat around 500 patients suffering from ischemia in the heart, arteries, and limb. He added that using the technology many patients were able to "save their limbs from otherwise certain amputations." Hemostemix has 91 patents including a patent on the automation of production which enables the company to scale the business "exponentially" as over a million patients lose their limbs to amputation in North America alone. The technology is now in Phase 2 clinical trial.

To watch the full interview, click here

## **About Hemostemix Inc.**

Hemostemix is a publicly traded autologous stem cell therapy company. A winner of the World Economic Forum Technology Pioneer Award, the Company developed and is commercializing its lead product ACP-01 for the treatment of CLI, PAD, Angina, Ischemic Cardiomyopathy, Dilated Cardiomyopathy and other

conditions of ischemia. ACP-01 has been used to treat over 300 patients, and it is the subject of a randomized, placebo-controlled, double blind trial of its safety and efficacy in patients with advanced critical limb ischemia who have exhausted all other options to save their limb from amputation.

On October 21, 2019, the Company announced the results from its Phase II CLI trial abstract entitled "Autologous Stem Cell Treatment for CLI Patients with No Revascularization Options: An Update of the Hemostemix ACP-01 Trial With 4.5 Year Followup" which noted healing of ulcers and resolution of ischemic rest pain occurred in 83% of patients, with outcomes maintained for up to 4.5 years.

The Company owns 91 patents across five patent families titled: Regulating Stem Cells, In Vitro Techniques for use with Stem Cells, Production from Blood of Cells of Neural Lineage, and Automated Cell Therapy.

To know more about Hemostemix Inc., [click here](#)

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If you have any questions surrounding the content of this interview, please email [info@investorintel.com](mailto:info@investorintel.com).

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## **Hemostemix CEO on ACP's Response to Ischemia in the Circulatory System**

In a recent InvestorIntel interview, Peter Clausi speaks with Thomas Smeenk, Co-Founder, President and CEO of Hemostemix Inc. (TSXV: HEM | OTC: HMTXD), about Hemostemix's technology that uses patients own blood to treat ischemia in the circulatory system of the body.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here to subscribe to the InvestorIntel Channel](#)), Thomas said, "We take blood from patient's arm. We

fractionate out their stem cell from that blood.” He continued, “Then we culture them and change them from a raw stem cell into an angiogenic cell precursor that is programmed to address ischemia in the circulatory system of the body. It is common in diabetics, in individuals who suffer from heart disease such as angina or ischemic cardiomyopathy, in wound care.”

Thomas stated that Hemostemix has treated more than 500 patients using the technology which is now in clinical trials. He added, “The second one we patented is NCP (Neural Cellular Precursor). This is a cell that can be used to treat stroke, diseases that have nerve damage.”

To watch the full interview, [click here](#)

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## **Co-founder Thomas Smeenk on the benefits of Hemostemix autologous stem cell therapy**

In a recent InvestorIntel interview, Peter Clausi speaks with Thomas Smeenk, Co-Founder, President and CEO of Hemostemix Inc. (TSXV: HEM | OTC: HMTXD), about using Hemostemix's patented autologous stem cell therapy platform to treat Ischemia and Angina with significant success in more than 500 patients.

In this InvestorIntel interview, which may also be viewed on YouTube ([click here](#) to subscribe to the InvestorIntel Channel), Thomas went on to give an introduction about the origin of the company and talked about the strong management team and well known board members. "I have come across some good technologies and put together a team that have succeeded," Thomas commented.

Thomas also provided an update on Hemostemix's ACP-01 Phase 2 Clinical Trials. ACP-01 uses a patient's own cells to restore blood flow to ischemic limbs and has the potential to treat a range of ischemic diseases.

To watch the full interview, [click here](#)

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# **Hemostemix steps into the new year with capital and its critical clinical study data in hand**

With a new management team spearheading Hemostemix Inc. (TSXV: HEM | OTC: HMTXF), the Company started 2021 with its critical clinical study data in hand. Raising over \$4 million in 2020 and then in December adding an additional \$4 million to the coffers (\$2.75 million at a 50% premium), Hemostemix completed a 1-for-20 share consolidation as it charges into the New Year.

Receiving a copy of its entire clinical trial database relating to the clinical trial for Critical Limb Ischaemia (CLI) using its ACP-01 therapy (Angiogenic Cell Precursors) in November 2020 was a key event for Hemostemix's management team and it garnered real interest from the market.

## **Hemostemix – Platform for Stem Cell Therapies**

Based in Calgary and founded in 2006, Hemostemix is a clinical-stage biotechnology company specializing in blood-derived stem cell therapeutics with its lead product (ACP-01) in Stage 2 clinical trials for the treatment of CLI.

CLI is a disease caused by the narrowing of arteries in the limbs, particularly the legs, hands, and feet, causing chronic pain and soreness. Untreated CLI can sometimes require the amputation of the specific limb.

Stem cell treatments have been used for over 30 years to treat people with cancer conditions such as leukemia and lymphoma.

There are two main types of stem cell transplants: allogeneic

and autologous. In an allogeneic stem cell transplant procedure, the patient receives stem cells from a donor. In an autologous stem cell transplant procedure, the patient provides themselves the stem cells for the procedure from various sources, including bone marrow or blood.

Hemostemix's autologous stem cell therapy platform uses the patient's own blood to harvest the stem cells and the treatment helps to restore circulation in the damaged tissues.

Hemostemix has a strong intellectual property (IP) portfolio of 91 patents and has treated more than 500 patients with clinical results showing an improvement in 83% of the patients receiving its ACP-01 stem cell therapy.

Advantages with Hemostemix's process include the use of blood, which is safer and less invasive than extracting bone marrow, and since you are using the patient's own blood, there is no immune rejection.

The clinical trials have shown that ACP-01 is safe and effective in the treatment of CLI. Now that Hemostemix has received the entire clinical trial database, it has entered into a contract with a new Clinical Research Organization (CRO) to complete the midpoint statistical analyses of the efficacy of ACP-01 and expects to publish the results this quarter.

### **Hemostemix – Not a 1-Trick Pony Company**

ACP-01 has the potential to treat other conditions such as Angina, Ischemic & Dilated Cardiomyopathy, and Peripheral Artery Disease (PAD). Currently, Hemostemix is preparing for Phase 2 trials for the treatment of Angina and is seeking joint-venture partners to fund the other Phase 2 trials.

Hemostemix has also developed NCP-01 (Neural Cellular Precursor) from blood with the potential, through building new neuronal lineage cells in a patient, to treat Alzheimer's



disease, Amyotrophic Lateral Sclerosis (ALS), Parkinson's disease, spinal cord injuries, and stroke-related issues. NCP-01 is currently in the R&D phase and is pre-clinical.

## **Market Size**

According to the American Heart Association, Cardiovascular disease (CVD) accounted for approximately 1 of every 3 deaths in the United States in 2019.

Factors that increase the risk of CLI include diabetes, high cholesterol levels, high blood pressure, obesity, or smoking, all risk factors also associated with CVD.

Unfortunately, most of these factors are increasing at an alarming rate – a study by the Centers for Disease Control and Prevention (CDC) in the United States, showed the prevalence of diagnosed diabetes has more than doubled from 3.3% in 1995 to 7.40% in 2015, affecting 23.4 million Americans.

According to a market research report released in 2019, the value of just the global CLI treatment market is projected to reach US\$5.39 billion by 2025, up from US\$3.13 billion in 2018, at an annual growth rate of 8%.

## **Competitive Landscape and Market Cap Comparisons**

Even with Hemostemix's recent market surge, its market cap is only C\$32.5 million. Similar-sized biotech companies focusing on CLI trade much higher.

Cynata Therapeutics Limited (ASX: CYP) is an Australian biotechnology company with a Phase 2 clinical-stage trial for its stem cell therapy for CLI using bone marrow and has a market cap of C\$93.6 million.

Pluristem Therapeutics Inc. (NASDAQ: PSTI) is a Phase 3 biotechnology company, based in Israel, that also has an allogeneic cell therapy for the treatment of CLI using the placenta and has a market cap of C\$231.9 million.

In November 2020, Bristol-Myers Squibb Company (NYSE: BMY) bought MyoKardia, Inc. for US\$13.1 billion. MyoKardia was a clinical-stage biopharmaceutical company that developed therapies for the treatment of cardiovascular diseases and its lead product was a Phase III clinical trial drug used in the treatment of hypertrophic cardiomyopathy (HCM).

As a company shifts from Phase 2 to Phase 3 clinical trials, the market cap often has a step-function shift higher, making it an ideal time to look at Hemostemix.

## CLI WITH ACP-01 IMPROVEMENTS VISUALIZED

47 Days post ACP-01 Treatment



SOURCE: