



Single Ventricle Congenital Heart Disease Study Launches at Leading Academic Medical Center using Ventripoint's VMS+3.0 Whole-Heart Analysis System

Toronto, Ontario – The Newswire – **June 29, 2021** - Ventripoint Diagnostics Ltd. ("Ventripoint" or the "Company"), (TSXV:VPT; OTC:VPTDF) is pleased to announce a collaboration with Duke University School of Medicine in a new study that analyzes single ventricle cardiac function in children. This will be the first study to validate the VMS+3.0 in children with functional single ventricles.

“The goal of non-invasive pediatric cardiac imaging is always to make the most accurate diagnosis, while simultaneously disturbing the child as little as possible” states Dr. Piers Barker, Pediatric Cardiologist at the Duke Pediatric and Congenital Heart Center. “New 3-dimensional technologies could have the potential to help us better achieve that goal for our patients with the most complex congenital heart disease.”

Congenital heart disease represents the most common single organ birth defect, with an incidence of approximately 1 in 100 live births. Many of these children are born with critical congenital heart disease, requiring cardiac surgery or other interventions before their first birthday to survive. One of the most critical conditions occurs when children have only a functional single ventricle, in which only one of the two pumping chambers is developed. These children require the most intensive diagnostic and interventional care due to the enormous complexity of how each heart forms, through infancy and into adulthood.

“Ventripoint began to identify a means to improve heart diagnostics for children and especially for infants born with a heart abnormality,” stated Dr. George Adams, Executive-Chairman of Ventripoint. “We are delighted to partner with the leading pediatric cardiology group at Duke to verify the use of the VMS+3.0 in single ventricle patients.”

Children with functional single ventricles typically undergo a series of three staged surgeries in order to achieve adequate blood flow to both the body and the lungs. However, complications and a risk of heart failure accompany every stage, with the risk becoming greater as children approach adulthood. Standard echocardiography assessments are difficult to apply to these patients given how different the cardiac anatomy is as compared to a normal heart. Novel, 3-dimensional diagnostic tools like VMS+3.0 therefore provide a great opportunity to accurately assess heart function and enable proactive treatment prior to the development of heart failure or deterioration to the point of transplantation or death. The research study will utilize the strengths of the Ventripoint system with the patient databases of the Duke Pediatric and Congenital Heart Center and the Duke Cardiovascular Magnetic Resonance Center to validate the VMS+ for use in this patient population.

Funding for this study is generously provided by the Trawick Pediatric Cardiology Research Fund – Supporting Single Ventricle Research.

About Ventripoint Diagnostics Ltd.

Ventripoint has become an industry leader in the application of AI (Artificial Intelligence) to echocardiography. Ventripoint's VMS products are powered by its proprietary KBR technology, which is the result of a decade of development and provides accurate volumetric cardiac measurements equivalent to MRI. This affordable, gold-standard alternative allows cardiologists greater confidence in the management of their patients. Providing better care to patients serves as a springboard and basic standard for all of Ventripoint's products that guide our future developments. In addition, VMS+ is versatile and can be used with all ultrasound systems from any vendor supported by regulatory market approvals in the U.S., Europe and Canada.

For further information, please contact:

Dr. George Adams
gadams@venripoint.com
519-803-6937

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