Ventripoint Diagnostics Publishes Whitepaper on the Use of AI in Whole-Heart Analysis

Toronto, Ontario (March 24, 2025) - Ventripoint Diagnostics Ltd. ("**Ventripoint**" or the "**Company**"), (TSXV:VPT; OTC:VPTDF) is pleased to announce the release of a whitepaper comparing the performance of the VMS+™4.0 advanced Automated Radiological Image Processing Software/System to the previous basic model, VMS+ 3.0.

This latest advancement of Ventripoint's proprietary technology, VMS+ 4.0, which recently received U.S. FDA 510(k) clearance, delivers a number of significant enhancements including:

- AI-assisted automated point placement to improve user workflow efficiency
- User tools to assist with analysis of the cardiac views
- Enhanced visualization tools
- Measurements generated from the 3D wire mesh:
    - ED Volume,
    - ED Volume Index,
    - ES Volume,
    - ES Volume Index,
    - Ejection Fraction,
    - Cardiac Output,
    - Cardiac Index,
    - Stroke Volume,
    - Stroke Volume Index.
- Reporting of all measurements and derived parameters

The VMS+ system connects to standard echocardiography machines, the most widely used cardiac imaging technology globally. The VMS+ 4.0 model uses conventional AI approaches to select anatomical landmarks from standard echocardiogram images which are then fed into Ventripoint's proprietary Knowledge Based Reconstruction AI technology to create 3D visualizations of the heart and calculates volumes and ejection fraction for all 4 cardiac chambers with accuracy equivalent to MRI. The combination of both AI engines allows for assisting automated point-placement of the analysis with improved reliability and confidence in the measurements.

"Ventripoint has deep experience in the application of AI to echocardiography and we have continued to invest in research and development focused towards enhancing ease-of-use and integration into clinical workflow," said Ventripoint President and CEO, Hugh MacNaught. "During the development process for VMS+™ 4.0 our team worked with clinical collaborators to assess the performance of automated features, which is described in the whitepaper. It is essential that clinicians have confidence and trust in the results. The whitepaper illustrates the robustness and performance of VMS+™. We are excited with the opportunity to offer hospitals an efficient and

effective, non-invasive heart-imaging tool. AI enhanced echocardiograms are a fast, affordable and accessible tool for diagnosis and monitoring of the growing numbers of cardiac patients throughout the world."

VMS+™ 4.0 has received regulatory clearance in key markets such as the U.S., E.U., U.K. and Canada making this latest version of VMS+™ available to the global community.

The whitepaper can be viewed on the Ventripoint website www.ventripoint.com

About Ventripoint Diagnostics Ltd.

Ventripoint is an industry leader in the application of AI (Artificial Intelligence) to echocardiography. Ventripoint's VMS+™ products are powered by its proprietary Knowledge Based Reconstruction 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.

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Forward Looking Statements

This news release contains forward-looking statements and forward-looking information within the meaning of applicable securities laws. The use of any of the words "expect", "anticipate", "continue", "estimate", "objective", "ongoing", "may", "will", "project", "should", "believe", "plans", "intends" and similar expressions are intended to identify forward-looking information or statements. The forward-looking statements and information are based on certain key expectations and assumptions made by the Company. Although the Company believes that the expectations and assumptions on which such forward-looking statements and information are based are reasonable, undue reliance should not be placed on the forward-looking statements and information because the Company can give no assurance that they will prove to be correct.

Since forward-looking statements and information address future events and conditions, by their very nature they involve inherent risks and uncertainties. Actual results could differ materially from those currently anticipated due to a number of factors and risks. Factors which could materially affect such forward-looking

information are described in the risk factors in the Company's most recent annual management's discussion and analysis that is available on the Company's profile on SEDAR at www.sedar.com. Readers are cautioned that the foregoing list of factors is not exhaustive. The forward-looking statements included in this news release are expressly qualified by this cautionary statement. The forward-looking statements and information contained in this news release are made as of the date hereof and the Company undertakes no obligation to update publicly or revise any forward-looking statements or information, whether as a result of new information, future events or otherwise, unless so required by applicable securities laws.

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