

## 2-Year MIMICS Data Confirm Long-term Patency Protection With BioMimics 3D

**Leipzig, Germany, 6 February 2014** – Two-year follow-up data presented at the annual Leipzig Interventional Course (LINC) have shown that a nitinol stent with unique three-dimensional helical geometry, BioMimics 3D™, developed by Veryan Medical Ltd, (Horsham, UK) provides an improvement in long-term patency compared to a straight nitinol control stent in patients undergoing femoropopliteal artery intervention for symptomatic peripheral arterial disease.

The MIMICS study is a prospective, 2:1 randomised controlled trial, conducted at eight German investigational centres, with an independent imaging core lab, comparing the safety and efficacy of the BioMimics 3D™ stent with a straight nitinol stent (92% of subjects in the control arm were treated with Bard LifeStent).

The BioMimics 3D stent features unique 3D helical centreline curvature to help the stented artery mimic the natural biomechanical performance of the femoropopliteal during knee flexion and extension. This stent is also designed to promote swirling blood flow and elevated wall shear stress in the stented segment, which preclinical studies have shown to significantly reduce the formation of neointimal hyperplasia, potentially conferring a patency protective effect.

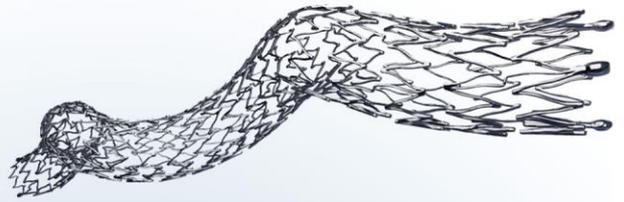
Data presented by Principal Investigator Professor Thomas Zeller, Universitäts-Herzzentrum, Freiburg-Bad Krozingen, Germany, on behalf of the MIMICS investigators, showed the Kaplan Meier (KM) survival analysis of freedom from loss of primary patency at two years was 75.6% for BioMimics 3D subjects vs. 56.0% for the control group (P=0.06). In line with the preclinical observations, the preliminary two-year data from the MIMICS study point to a correlation between primary patency and stent curvature, measured using bi-planar X-ray imaging in straight and bent knee positions. BioMimics 3D stented segments showed greater curvature in knee extension (P=0.02) and flexion (P=0.02) compared with the control, providing a basis for improved haemodynamics that may underlie the longer term patency protective effect seen with BioMimics 3D. No stent fractures have been detected by the study core lab.

“The latest 24-month data for patients treated with the BioMimics 3D stent continue to suggest that the flow effects produced by its helical design are contributing to an improved outcome compared to that achieved with the straight control stent. The KM curve for freedom from loss of primary patency with BioMimics in the 12-24 month period shows separation from that of the control stent, with the prospect of a statistically significant difference once the few remaining subjects are assessed over the next two months”, commented Professor Zeller.

“Data from the 24-month assessment visits in the MIMICS Study are continuing to provide a highly favourable and competitive foundation for BioMimics 3D commercialization and for further clinical investigation to support Veryan’s US strategy”, added Veryan Chief Executive Chas Taylor. “We anticipate that the full 24-month data set will be available in April 2014.”

Veryan has received CE Mark approval for the BioMimics 3D stent.

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**About Veryan Medical Ltd.**

Veryan is developing innovative solutions to improve the performance of vascular stents using the principles of biomimicry. Veryan's BioMimics 3D™ stent technology involves adapting traditional straight stent designs to a patented three-dimensional helical shape, which more closely mimics the natural geometry of the human vascular system. BioMimics 3D technology is designed to enhance clinical performance by improving flow conditions in, and biomechanical performance of, stented vessels. The BioMimics 3D stent is more flexible, kink and fracture resistant than other laser-cut nitinol tube stents, making its unique design of particular importance in the hostile environment of the femoropopliteal artery.

CAUTION: The BioMimics 3D stent is not available for sale or investigational use in the United States.

For further information, please visit: [www.veryanmed.com](http://www.veryanmed.com)

