

StemRIM Announces the First Administration of Phase 2 Clinical Trial for Redasemtide Targeting Ischemic Cardiomyopathy

Osaka, Japan, December 23, 2024 – StemRIM Inc. (TSE:4599, President and CEO: Masatsune Okajima; “StemRIM” or “Company”) announces Osaka University Hospital has notified us that the first patient has been administered of the phase 2 clinical trial for Redasemtide targeting ischemic cardiomyopathy.

This clinical trial will be conducted as an investigator-initiated clinical trial at Osaka University Hospital and several other facilities. The main objective of this clinical trial is to evaluate the efficacy and safety of Redasemtide in patients with ischemic cardiomyopathy who have undergone coronary artery bypass grafting. This clinical trial will evaluate various cardiac function tests such as echocardiography at 52 weeks after treatment with either Redasemtide or placebo (10 patients each) for 5 days.

For details of this clinical trial, please refer to the Japan Registry of Clinical Trials, which is a clinical research database.

<https://jrct.niph.go.jp/en-latest-detail/jRCT2051240065>

This matter is progressing as planned, and it will not have any impact on the financial results for the fiscal year ending on July 31, 2025.

About StemRIM Inc.

StemRIM Inc. is a biotech venture which began at Osaka University with the goal of realizing a new type of medicine called "Regeneration-Inducing Medicine™". The overall aim is to achieve regenerative therapy effects equivalent to those of regenerative medicine, solely through drug administration, without using living cells or tissues. Living organisms have inherent self-organizing abilities to repair and regenerate tissues that have been damaged or lost due to injury or disease. This ability arises from the presence of stem cells in the body that exhibit pluripotency i.e., can differentiate into various types of tissues. When tissues are damaged, these cells, therefore, exhibit proliferative and differentiative capabilities, promoting functional tissue regeneration. "Regeneration-Inducing Medicine™" is aimed at maximizing the tissue repair and regeneration mechanisms already present in the body. With this aim, StemRIM is currently developing one of its most advanced regenerative medicine products. Specifically, this product is designed to release (mobilize) mesenchymal stem cells from the bone marrow into the peripheral circulation upon administration, thus increasing the number of stem cells circulating throughout the body and promoting their accumulation in damaged tissues. Here, these stem cells should accelerate tissue repair and regeneration. Certain disease areas expected to benefit from "Regeneration-Inducing Medicine™" include epidermolysis bullosa (EB), acute phase cerebral infarction, cardiomyopathy, osteoarthritis of the knees, chronic liver disease, myocardial infarction, pulmonary fibrosis, traumatic brain injury, spinal cord injury, atopic dermatitis, cerebrovascular disease, intractable skin ulcers,

amyotrophic lateral sclerosis (ALS), ulcerative colitis, non-alcoholic steatohepatitis (NASH), systemic sclerosis, and any other areas where treatment with extrapulmonary mesenchymal stem cells is promising.

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For more information, please visit the StemRIM website (<https://stemrim.com/english/>)