RESTORING STRENGTH: NEORGANA'S APPROACH TO HEART FAILURE

Heart failure is more than fatigue, shortness of breath, or fluid retention — it is the progressive weakening of the heart's ability to sustain life. Conventional therapies often slow decline but rarely repair the underlying damage. At Neorgana, we take a different path: harnessing the regenerative power of Dezawa MUSE Cells™ and MUSE Exosomes™ to restore heart function from within.

Why MUSE Cells™ and Exosomes™?

Unlike conventional mesenchymal stem cells (MSCs), which offer limited and temporary support, Dezawa MUSE Cells™ (Multilineage-differentiating StressEnduring Cells) are naturally occurring pluripotent stem cells with unique therapeutic advantages for heart disease:

- **True repair, not just support –** they can integrate into injured cardiac tissue and differentiate into cardiomyocytes, endothelial cells, and vascular support cells, helping rebuild damaged myocardium.
- **Resilience under stress –** they survive in the ischemic, inflamed environment of failing hearts where MSCs cannot.
- **Immune regulation –** they calm inflammatory cascades while supporting balanced immune activity, reducing the chronic inflammation that drives cardiac remodeling.
- **Mitochondrial restoration –** they transfer healthy mitochondria to energy-depleted heart cells, restoring bioenergetics and improving contractile function.
- **Outstanding safety –** unlike other pluripotent cells, MUSE Cells™ are non-tumorigenic, carrying one of the most reliable safety profiles in regenerative medicine.

Dezawa MUSE Exosomes™ amplify these effects. More potent than traditional exosomes, they:

- Reduce cardiac inflammation and oxidative stress.
- Stimulate angiogenesis (new vessel growth) to improve circulation.
- Enhance mitochondrial activity and protect against apoptosis (cell death).
- Support remodeling reversal and improve heart muscle resilience.

A Multi-Layered Regenerative Protocol

- **Authentic Dezawa MUSE Cells™ (IV infusion) –** home to damaged myocardium and vasculature, contributing to repair and functional recovery.
- **Dezawa MUSE Exosomes™ (IV infusion) –** reduce inflammation, protect mitochondria, and enhance regenerative signaling throughout the cardiovascular system.
- **NK Cell Therapy (optional) –** in selected patients, NK Cells may be used beforehand to clear senescent or dysfunctional cells, creating a healthier microenvironment for MUSE therapies to act more effectively.
- **Peptide & Bioregulator Therapy –** carefully selected to support mitochondrial efficiency, vascular health, endothelial repair, and overall cardiac resilience.

Benefits for Heart Failure Patients

Patients undergoing Neorgana's heart failure protocols may experience:

- Improved energy and physical endurance
- Reduction of chronic inflammation and oxidative stress
- Enhanced cardiac output and functional capacity
- Reduction in fluid retention and improved circulation
- Better oxygen delivery to tissues
- Stabilization of disease progression — with the potential for functional reversal in some cases

The Neorgana Difference

- **Authenticity:** Only authentic Dezawa MUSE Cells™ and MUSE Exosomes™, licensed and certified by MCI, the global intellectual property (IP) holder.
- **Integration:** Regenerative medicine combined with optional NK Cell Therapy and advanced peptide stacks for maximal effect.
- **Purity:** All peptides and bioregulators are pharmaceutical-grade, third-party tested, and clinically certified.
- **Exclusivity:** Every Neorgana protocol is designed to meet the highest standards of safety, science, and refinement.

A New Era in Cardiac Care

Heart failure has long been viewed as a one-way decline. At Neorgana, we challenge that paradigm. By addressing inflammation, mitochondrial collapse, and tissue damage at their root, we create the conditions for the heart to regenerate. For many, this means stabilization. For some, it may mean true reversal of heart failure and the restoration of strength.

“At Neorgana, we don’t just treat the failing heart — we help it beat stronger again.”