

5<sup>th</sup> World

# HEART AND BRAIN CONFERENCE

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### The potential of regenerative medicine in heart and brain disease

Stroke and heart disease are leading causes of death. Both conditions share similar a number of risk factors, including smoking, high blood pressure, high cholesterol and diabetes. Chronic inflammation and changes in the blood vessels that bring blood to the brain and heart lead to a stroke or myocardial infarction. Imbalanced in neurotransmitters are responsible for responding to stress and affect heart and brain. Organ and tissue loss through disease and injury motivate the development of therapies that can regenerate tissues and decrease reliance on transplantations, applications of regenerative medicine technology, may offer novel therapies for patients with injuries, end-stage organ failure or other clinical problems. Since the underlying causes of heart attack and stroke are similar, therapies to treat stroke and heart attack are often similar, healthy lifestyle changes and nutritional supplements, hyperbaric oxygen, stem cell transplant, can dramatically reduce the risk of stroke and cardiac attack. The heart and brain maintain a continuous two-way dialogue each influencing the other's functioning. The signals the heart sends to the brain can influence perception, emotional processing and higher cognitive functions. This system and circuitry is viewed by neuro-cardiology researchers as a heart brain communication. Actually we treat the cardiovascular heart failure and Alzheimer with good rate of recuperation with regenerative medicine life style changes, nutritional changes, nutritional supplements, hyperbaric oxygen, EECP (Increasing NO) and stem cell implants.

### Biography

Miguel Garber has experience in Internal medicine and cardiology, with expertise in regenerative medicine, training and education, research, product development and senior management. He is currently working as Medical Director of Regeneris Clinic (International Regenerative Medicine), ongoing of several investigative research involved Stem Cells application (ASC) and Drug stimulating stem cells (Aphanizomenón Flos Aquae), Professor and Clinical Director of the Master in Regenerative Medicine. He is also an Editorial Board Member.

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