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Source1: http://www.collective-evolution.com/2014/11/24/what-science-is-telling-us-about-the-hearts-intuitive-intelligence/ ; Source2: http://consciouslifenews.com/heart-brain-consciousness/1134953/ ; Source3: http://kaheel7.com/eng/index.php/picture-a-verse/958-heart-thinks; Source4: http://www.ukapologetics.net/biblicalheart.htm; Source5: http://www.medicaldaily.com/can-organ-transplant-change-recipients-personality-cell-memory-theory-affirms-yes-247498

ISLAMIC AL-JUMUAA REMINDER AND LEGACY GROUP (http://aljumaareminder.com/) reminds about the significance of the heart:

MIRACLE IN THE QURAN: HEARTS THINK AND RECORD

Did you know? Scientists discovered that hearts think, learns wisdom, and contains neurological centers that save data. Heart contains 40,000 nerve cells that form a "real brain"!! Quran revealed this fact more than 1400 years ago.

Have they not travelled through the land, and have they hearts wherewith to understand and ears wherewith to hear? Verily, it is not the eyes that grow blind, but it is the hearts which are in the breasts that grow blind. (Quran 22:46)

Many believe that conscious awareness originates in the brain alone. Recent scientific research suggests that consciousness actually emerges from the brain and body acting together. A growing body of evidence suggests that the heart plays a particularly significant role in this process. **Far more than a simple pump, as was once believed, the heart is now recognized by scientists as a highly complex system with its own functional "brain."**

Research in the new discipline of neurocardiology shows that the heart is a sensory organ and a sophisticated center for receiving and processing information. The nervous system within the heart (or "heart brain") enables it to learn, remember, and make functional decisions independent of the brain's cerebral cortex. Moreover, numerous experiments have demonstrated that the signals the heart continuously sends to the brain influence the function of higher brain centers involved in perception, cognition, and emotional processing.

In addition to the extensive neural communication network linking the heart with the brain and body, the heart also communicates information to the brain and throughout the body via electromagnetic field interactions. The heart generates the body's most powerful and most extensive rhythmic electromagnetic field. **Compared to the electromagnetic field produced by the brain, the electrical component of the heart's field is about 60 times greater in amplitude, and permeates every cell in the body.** The magnetic component is approximately 5000 times stronger than the brain's magnetic field and can be detected several feet away from the body with sensitive magnetometers.

The heart generates a continuous series of electromagnetic pulses in which the time interval between each beat varies in a dynamic and complex manner. The heart's ever-present rhythmic field has a powerful influence on processes throughout the body. We have demonstrated, for example, that brain rhythms naturally synchronize to the heart's rhythmic activity, and also that during sustained feelings of love or appreciation, the blood pressure and respiratory rhythms, among other oscillatory systems, entrain to the heart's rhythm.

We propose that the heart's field acts as a carrier wave for information that provides a global synchronizing signal for the entire body. Specifically, we suggest that as pulsing waves of energy radiate out from the heart, they interact with organs and other structures. The waves encode or record the features and dynamic activity of these structures in patterns of energy waveforms that are distributed throughout the body. In this way, the encoded information acts to in-form (literally, give shape to) the activity of all bodily functions—to coordinate and synchronize processes in the body as a whole. This perspective requires an energetic concept of information, in which patterns of organization are enfolded into waves of energy of system activity distributed throughout the system as a whole.

A large portion of the Institute of HeartMath*{an internationally recognized nonprofit research and education organization}*research has investigated heart and brain interaction. Researchers have examined how the heart and brain communicate with each other and how that affects our consciousness and the way in which we perceive our world. For example, when a person is feeling really positive emotions like gratitude, love, or appreciation, the heart beats out a certain message. Because the heart beats out the largest electromagnetic field produced in the body, researches are able to gather significant data from it.

The heart plays an important role far beyond what is commonly known. Did you know that your heart emits electromagnetic fields which change according to your emotions? Did you know that the human heart has a magnetic field that can be measured up to several feet away from the human body? Did you know that positive emotions create physiological benefits in your body? Did you know that you can boost your immune system by conjuring up positive emotions? Did you know that negative emotions can create nervous system chaos, and that positive emotions do the complete opposite? Did you know that the heart has a system of neurons which have both short term and long term memory, and that their signals sent to the brain can affect our emotional experiences? Did you know that in fetal development, the heart forms and starts beating before the brain is developed? Did you know that a mother's brainwaves can synchronize to her baby's heartbeats? Did you know that the heart sends more information to the brain than vice versa?

Heart Transplants and Cell Memory

The heart ultimately stores memories through combinatorial coding by nerve cells, which allows the sensory system to recognize smells, according to cellular memory theory.The cell memory phenomenon, while still not considered 100 percent scientifically-validated, is still supported by several scientists and physicians. The behaviors and emotions acquired by the recipient from the original donor are due to the combinatorial memories stored in the neurons of the organ donated. Heart transplants are said to be the most susceptible to cell memory where organ transplant recipients experienced a change of heart. In a study published in the journal of Quality of Life Research, researchers interviewed 47 patients who received a heart transplant over a period of two years in Vienna, Austria. Researchers found that 79 percent of patients did not feel that their personality changed post-surgery, 15 percent experienced a change in personality due to the life-threatening event, and six percent did confirm a drastic change in their personality due to their new heart. While the percentage of personality changes as a result of an organ transplant hints to be insignificant, further research has been done to validate the existence of this concept.

At the School of Nursing at the University of Hawaii in Honolulu, researchers sought to evaluate whether changes experienced by organ transplant recipients were parallel to the history of the donor. Researchers focused on 10 patients who received a heart transplant and found two to five parallels per patient post-surgery in relation to their donor's history. The parallels that were observed in the study were changes in food, music, art, sexual, recreational, and career preferences in addition to name associations and sensory experiences. In the study, a patient received a heart transplant from a man who was killed by gunshot to the face, and the organ recipient then reported to have dreams of seeing hot flashes of light directly on his face.

Aside from scientific studies, there have been several real-life cases that support the cell memory theory. Claire Sylvia, a heart transplant recipient who received the organ from an 18-year-old male that died in a motorcycle accident, reported having a craving for beer and chicken nuggets after the surgery. The heart transplant recipient also began to have reoccurring dreams about a man named 'Tim L.' Upon searching the obituaries, Sylvia found out her donor's name was Tim and that he loved all of the food that she craved, according to her book A Change of Heart.

Allah will not call you to account for that which is unintentional in your oaths, but he will call you to account for that which your hearts have earned. And Allah is Oft-Forgiving, Most-Forbearing. (Quran 2:225)

Woe, that Day, to those who deny [(Allah, His Angels, His Books, His Messengers, the Day of Resurrection, and Al-Qadar (Divine Preordainments)]. Those who deny the Day of Recompense. And none can deny it except every transgressor beyond bounds, (in disbelief, oppression and disobedience of Allah, the sinner!) When Our Verses (of the Quran) are recited to him he says: "Tales of the ancients!"
Nay! But on their hearts is the Ran (covering of sins and evil deeds) which they used to earn.(Quran 83:10-14)

That He (Allah) may make what is thrown in by Shaitan (Satan) a trial for those in whose hearts is a disease (of hypocrisy and disbelief) and whose hearts are hardened. And certainly, the Zalimun (polytheists and wrong-doers, etc.) are in an opposition far-off (from the truth against Allah's Messenger and the believers). (Quran 22:53)

And disgrace me not on the Day when (all the creatures) will be resurrected; The Day whereon neither wealth nor sons will avail, Except him who brings to Allah a clean heart [clean from Shirk (polytheism) and Nifaq (hypocrisy)]. (Quran 26:87-89)