Trinity of Life: Brain-Heart-Lungs

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Corresponding Author:
Dr. Deepak Gupta,
Anesthesiologist, Wayne State University, 48201 - United States of America

Submitting Author:
Dr. Deepak Gupta,
Anesthesiologist, Wayne State University, 48201 - United States of America

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Author(s): Gupta D

My opinion

As perioperative and critical care physicians, we are always encountering dilemmas about the definition of death. Without delving into philosophical intricacies about this definition from an individual's perspective, I want to focus on how and when specific organs can be proclaimed dead wherein some organs' deaths are almost always considered equivalent to deaths of the individual bodies harboring those dead organs. Historically, prior to mechanical ventilation era, people must have believed that if a person is not visibly breathing, that person must be already dead. Once the era of cardiopulmonary resuscitation (CPR) dawned, it must have become apparent to people that, until a person's heart has given up on the person despite timely initiation of resuscitative efforts, that person can't be pronounced dead. Now, the way the times are evolving to focus on protecting brains by cooling them down along with futuristic cryogenically frozen bodies harboring such protected brains [1-2], it may eventually turn out that clearly defined irreversible deaths for persons may become unquantifiable and mystical phenomena during the futuristic eras. In the interim, it can be said that lungs are alive when they are breathing naturally or artificially, hearts are alive when they are beating naturally or artificially, brains are alive when they are thinking naturally or artificially, and bodies are alive when these trinities of life are functioning as they are supposed to for the bodies harboring them. The time-sensitive thresholds and time-bound deadlines defining the reversibility of organ functions have evolved over time to eventually push back those times further and further when proclaiming the irreversible cessation of critical organs' functions and thus prolonging the life history of modern human beings whereby pronouncing definitive irreversible deaths of bodies will eventually become more and more mystical.

To have a potential insight into such future, the recognition of fibrillating hearts will be so early during day-to-day lives of bodies harboring these potentially sick hearts that these bodies without worrying about natural hearts-initiated pulsatile blood reaching to them will be able to afford to remain conscious and communicative despite these bodies' hearts eventually becoming irreversibly dead because with time these irreversibly dead natural hearts will become irrelevant when automated implantable cardiac devices will not only defibrillate and pace electronically but also compress mechanically buying the time for these bodies to get these irreversibly dead natural hearts replaced with artificial hearts ready to do the pumping of pulsatile blood throughout these bodies [12-13]. Finally, these so-called irreversibly dead bodies harboring non-breathing lungs, non-beating hearts and non-thinking brains will be able to get cryogenically frozen so early in time that their bodies will get frozen in the space-time continuum to eventually get revived in toto wherein these supposedly dead bodies will be able to be alive again with their re-breathing lungs, re-beating hearts and re-thinking brains by making the leap in time to continue their lives from where they had "irreversibly" left thus making their "irreversibly-dead-and-frozen-time-periods" as irrelevant glitches in their space-time continuum [1-2].

Summarily for now, we should not be amazed or rattled or confused (a) when deciding to initiate CPR in conscious and communicating bodies demonstrating fibrillating hearts because these bodies' brains will much sooner than later stop showing signs of thinking by losing their consciousness and ability to communicate [3], or (b) when deciding to sedate during CPR when effective CPR is inducing return of consciousness and ability to communicate sooner than later in those bodies whose natural hearts are failing immediately after withholding CPR thus warranting...
continuous effective CPR in those bodies harboring conscious and communicative brains in spite of harboring non-beating natural hearts [14-15].

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