

Science of Unitary Human Beings-Abstract System on Exploration of Environmental Stressors among Sick Children at Amrita Institute of Medical Sciences, Kochi, Kerala

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Abstract

The children are passive creatures who are molded by environment. If they fall in illness their understanding and interpretations from external sources are unable to predict. Science of Unitary Human Beings abstract system developed by Martha E Rogers in 1970. This abstract blocks provides a way to view the unitary human being, who is integral with the Universe. A change of pattern and organization of human and environment fields is transmitted by waves. The manifestations of the field patterning that emerge are observable events. By identify and predictions of the pattern, is required better understanding of human experiences.

Keywords: Human Beings, Environmental Energy Field, Openness, Pattern, Pan Dimensionality, Strange Environmental Stressors.

Introduction

The children are passive creatures who are molded by environment if they fall in illness their understanding and interpretations from external sources are unable to predict. The author chosen the 'Science of Unitary Human beings' for her study titled 'Explore the perspectives of strange environmental stressors among sick children' to identify their stressors in existing unit and try to predict the perceptions of hospitalization. The science of Unitary Human Beings challenges traditional ways of thinking about the world and about nursing. This new worldview, characterized by energy fields, continuous mutual change in humans and their environment, no causality, and reality unbounded by space and time is called an abstract system by Roger's. The science of Unitary Human Beings was not derived from other sciences, but, rather originated as a synthesis of facts and ideas from multiple sources

of knowledge ; a new product. The uniqueness is in the phenomenon central to its concern; people and their environment. The abstract system of mutuality generates no causality (acausality). A Rogerian view of acausality emerges from an infinite universe of open systems. Cause and effect are contradictions of open systems. The science of unitary human beings provides a world view of a universe that is beyond our current understanding or familiarity. It includes possibilities for the future and recognizes change as basic to existence.

Buildings Block of the Abstract System

As Rogers worked on the development of her abstract system, it became necessary that she become more specific. Energy fields, openness, pan-dimensionality, and pattern have been identified as building blocks of her abstract system. Rogers refers to universe of open systems, and her view of systems proposes a mutual process of change in human beings

and environment that is continuous. Human beings and their environments are defined as energy fields.

Energy Fields; Energy fields are “the fundamental units of the living and the non-living”. (Roger’s 1990). Field is the concept that unites humans and their environments. Energy signifies the dynamism of the human and environmental fields. Fields are infinite, in continuous motion, and always changing mutually; in essence without boundaries.

Human beings are wholes, not merely collections of body parts or body systems. Wholeness is irreducible. Human beings have the capacity for abstraction and imagery, language and thought, sensation and emotion” (Roger’s 1970). They have the ability to perceive the universe and wonder about it. Unique human energy fields are differentiated by pattern just as fingerprints or voice prints are unique to individuals.

Environment; the environmental field is also a whole with its own identity and is also irreducible, indivisible, and differentiated by pattern. Human and environmental energy fields are integral with one another. The mutual process of the energy fields is observed in manifestations of pattern.

Openness; the integrality of human and environmental energy fields is possible because both are open systems. Openness between human beings and their environment is continuous—that is, they are always open. Energy is in continuous movement. Human and environmental energy fields evolve and continuously change at the same time.

Pan dimensionality; Human beings are unique energy fields that cannot be divided or reduced. The human field is integral with its unique environmental field, which also cannot be divided or reduced. Both

fields have infinite dimensions. Because we live in a three-dimensional reality but does not mean that there are no other realities. The term refers to a reality that is different than a three-dimensional world view. Pan-dimensionality is a new reality, a way of perceiving that is a new and different way to view the world.

Pattern; Human energy fields can be differentiated from their environmental energy fields by pattern. Pattern is an abstraction that cannot be seen; however, manifestations of a pattern can be observed. The pattern is in the form of a single wave. Field patterns demonstrate increasing variation and continual change. Therefore, the field patterns are unpredictable, dynamic, creative, and continuously innovative.

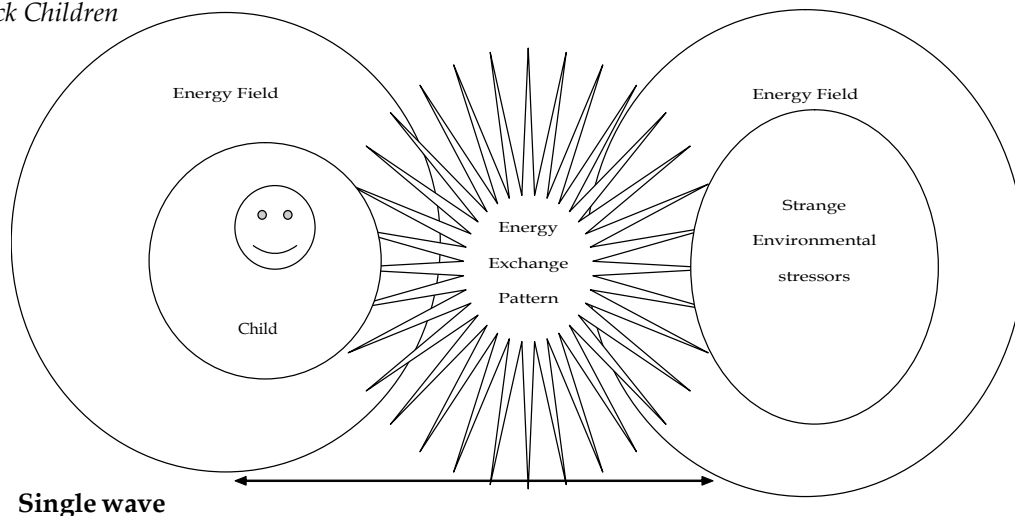
Assumptions of Roger’s Science of Unitary Human Beings

Roger’s (1970) identified five assumptions that support and connect the concepts within her conceptual model;

- Man is a unified whole possessing his own integrity and manifesting characteristics more than and different from sum of his parts.
- Man and environment are continuously exchanging matter and energy with one another.
- The life process evolves irreversibly and unidirectional along the space-time continuum.
- Pattern and organization identify man and reflect his innovative wholeness
- Man is characterized by the capacity for abstraction and imagery, language and thought, sensation and emotion.

The first four assumptions relate to all living systems including the person. The fifth assumption relates only to the human beings

Abstract System of Science of Unitary Human beings Major Concepts on Exploration of Environmental Stressors among Sick Children



Energy Field

The environmental field is defined as irreducible, pan dimensional energy field identified by pattern and integral with the human field. Each environment field is specific in its given human field. Both changes continuously and creatively.

In this study, the *unitary human being* refers to the *hospitalized child* where the child is in energy field. The child exchanges energy continuously from exposure of new environment. Here, the child exchanges energy with the physical environment of the pediatric unit during the hospital stay and changes occur in child as a positive or negative experiences. These changes influences the child psychological perspectives which may cause anxiety and stress and other unpredictable phenomenon. The unpredictable changes is unmeasurable. The investigator trying to assesses the strange environmental stressors of children during their hospital stay.

The energy field of environment refers to the environment of the pediatric units of the hospital which includes the health care professionals and settings of the unit. In health care professionals which means their physical fittings such as white uniform, white coat, neck around stethoscope, medical equipment's; injection syringes, thermometer and therapeutic supplies; intravenous infusion stand, injection tray, medicines. The newer exposure of physical set up; hospital beds, patient uniforms, different rooms, co patients and their appearance and sufferings expressions the child threatened to adopt and accept this environment. The child inner mind is changing continuously for each time, event and day.

Openness

The concept of the universe of open systems holds that energy fields are infinite, open and integral with one another. The human and environment field are continuous process and are open systems. The human field and the environment field are constantly exchanging their energy. There are no boundaries or barrier that inhibits energy flow between fields.

In this study, the openness refers to the child and the environment is exchanging their energy constantly and there is no barrier between them. The child changes due to the child presence the environment also changes, here the meaning is physical and nonphysical materials around the child also have changes continuously. There is no limitations and prohibition of flow of energy from these two.

Pattern

Pattern identifies energy fields. It is in distinguishing characteristic of a field and is perceived as a single wave. The nature of the pattern changes continuously and innovatively. Each human field pattern is unique and is integral with its own environmental field. Manifestations of pattern have been described as unique and refer to behaviors, qualities and characteristics of the field; a sense of individual. The human field pattern is integral with the environmental field. The pattern is constantly changing and may manifest disease, illness or pain.

In this study, pattern refers to the responsiveness; anxiety, stress or non - responsiveness; and the atmosphere or nature of the environment. It depends on each child temperament of explorations of their perceptions in their own and different way. The exhibits behaviors may be of responsiveness or non - responsiveness. These are perceived as the single wave by the child.

Pan Dimensionality

Rogers defines pan dimensionality as a non - linear domain without spatial or temporal attributes. The term pan dimensional provides for an infinite domain without limit. It is best to express the idea of a unitary whole. Human and environmental fields, and all reality, are believed to be pan dimensional (Rogers 1992). This is a way of perceiving reality, of moving beyond the standard view of the world as three - dimensional. When we move beyond the three - dimensional view of the world, as one that we can experience with our five senses, there is no limit on the realm of possibility.

In the present study, the investigator refers pan dimensionality to the energy fields possessed by the hospitalized children and the hospital environment that cannot be imagined beyond the reality. The changes of unpredictable experiences within the observable phenomenon is extreme minimal in children. Unobservable and unpredictable phenomenon and impact of changes is unmeasurable and is nonvisible the fourth dimension (even the changes may not possible to predict by self).

The Science of Unitary human beings; the Environmental Stressors among hospitalized Sick children perspectives are explored;

Qualitative explorative design was chosen for this study. Children aged between 6-12 years were selected by purposive sampling technique. The sample size was 100 children. The gender

distribution was 42 males and 52 females were available during the data collection period which was 4 months from Dec 15 th 2014- March 2015.

The tools used were Dichotomous- Yes or no questions, developed and validated Noise Assessment Visual Analogue Scale (NAVAS), Photographs images, Rank Order (preferences most to least) and Forced Choice Questions (mandatory to choose any one option).

The important findings were revealed that the previous exposure of hospitalization were asked the children they reported 49 of them had already admitted and 51 of them were new experience of hospitalization. The investigator was asked the opinions about existing ventilation, all (100) of them preferred open ventilation in day time but nearly half of them (52) liked closed ventilation in night. Perspectives of Environmental Stressors was assessed by the use of selected photographs images - to choose in color of the unit, bedding, uniform and light set up. Most of them have chosen blue color is their favorite. Procedure room and indoor play room they have selected fantastic scenery image. Hospital equipment's, supplies and utensils they have chosen picturized items. An open ended question was asked to assess the fear and anxiety-which cause the threaten in this unit? Majority of them they expressed, afraid of any equipment's, pain in invasive procedures, scared in white uniform. The investigator interested to find their non-exploring experiences in hospital are prioritized in rank order choices. Their responses were, the first one fear and anxiety of hospital setting, next they told they have got good opportunity to mingle with peers and possible to spend time in existing play room facility in this unit. Finally, a question asked them to improvise the unit, they have listed play room should be spacious, decorative and need to add lot of facilities and colorful cartoons in wall and roof.

The conclusion of the findings that the children's perspectives is difficult to predict their real experiences exactly. The investigator tried to explore their inner mind thoughts and a chance to express their view in opinions, ranking order, options, visual images to choose according to their wish and perception. The science of unitary human beings philosophical concept is described by this study author here, children are unique, exposed newer hospital environment and children the field is openness. There is continuous energy exchange between simultaneously. The changes are in single wave pattern, once the change occurred, then it may not happen the same change it may differ in each time as pattern as experience. Prediction and

assumption is possible, it may not be accurate of the exploration of stressors or experiences of the children. Their experiences and stressors may not possible to measure by subjective verbalizations and through few objective questions. The changes may be broad and in-depth and unable to predict their experiences is called Pan dimension or multi dimension according to Rogers's concept.

This science of unitary human beings abstract system is derived the essence of life phenomenon from Rogers. She spent it for 25 years of time period to develop and re -define with subsystems revised the terms of principles to describe each in meaningful explanatory concepts. She revised and updated with new phenomenon and added/modified philosophical concepts in this abstract system to use for future generation. The readers need to spend time for clarity and thorough reading is required for understanding the basic concepts. This abstract system can be appropriate for basic research and applied studies to focus on right way.



Pediatric Unit



Blue Coloured



Pink Colored



Blue



Procedure room



Multi coloured stethoscope



Cartoon bin

Sources of Photographs (Photographs used with original author's written permission)

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2. Paediatric Medical Ward, AIMS, Kochi.
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