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Innovative Designs for Children's Clothing in Hospitals to Improve the Mood of Sick Children

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Abstract

The child is considered a major element in this world, and despite all the love and attention directed to the child, the child's illness and exposure to health problems from time to time is possible, and a visit to the hospital is necessary. Children usually suffer from fear and anxiety when staying in the hospital. So we researched clothes for sick children, striving to improve the mood of sick children in the hospital. The research problem and objectives are summarized in: Access to innovative hospital clothing designs for children that help improve the condition Moods and identifying the artistic features of children's clothing designs in the shop and searching for designs in terms of decorations, drawings, models and colours. The search tools were: Questionnaire form With the opinions of mothers regarding innovative designs for children's clothing in the hospital to improve the mood of sick children, prepared by researchers. Use the current search:- Descriptive method: In preparing the theoretical framework and previous studies on innovative designs, patients' clothing, and children's moods.- The semi- experimental approach: in preparing research tools, applying the research experiment, and arriving at results. results came: By proving the validity of the assumptions There are statistically significant differences in the effect of innovative designs Adding decorations and drawings to special hospital clothes children to improve their condition Children's temperament from the point of view of the research sample. There are statistically significant differences in the effect of innovative designs By adding colors to clothes, pain will be bealed Private children to improve their condition Moods from the point of view of the sample search There are statistically significant differences in the impact of innovative designs Adding new models of special hospital clothing children to improve their condition Children's temperament from the point of view of the research sample

Key words: Innovative designs - for children's clothing – hospitals To improve the mood of sick children

The Introduction

A child is born on instinct. He has no idea, thought, or belief. He cannot distinguish between things. His knowledge is still in its infancy, his senses are beginning to receive experiences, his muscles have not been exercised, his feelings have not become clear, and his emotions have not yet been determined (Analysis of children's drawing 2017). It is nice for a child to be Attractive (Aisha Al-Qahtani). The childhood stage is characterized by soft, beautiful-looking clothes for the child, and they contain cheerful colors and drawings that give them vitality, which is reflected in the child himself. The use of certain colors may influence the feelings and

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emotions of the recipient (Mahnke, Frank H. And Mahnke, Rudolf H)

Clothes affect a child's mood, and he feels happy, comfortable, satisfied, and self-confident if they are well - made , comfortable, and fit his body. However, if they are inappropriate , they have the opposite effect . Ali (Shafi'i , Wafa Hassan (2002 AD))

It is, of course, normal for children to feel afraid and withdrawn at times when visiting the hospital

It is important that clothes help the child develop and increase his self-confidence by paying attention to the child's taste and taking his opinion in choosing his clothes, as clothes may affect the child's mental health (Razan Bamhisoun - 2017) and we all know that half of the treatment is related to the psychological aspect of the patient, which makes him accept The treatment is completed and he recovers in the hospital. Therefore, attention must be paid to what clothes the child wears in the hospital to bring joy to the place he used to see as gloomy.

is a major element in this world, and despite all the love and attention directed to the child, the child's illness and exposure to health problems from time to time is a common occurrence, and a visit to the hospital is necessary. Children usually suffer from fear and anxiety when staying in the hospital .

So we researched clothes for sick children, striving to improve the mood of sick children in the hospital .

The Research Problem Lies in the Following Questions

revolves around the following main question: What is... The extent of the impact of innovative designs of special hospital clothing children to improve their condition Children's moods ?

Questions branch out from the main question next:

- A: What is the impact of innovative designs on special hospital clothing ? children to improve their condition Children's moods By adding decorations and drawings?
- B: What is the impact of innovative designs on special hospital clothing ? children to improve their condition Moods for children by adding different models?
- C - What is the extent of the impact of innovative designs of special hospital clothing ? children to improve their condition Children's moods by adding various colors?

Research Importance

The importance of this research is highlighted as follows:

- 1- Identify the technical features of children's clothing designs that help improve children's moods in general
- 2- Access to innovative clothing designs for children in the hospital that help improve the mood of sick children

Research Aims

This research aims to:

- 1- Access to innovative designs of children's clothing in the hospital that help improve the condition Moods .
- 2- Identify the technical features of children's clothing designs in the hospital

3-Completing a number of designs for children's clothing in hospitals in terms of drawings , decorations , models and colours.

Research Hypotheses

To answer the research questions, the following hypotheses were formulated:

First Assumption

There are statistically significant differences in the effect of innovative designs By adding decorations and drawings to special hospital clothes children to improve their condition Children's temperaments from the point of view of the research sample

- Second Hypothesis

There are statistically significant differences in the effect of innovative designs Adding colors to special hospital clothes children to improve their condition Temperament from the point of view of the research sample .

- Third Hypothesis

There are statistically significant differences in the impact of innovative designs Adding new models of special hospital clothes children to improve their condition Children's temperament from the point of view of the research sample

Methodology

- Descriptive method : In preparing the theoretical framework and previous studies on innovative designs , patients' clothing, and children's moods .
- The semi- experimental approach: in preparing research tools, applying the research experiment, and arriving at results .

Border Search

The search is limited to:

1-Objective limits: The study will be limited to children's clothing in the hospital with regard to design through drawings, decorations, model and color.

limits : The research will be implemented and implemented during the first semester of the Hijri year 1443

3- Human limits: The research will be limited to mothers of sick children in the Mahayil Asir region:

Sample

The sample was formed Of (79) mothers of sick children in the Mahayil Asir region

Search Tools

The tools for this research were prepared :

Sample designs for clothes for sick children in the hospital

Questionnaire submitted to mothers of sick children in the Mahayil Asir region.

Postulates

- 1-Clothes affect a person physiologically and psychologically in general and children in particular
- 2-the health Psychological affect health Physicality
- 3-Distinctive children's clothing In colors And the decorations are inspiring Happiness in the child's soul

Search Procedures

1. Preparing the theoretical framework and previous studies For research.
2. Design of research tools (questionnaire) .
3. Applying studies and surveys to ensure facts and reliability, a questionnaire (mothers of sick children in the Mahayil Asir region) .
4. Publish the questionnaire to cover the research and present recommendations and proposals .
5. Verifying the validity of the research hypotheses by analyzing the data, processing it statistically, and drawing conclusions.
6. Presentation and discussion of results .
7. Presentation of recommendations and proposals .

For Terms

Designs Innovative: creating or producing beautiful, enjoyable things. Each design differs from the other in details, and there may be many differences in decoration, texture, size, color , and other details. (Abdel Aziz Gouda, 1997 AD)

The Condition Mood: Mood or mood differs from feelings in that it is less specific, less emotional, and in that it does not result from a specific stimulus or event. Mood in general can be either positive or negative. In other words, what people usually talk about their mood is either in a good mood or in a bad mood . (Dr. Haitham Al-Nahi Al-Anstin Heba Sheri and Hayat Hassanein

Previous Studies

Study by “ Zainab Ahmed Abdel Aziz ” - Entitled: “The possibility of designing clothes for special age-limited groups and adapting them to the functional properties for final use” (Master’s thesis - Faculty of Home Economics - Menoufia University - 1997)

The study aims to: the possibility of designing clothes for special age groups and their suitability to the functional properties for final use, with the aim of designing some clothes for the operating room, with the aim of protecting the doctor and assistants from infection and pollution.

The study concluded : The use of non-woven fabric resulting from the cohesion of the bristles is suitable for the category of surgeons during surgical operations.

Study by “ Magda Mady and Ihab Ahmed ” Entitled: “Developing the Design of Patient Uniforms During Treatment in Public and Private Hospitals,” Journal of Home Economics, Menoufia University, Issue (4), October 2005.

The study aims to: develop the design of the patient’s uniform during treatment in public and private hospitals, and provide comfort as well as help the doctor carry out his therapeutic tasks

towards the patient through designs that are consistent with the requirements of the therapeutic condition of patients in the internal medicine department in public and private hospitals.

The study concluded : There is a statistically significant relationship in responses to some of the proposed designs for the availability of aesthetics and the provision of some comfort and freedom of movement. The acceptance rate was high for the axis of protection and ease of use for some designs.

Mona Samir Fattouh Jamil, 2010) Presented a Study Entitled “ The Possibility of Coming up with Suitable Clothes for Patients with Structural Eczema as One of the Skin Diseases Affected by Clothes for Pediatric Patients,” aiming to

Exposure to an analysis of eczema and the effect of clothing on affected patients, along with identifying the locations of the infection.

study found appropriate designs to prevent eczema, by choosing the material (cotton and rayon) . Viscose with a suitable textile composition and its use in clothing design reduces attacks of illness

Study (Noha Abdel Hamim Abdullah Hilal, 2010): Suggested designs for clothes for children with special needs to contribute to adapting to disabilities.

study aims to develop proposed designs for clothing that suits the disability of children with special needs, the cerebral palsy category, to help them. To overcome disability and the problems facing these children and their parents,

I came up with designs to encourage these children to rely on themselves without resorting to the help of others in the process of dressing and undressing, which gives them confidence and security.

To pay attention to people with disabilities, (Walaa Ahmed Ali Hamama, 2010) studied the design of some

Protective clothing for neurological patients (Alzheimer’s patients). It aimed to provide protective clothing compared to diapers that is easy to handle during the use process, relying on the material and structural design of the product in order to give the healthy aspect of permeability, compressibility and absorption, and

I came up with a proposed product of diapers that is lightweight and portable

Weaving and high ability to achieve the level of performance.

Study by Maha Talaat Al-Sayed Khalfallah - entitled (Improving the functional performance of fabrics used in the medical field by preparing them to resist bacteria and remove dirt) 2017

aimed to search for the best operating conditions in terms of the concentration of the bacteria-resistant material , the concentration of the dirt-removing material , the type of sterilization material, and the concentration of the wrinkle-resistant material. The study concluded that the best textile composition that helps to achieve the best functional performance rate and the best processing conditions is the composition Plain weaving 1/1.

Study by Amira Muhammad Wafaa Al-Din – Titled (The effect of different sewing techniques on the functional performance of bacteria- resistant medical fabrics) 2017

aimed to search for the best textile composition and weaving technique that give the best

functional properties to the final product. The study concluded that the fabric produced from a material (50-50% cotton/polyester) for the weft thread, and a polyester sewing thread , and the use of the English seam as a technique Knitting is the best for all functional performance properties of the fabrics produced, with a quality factor of 91.2%.

- **Study by Abdeen, Aliya Ahmed (1976 AD) Ph.D.**, entitled “The Role of Innovative Thinking in Fashion Design.”

This study aims to test thinking at different levels of artistic performance, and this requires scientific identification of the different aspects of fashion design, to discover the role of innovative thinking in fashion design, which is an essential step towards preparing accurate standardized fashion design tests to measure.

Innovation factors include fluency, flexibility, and originality. One of the most important results of the research is that fashion design is affected by the components of innovation (fluency and flexibility).

And originality . Influence appeared with fluency and flexibility and did not appear with originality because affection has many ideas, and because new and original ideas do not affect fashion design much, and the ability to find the largest possible number of ideas is explained by the diversity and change that occurs in affection in general. One after the other , we see that the association of design with innovation appears in the common factor between them, which is flexibility

- **Nasr’s study , Yasser Muhammad Suhail Muhammad (2000 AD)** Research, entitled “Inspiration system in textile design.”

The research aims to define a scientific and logical system that explains the sources of the inspiration process in design, present a method of inspiration in the field of clothing design, and produce an innovative design collection for women’s clothing.

One of the most important results is the presentation of a scientific and logical system that explains scientific sources for inspiration

Design in general.

- **Study by Salman, Saad Ali (1999 AD)** Research, entitled “Innovating designs derived from the nature of the Kingdom of Saudi Arabia that suit modern technologies for women’s clothing.”

The research aims to find out how to design fashions derived from the nature of the Kingdom and compatible with modern technologies for women's clothing

Among the most important results is highlighting the vital and main role of marine nature, in-depth study of its value and artistic elements, linking the elements of nature with fashion design, and creating women’s designs that are compatible with modern technologies. The quote from the nature of the Kingdom of Saudi Arabia dealt with its lines at times and its colors at other times to show its shape and degree of proportionality and harmony. And its resulting rhythm with different color spaces and lines

How to Benefit From the Studies Previous

- studies were taken advantage of .
- Preparing the theoretical framework and preparing designs in terms of drawings, decorations, models, and color .

- In preparing research tools
- In discussing the results

Theoretical Framework

Innovative Designs

God created this universe with aesthetic and utilitarian relationships in a way that is beyond human feelings and our minds

Limited beyond imagination, the artist here is nothing but an attempt by a person who possesses talent, the power of observation, and sensitive feelings to present aesthetic touches to others with his human abilities resulting from the process of contemplation, thinking, and practical experience that leads him to delve deeper into innovative thinking and reach its correct concept.

Which leads to countless innovative processes (Abdul Hadi , 2006 AD)

Innovation

It is the creation of something new or the discovery of something new and original, the novelty is not only in its elements, but.

In organizing and harmonizing them, it is an integration and integration, not aggregation and addition (Abdeen, 1995 AD). Innovative thinking plays an important role in fashion design. The designer cannot reach creativity unless he is innovative, so that in the end he obtains fashions that have their originality, which no thinking has reached. jealousy

(Abdeen , 1976 AD) .

Innovative thinking is based on knowing how scientists think when they come up with their inventions, and inventions are among the qualities of genius that the inventor has on the one hand, and the need and circumstances that he goes through on the other hand, and this in turn creates opportunities for this, so the individual here reaches

Improving something or reaching a solution to the problem in innovative ways (Basandi , 2004 AD) .

Ashour (2005) believes that innovative thinking in fashion design requires an innovative mind that understands both emotion and sense of vision, self and subject, individual and environment, and thinks on the basis of a comprehensive and indivisible experience. Innovative thinking depends on the designer's ability, culture, skill and imagination in Inventing and creating work that is characterized by novelty and originality, and fulfills the purpose or function for which it was created. To achieve this, three basic points must be recognized that help in the process.

Innovative thinking is

- 1-. Innovative thinking methods
- 2-. Stages of innovative thinking
- 3-. Components of innovative thinking

“ The Innovative Thinking and Fashion Design ” Innovative thinking plays a major role in the art of fashion design, because man does not exhaust all his creative ideas because he is constantly changing, generation after generation, and nature often pushes man towards

innovation, How many designs have fashion designers created that are influenced by nature? The innovator is alert to his senses in relation to nature. Contemporary designers are still inventing modern designs and have inspired some of their lines from various sources. Scientists and innovators are still trying to research these sources that indicate man's urgent desire to create designs. The wonderful (Abdeen, 1976 AD) , and we find that each type of art has its own material that expresses it, such as: the word, sound, movement, and all kinds of materials, but this material cannot acquire aesthetic artistic value for itself unless it is shaped by the innovative, creative artist and designer. He transforms that

The material into an aesthetic work (Abdul Hadi, 2007)

From what the researcher discussed, she sees that innovative thinking is a process linked to the (psychological , behavioral, cognitive, and social) aspects, as it emerges through the levels of awareness (conscious thinking, conscious and subconscious thinking, subconscious thinking) , which is a process that precedes the innovative process, and innovative thinking is one of the foundations Important in any field, especially in the field of fashion design, which

It plays an important role by linking it appropriately to the goal of renewal, change, and development to achieve

Results characterized by tangible creativity

Design: It is work that achieves its purpose. Design consists of the innovative expression of an idea

(Ghaith and Al-Karabaliyah , 2007 AD) , and design means innovation and plastic creativity to produce beautiful, enjoyable and useful works (Abdul Hadi, 2006 AD) .

Design is the basic or individual treatment that takes place regarding the fabric material, colors, and design lines, and it results in artistic creativity in developing a new idea or concept for innovative fashion (Al-Luhaidan, 2004 AD) .

Design : The art of design is considered one of the applied arts that relies on artistic and scientific methods together without.

Separating them is not a skill, but it combines beauty and utility (Fadil , 2002) , and it depends on the designer's ability to innovate, because he exploits his culture, imaginative ability, and skill in creating work characterized by novelty that leads to achieving the purpose or function for which it was created (Ghaith and Al-Lakrabeliya , 2007)

Design is a word that indicates the limits of the human mind and the extent of the truths that a person perceives and gradually extracts from chaos. As his knowledge increases, he moves away from chaos and replaces it with coordination and order . Therefore, it is expected that the artist will have a sense of others in terms of understanding shapes and the meanings they contain. Design is organization and coordination. The group of elements or internal parts into a cohesive whole of the thing produced, that is, the harmony that combines the aesthetic and taste aspects at the same time

.(Shawqi , 2001 AD)

Design is an innovative process that requires an innovative mind that usually thinks on the basis of a comprehensive and indivisible experience. The innovative mind perceives both emotion, thinking, and sense of vision, the self, the individual subject, and the environment. All of these factors merge together in the innovative process (Momen, 2001 AD) .

Fashion design is not an easy process as some people think , but it is subject to many principles

The factors that control this innovative work and follow its stages from beginning to end. In general, the fashion design process is only the result of work carried out by the designer, and he must develop his designs from a real reality to serve the purposes of the society for which he designs and to be characterized by innovation and renewal (Al-Samman , 1997)

Children's Clothing

The effect of clothing on the child's health

Health is a state from a legal standpoint of physical, mental and social safety, and does not merely include illness or disability, including that health includes social safety, as it is a very essential and effective role in the educational work and behavior of the child.

Clothes come in second place in terms of importance for the child following food, and fashion experts stressed that just as food has an important role in the child's growth, October also works through clothing with food to facilitate the process of growth and development, and that the child cannot grow. He should not wear the required chlorine unless he chooses his clothes well.

Clothes affect the child's health in two ways: functionally (function), which is an important factor that affects what the child wears and what must be present in this clothing, such as the fact that it is practical and does not hinder his motor and activity and does not cause any organic diseases. Moral (determining behavior and personality formation). It is important that the clothing be It helps the child develop and gain self-confidence by paying attention to the child's taste and taking his opinion in choosing his clothes, as clothes may be related to the child's general health.

Fashion Design

- 1-When making clothes, the designer must take into account that they have specifications appropriate to the stages of development in order to meet the child's psychological and physiological needs.
- 2-It should be somewhat loose.
- 3- Clothes that are too wide may sometimes be more uncomfortable for the child than tight ones, as they are uncomfortable for movement.
- 4-It does not contain buttons or anything that the child might choke on if he is an infant
- 5- Overcuts should not be too long; It should not hang below the seat, so as not to limit the freedom of movement of the legs.
- 6-Practicality does not mean that children's clothing should be black and lack elegance and appeal. The child's clothes should radiate joy and fun, but without affectation or exaggeration
- 7- The designs that children usually prefer are: that It contains pictures of animals and children and their shapes, and designs of small flowers, stripes and squares, provided that they are also accurate and small in size

Raw Materials

You should generally wear clothes made of soft, breathable fabrics, such as cotton, as other fabrics may harm the baby's sensitive skin.

The Behavior

1-Colors affected the child's behavior, as the most exciting colors are for pre-school children Red and hot colors in general, while calm colors calm the child. Uncomfortable clothing designs also affect the child's behavior. If he is an infant, he will cry, but if he is older than that, he may try to remove his clothes, or remove them if he can.

2-It is not permissible for the mother to exaggerate in alerting the child to the need to keep his clothes clean, because the child will feel that the clothes limit his movement and enjoyment of his childhood. What is important to him is to play and discover the world around him, and the cleanliness of his clothes means nothing to him

1- Forming the Child's Personality

1-When a mother leaves her child the freedom to choose clothes that make him feel comfortable, she promotes the formation of an independent personality in him, but at the same time she must monitor his choices and advise him without feeling that she is imposing her opinion and taste on him.

2-When shopping, it is possible for the mother to choose several clothing items and make him choose between them, and this helps develop the child's decision-making ability.

3-It is important to use the method of praise when your child gets dressed without fighting or quarreling with him, and you can also use the method of humor and fun when helping him get dressed, so that the times of dressing are opportunities to strengthen the relationship between the mother and her child, in which she expresses the extent of her love, affection, and acceptance of him.

Children's Mood

Childhood is one of the most important stages that a person goes through, as it is the stage that is most susceptible to being affected by the various factors that surround him. The first five years are the ones that leave their impact and imprint on the personality and continue throughout life, and this is what This makes raising a child during this stage an important matter that deserves care and focus in all aspects. The mood state is one of the states that most children are exposed to during this stage. The mood state is a distinctive characteristic of the child, in which he is characterized by a change in his feelings from one state to another state that is completely opposite, that is, from a state of joy to another. The state of sadness, from a state of activity to a state of lethargy, where the child is characterized by irritability and instability This represents the child's mood, which fluctuates according to the daily situations he experiences .

Temperament is one of the components of personality and an essential element in it , as the child's personality is affected by the type of emotions he is exposed to , and the emotional predispositions dominate the mood type (Al-Badrani and Al-Wattar, 2013:339).

It is necessary, in the beginning, to give an overview of the meaning of the mood, as the blind sees that the mood indicates To modify or unify dispersed forces or a kind of definition of the whole, and it is the child's temperament that leaves its mark His fingerprints are in all his actions and this can be noticed at an early age. (Abdo, 2002: 446)

Mood is one of the basic components of the brain, as it is involved with cognition administration The cerebral schima and the temperament consist of motors and operational windows that usually control the.

Its movements and emissions, as the engines of mood are formed from an ascending pyramid

that contains entrances Emotional feeling that allows the crossing of both types of emotional impulses (happy and frustrating). Then pass it to the windows Internal , which plays the role of distribution and classification, as we find that the mood process practically begins after Mood goes through its own motion and carefully sorts its inputs

Mood Works in Two Directions

- 1- direction : - He is responsible for happy and joyful operations
- 2- direction : - He is responsible for sad and stressful processes

Because each of these aspects has an ascending pyramid that can increase or decrease, where the happy side includes (psychological euphoria or successful experiences, self-possession, overwhelming confidence, and emotional competence), while the sad side contains (pathological fears, failed experiences, lack of emotional competence, and shallow social depth). Mood is also subject to the amount of cognitive motivation directed at it and the amount of focus accumulated in the brain, as the mood brings up the negative side in an effort to avoid it and ensure that it does not work against it or participate in its misfortune. It is necessary to take care of the mood with calm and gentle care, with the need to keep it away from working hours. Traumas and severe psychological injuries that impair his activity, through positive emotional incentives such as recognition of self-identity, respect for opinions, thanks, praise, acceptance, and appreciation for achievement within the family, society, friends, and school. (Abed , 2011: 19 20) Buss & Plomin emphasize that the four basic aspects that make up temperament are (emotionality), as it is easy to arouse an emotional child and (activity). The active child is constantly busy, so he is in Continuous haste and (social). As for the social child, he is quick to respond to others and (impulsivity), in which the child is characterized by the tendency to respond quickly without any hesitation or hesitation.

(& Buss (Plomin, 1975: 20 Buss &).

Temperament is the general emotional nature of the child as it is determined by genetics and physiological composition. Temperament is a group of characteristics that distinguish the child from others, and these characteristics include :

- 1 The degree to which the child is affected by situations that arouse emotion. Is it superficial, deep, fast, or slow?
- 2 The type of emotional response: whether it is intense or weak, fast or slow, characterized by a lively nature or lethargy and listlessness.
- 3-The stability of his moods or their fluctuations between cheerfulness or depression.
- 4 The predominant mood is cheerful or depressed, happy or sad, agitated or calm. (Rajeh , 2009: 143), and that the mood and psychological state can spread from one child to another silently and in an unobtrusive manner, so if the mood worsens The child and his psychological state are transmitted to the family members and those around him unintentionally, but also without knowing how it happened. (Adas , 1999: 123)

Freud emphasizes that everything an individual learns is originally predetermined by a group of forces that are inaccessible and invisible, as the personality in adulthood occurs as a result of the interaction that occurred in the first five years of the child's life. Adler also confirms that Temperament and personality become clear through his outlook on life, as he sees that their formation is a reaction to the feelings of inferiority that the child feels, while Mezskinner Between mood and emotion, where mood was described as a predisposition to inclination, while emotion was described as inclination. (Othman, 2010: 6).

Personality Temperament

Since the very beginnings of human civilization, scientists have been trying to classify human beings into a specific formula, and why are the differences among them, as individuals differ between them and show that they have different motives and incentives behind their behavior? It was previously believed that psychological disorders are the result of satanic influence and the responsibility for treating them falls on religious leaders, not doctors, therapists, or Scientists, after much intellectual labor, have reached several results in classifying temperament, and among these classifications we will mention. (Hamza, 2013: 45) Hippocrates' types, as this classification is one of the first classifications of temperament, as he believed that temperaments consist of four types, emphasizing that the body is filled with four elements or fluids, and they are in a state of balance when the child is in good health, but when he is not Balance, for example, is the presence of a deficiency or excess in one of these fluids, resulting in certain diseases. These fluids are blood, black bile, and phlegm. Hippocrates is considered one of the first philosophers to work on linking physical characteristics and organs to mood, and mood can be identified through behavior (Melhem, 2009: 333). The four types, as seen by Hippocrates, are: -

- 1 - Bloody temperament : The child is characterized by being active and quick, and he can be easily stimulated and without depth or length of time. He is also weak in terms of perseverance.
- 2 - The bilious temperament: It is characterized by being highly emotional, hasty, and unpleasant
- 3 - Melancholic mood : It is characterized by being depressed and sad
- 4 - Phlegmatic or phlegmatic temperament: He is characterized by not caring about what is going on around him, being weak in emotion, and tending to be dull and slow . (Al-Saloum , 2001: 5) Hippocrates adds to this by saying that a healthy person is one in whom the four temperaments are mixed in moderate proportions. (Boguslowski , 1997: 306)

As for Kretschmer , he tried to make a connection Between physical characteristics and certain temperamental characteristics, I believe that there is some organic connection Between the body and mood, he suggested three patterns : (Saleh, 2005: 47)

- 1 - The weak type: whose owner is characterized by introversion, depression, and extreme sensitivity
- 2- The obese type: Its owner is characterized by being cheerful, extroverted, and quick to make friends

And the rapid fluctuation in his feelings.

- 3 - Athletic type : One study found that 50% of this type are characterized by extroversion and 30% are characterized by introversion, as each of these types is linked to a specific mood. (Rajeh , 2009: 378) As for Pavlov, he identified four types of temperaments in light of the patterns of Hippocrates:
- 4- Impulsive type : It corresponds to the bilious temperament of Hippocrates and is characterized by aggression and impulsiveness, as well as being highly excitable.
- 5- The lethargic type: It corresponds to the melancholy mood and its owner is characterized by lethargy and weak activity
- 6 - Balanced activity pattern : It corresponds to the bloody mood and is characterized by being a lot of movement and moderation
- 7- Calm style Balanced: It corresponds to the phlegmatic temperament and is characterized by acceptance, sobriety, and conservatism. (Boguslowski , 1997: 308)

Factors Affecting Mood

Mood depends primarily on several genetic and physiological factors, including the state of the nervous and hormonal systems, and also depends on the metabolism process.

(Metabolism) It also depends to some extent on the general health of the individual and the past physical and psychological history of the individual. What indicates that temperament depends to a large extent on heredity is what has been observed in infants who have observable temperamental characteristics, as some of them are distinguished by issuing certain sounds while others are observed. He does not stop screaming as long as they are awake. It is also noted that some of them are lively while others are calm, and that these characteristics, with their own color, color their behavior throughout life. This does not negate the role of the environment in determining mood, as studies have proven that older people who are exposed to diseases are more than others during the stage of life. Childhood was more affected by emotions of fear and anger, and Allport emphasized that temperaments are closely linked to genetic factors and biological determinants. (Rajeh, 2009: 143)

Allport explained temperament as the nature that distinguishes a child, which usually includes the extent of his susceptibility to emotional arousal and the strength and speed of response in the individual, in addition to the type of mood state and the extent of the fluctuation of this state in the child. He also viewed this phenomenon as dependent on the fact that temperament is those aspects of Personality depends on genetics. Temperament refers to the chemical climate or internal weather of the child. When we say that this child is cheerful, slow, or lethargic, or that this child is easy to frighten and frighten, or that the nature of this child is slow in movement, or that he is full of vitality, we are thus describing the temperament, as he sees it. Philip Vernon said that the term temperament is limited to genetic and hereditary factors such as motivation, the influence of endocrine glands, and the rest of the physiological factors that have an impact on the child's behavior. He also adds that temperament cannot be observed directly, as temperament during early childhood can be affected and modified by many environmental factors. There are individual differences in temperament that are clear between the child and his siblings who were raised with him in the same way. (Abdul Khaleq, 1984: 52) As a result of the interaction Between genetics and the environment, individual differences arise between children (Abu Ghazaleh, 2016: 780). Studies have shown that genetics plays a major role in determining the child's temperament pattern. They also reported that this role is modified as the child grows and ages as a result of the effects of the child's interactions with the environment and people important to the child and as a result Therefore, the child's temperament was described as flexible and adjustable

He confirmed (1990 Mangion) that every child has a formative or hereditary temperament towards a specific mood or a specific way of responding to reality, incidents and daily experiences to which he is exposed (Mangion, 1990: 134)

Mood Development in Children

Mood is defined as a pattern of emotional behavior that is dominated by the child's emotional state, as some children appear happy and cheerful all the time, and some of them cry many times, and this reflects a negative pattern. Accordingly, the children's style and emotional mood are classified, and the children's mood is linked to the mood of their parents, as their mood reflects the changes. The moods of their parents) (Qatami, 2014: 34)

Personality and Temperament

The term temperament has many diverse definitions, but it is often defined by formative and theoretical factors such as theoretical incentives, the influence of endocrine glands and other

physiological factors on the child's behavior, and certain general hereditary tendencies such as the strength of motivation and susceptibility to irritability versus dullness and emotional imbalance. Temperament refers to emotional characteristics. Which distinguishes the child in terms of the strength or weakness of the emotions, their stability, their fluctuations and oscillations, their proportionality or lack of proportionality to the stimuli, and the degree to which the child is affected by the situations that arouse the emotion. Is it superficial or deep? So it is said that one of the children is hot-tempered and that he is quick to anger, and another is said to be dull or dull. Slow arousal.)Al-Meligy , 2001: 27-28)

Patient Clothing

The issue of patient clothing constitutes a disturbing concern for patients whom doctors decide to hospitalize for days or weeks, because it often does not provide sufficient coverage or a decent appearance.

The hospital gown is made of fabric that can withstand repeated washing with hot water, and is usually cotton, and is fastened to the patient on the back with scratch tape ties. As for hospital gowns that are thrown away after being used once, they are made of paper or thin plastic, with plastic or paper back ties

Most doctors, especially in hospitals, find that the instrument makes it easier to listen to the heart and lungs. Nurses also find it easier to give injections into the buttocks with this type of clothing. The hospital gown is much thinner and more flexible than regular clothing, which protects patients from exposure to excessive heat. The gown is designed to reduce patients' discomfort with their clothing, such as the need to change clothes, keep multiple changes of clothing , or remove clothing when using the toilet. It is more comfortable to move around compared to regular clothes.

- Raw Materials Used in Medical Textiles

Medical textiles and other vital materials that are used for health care purposes are the pinnacle of worldwide research in the medical field. There is a general trend towards increasing the production of natural polymers that are biocompatible, biodegradable and non- toxic, used to manufacture many medical products .

Textile Materials

- Alif Medicine : Natural Fiber Cotton : Cotton Cotton is considered one of the oldest fibers that It was used by humans and the largest production of thousands Yes , yes Cotton occupies the main position B Y N Alif

Histology due to its excellence It has many characteristics and characteristics, and it is one of the thousands of species Tuberculosis , and cotton fibers are composed of hairs A surface that grows on seeds and consists of one cell in one direction. It is one of the most widely used textile materials , due to its distinctive properties . It has advantages such as comfort in use , durability and moisture absorption, and is free of electrical charges generated as a result of clothing rubbing against the surface of the skin and bearing it . To do this Repeated washing , but it has low elasticity and is convenient to use In hot and cold climates, cotton is affected by acids and oxidizing agents such as hydrogen and bleaching compounds . Cotton is affected by bacteria And mushrooms come Which is formed on it due to humidity and heat, therefore O shepherd Shame on him In a dark, dry place , cotton is used to make clothes and socks In the manufacture of upholstery fabrics .

Polyester is considered one of the most famous materials and has been in use for more than 50 years . It is distinguished by its combination of low price and multiple functional properties, making it the best commercially marketed industrial material in the world. And like other industrial raw materials , It can be produced and the diameters of its fibers can be controlled to the most accurate levels, which makes it suitable for various tasks, especially medical applications. Due to the strength of these fibers and the lack of a major negative reaction from the body and the lack of harmful bodies penetrating their internal contents, It is suitable and useful for medical purposes . When it is necessary to leave textile fibers inside the body for long periods, the polyester material is suitable for this purpose. When patching blood vessels , for example, polyester was used in woven and knitted forms , and experiments have proven the efficiency and effectiveness of this material.

And With reference to surgical sutures, which are an example of medical applications, there are many materials used for this purpose that are covered with gelatin. There is another type that was developed using advanced silk, which includes " spider silk " which was obtained from milk . Goats, where spider genes are injected into the mammary glands of goats. By employing textile technology to serve medical requirements , many materials have been produced in the form of single filaments, multi-filaments, or of a woven or non-woven nature for use in the biological and medical fields . Perhaps the main requirement for textile materials is that they be biocompatible when applied to humans, and for textiles in medical applications, they are medical bandages and splints used during the treatment of bone fractures . Perhaps the materials used for these purposes are always characterized by rubber and are often made in a Knitting , and these materials provide the required pressure and heating rates for the affected parts. And for For injuries to the knee area , there are many longitudinal and transverse tissue tapes and supports , which play an important role in supporting and controlling movement around the affected joints.

Colors of Clothing Inside the Hospital

We entered the world of doctors and asked them about the white coat and the blue and green robes in an attempt to find out why they chose their colors, the significance of these colors, and the extent of their commitment to them.

Dr. Amal Junaid, an ear, nose, and throat (ENT) consultant, prefers to wear a white tunic because it signifies purity, serenity, and peace. The color white, as I mentioned, has been associated with peace since ancient times. She believes that the doctor's responsibility is to rid the patient of his pain. In her view, he is the unknown soldier who is wasting his life with diseases . She believes that his uniform is a means of bringing him closer to the patient, to make him distinct from those around him. This uniform also has a positive effect on the patient, as it makes him feel the doctor's interest and eagerness to meet his patient after he prepares for him, wears the designated uniform, and sterilizes his hands and tools, so that it is evidence of cleanliness.

As for the green and blue gowns, they are designated for the operating room. These two colors give a feeling of calm and reassurance, as they are the color of the sky and trees. In addition to this gown, one must adhere to wearing a face mask, gloves, slippers, and a head cover. No doctor is allowed to enter the operating room without Adhere to it because it is sterile and intended for surgical procedures.

Regarding her feeling at the moment of wearing the surgical uniform, she says: This green and blue uniform gives me a feeling of responsibility, as any mistake could lead to the loss of a

person's life, and it also keeps me always on alert.

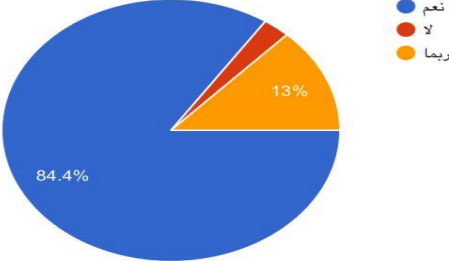
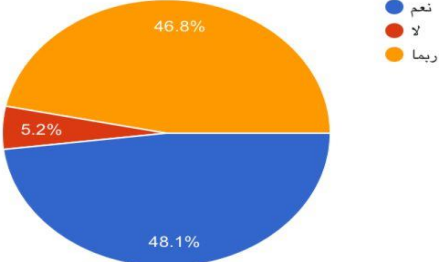
Research Methods and Procedures

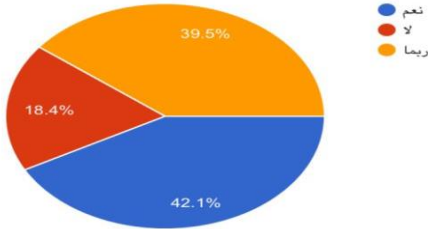
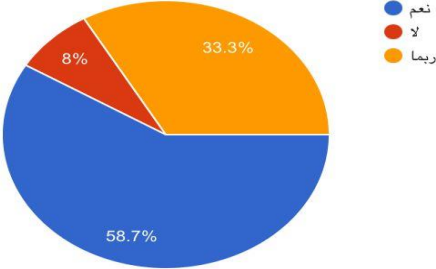
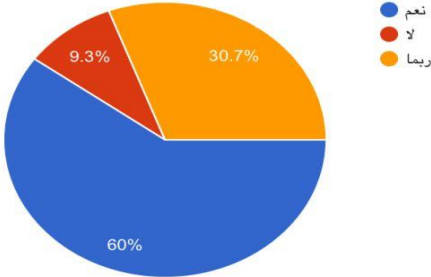
Search Tools

- Innovative designs
- A survey of mothers of sick children in the Mahayil Asir region to determine the extent of the impact of innovative designs on improving the mood of sick children (<https://forms.gle/jP16aCfAVft8HeKeA>

Questionnaire of the Opinions of Mothers of Sick Children

- Objective of the questionnaire: The researchers designed the questionnaire with the aim of identifying mothers' opinions on innovative designs of children's clothing in the hospital to improve the mood of sick children .
- Construction of the questionnaire: The questionnaire included basic information for the respondents, a set of statements related to mothers' opinions on innovative designs for children's clothing in the hospital to improve the mood of sick children , the sequence of its information, and the clarity of its language . Appreciate it _ Three (yes - no - maybe).
- A set of personal questions whose numbers are ()

Wondering	The result	Answer (yes)	Answer (no)	Answer (maybe)
Do you think that adding cheerful drawings and decorations to children's clothes in the hospital will help improve their mood?		%84.4	%2.6	%13
Does adding drawings and decorations to clothes give the child strength and self-confidence?		%48.1	%5.2	%46.1

Wondering	The result	Answer (yes)	Answer (no)	Answer (maybe)
Do you think these decorations improve the mood of children in the hospital?		%42.2	%18,4	%39.5
Do you think this is? Decorations improve the mood For children in the hospital?		%58.7	%8	%33.3
Do you think this is? Decorations improve the mood For children in the hospital?		%60	%9.4	%30.7

- A group of questions related to designs, including drawings and decorations and their numbers ()
 - A group of questions related to designs, including model numbers ()
 - A set of questions related to designs, including various colors and their numbers ()
 - revision Questionnaire: The number of questionnaire statements reached (20) statements that were formulated in the form of questions that were answered with (yes - no - maybe). Correction is made by converting the marks placed by the mother into a percentage.
- 1- **The Answer to the First Question** is what The extent of the impact of innovative designs of special hospital clothing Help children improve their mood by adding decorations and drawings ?

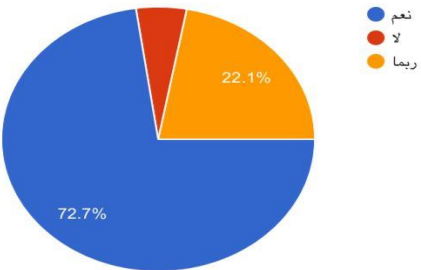
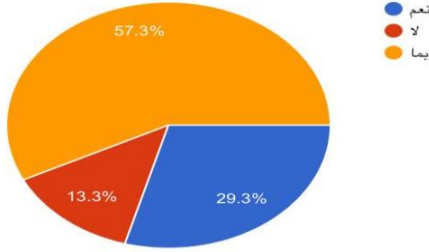
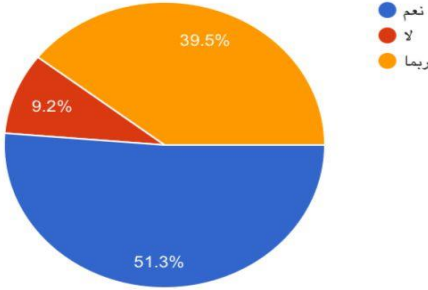
Verifying the First Hypothesis, there are statistically significant differences due to the effect of innovative designs in addition Decorations and drawings for children's hospital clothes improve the mood of children .

It is clear from the previous table that there is an impact of innovative designs by adding

decorations and drawings from the point of view of the research sample (mothers of sick children in the Mahayil Asir region)

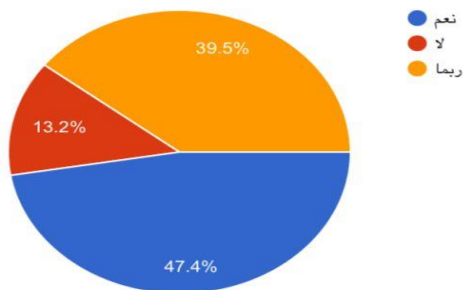
2-The Answer to the First Question is what The extent of the impact of innovative designs of special hospital clothing To improve the mood of children by adding different models ?

Verifying the First Hypothesis, there are statistically significant differences due to the effect of innovative designs in addition Models of children 's hospital clothing to improve the mood of children .

Wondering	The result	Answer (yes)	Answer (no)	Answer (maybe)
Do you think that clothing models have an impact on a child's mood?		%72.7	%5.2	%22.1
Do you think this model improves the mood of children in the hospital?		%29.3	%13.3	%57.3
Do you think this model improves the mood of children in the hospital?		%51.3	%9.2	%39.5

%47.4 %13.2 %39.5

Do you think this model improves the mood of children in the hospital?



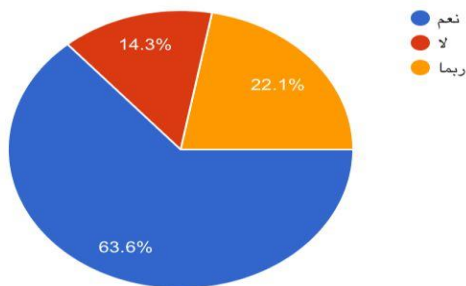
It is clear from the previous table that there is an impact of innovative designs by adding different models from the point of view of the research sample (mothers of sick children in the Mahayil Asir region)

3-The Answer to the Second Question is what The extent of the impact of innovative designs of special hospital clothing How to improve children 's mood by adding various colors ?

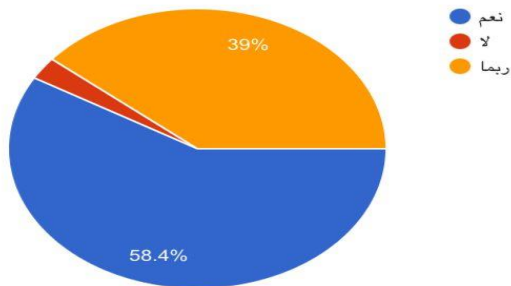
4-Verifying the Second Hypothesis , there are statistically significant differences due to the effect of innovative

Wondering	The result	the answer	Wondering	The result
		%64.6	%14,4	%22.1

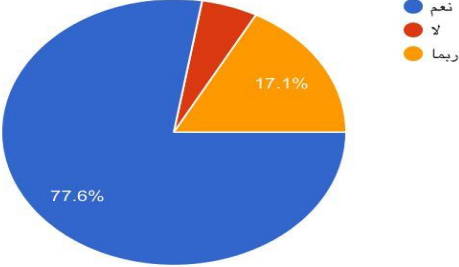
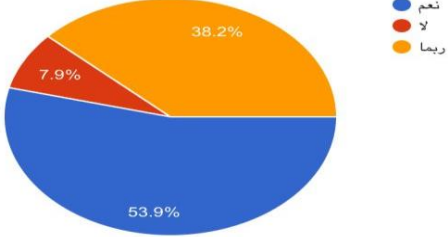
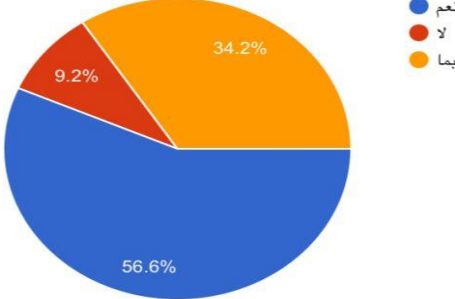
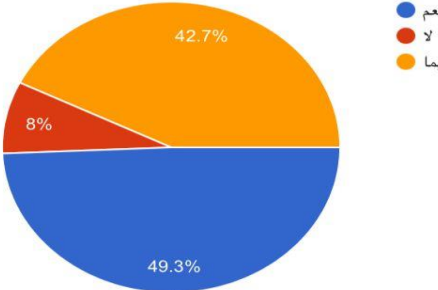
Do you feel that the colors Impact on the child's mood?



Do you think that adding colors to children's clothes in the hospital will help improve their condition?



%58.4 %2.6 %39

Wondering	The result	the answer	Wondering	The result
Do you feel that hospital clothes for children have cheerful colors for the child?		%77.6	%5.3	%17.1
Do you think these colors improve the mood of children in the hospital?		%53.9	%7,9	%38.2
Do you think this is? Colors improve mood For children in the hospital?		%56.6	%9.2	%34.2
Do you think this is? Colors improve mood For children in the hospital?		%49.3	%8	%42.7

designs in addition Various colors of clothing Children's Hospital aims to improve the mood of children .

It is clear from the previous table that there is an impact of innovative designs by adding various

colors from the point of view of the research sample (mothers of sick children in the Mahayil Asir region)

Results, Discussion, Recommendations and Proposals

Research Results

The current research reached the following results:

It became clear through research that it is possible to have an impact Decorations , drawings, patterns, and color improve the mood of children in the hospital and make them less afraid and anxious in hospitals.

The effect of innovative designs of children's clothing in the hospital by adding decorations and drawings on the child's mood from the point of view of the research sample (mothers of sick children in the Mahayil Asir region).

The effect of innovative designs for children's clothing in the hospital by adding models on the child's mood from the point of view of the research sample (mothers of sick children in the Mahayil Asir region).

The effect of innovative designs of children's clothing in the hospital, adding various colors, on the child's mood from the point of view of the research sample (mothers of sick children in the Mahayil Asir region).

It became clear through this research that mothers admire innovative designs

Recommendation

In light of the results reached, the researchers recommend the following:

Emphasis on taking advantage of the designs presented because they have a significant impact on the child's mood

Adopting the principle of paying attention to what the child wears in the hospital and using all possible methods to improve the child's mood

Researchers recommend adding innovative designs to the clothes of sick children in the hospital.

Proposals

Make more innovative designs in line with the place and time

Creating innovative designs for hospital clothes for cancer patients to raise their morale

Creating innovative designs for hospital clothing for people with special needs to increase their self-confidence

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