Discussion on the Value of Eagle Man's Whole Body Health Scanner in the Management and Screening of Sub-health

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Abstract: Objective: To study and explore the diagnostic value of Eagle Man's whole body health scanner for sub-health management screening. METHODS: 320 patients in the Health Management Center of Chenzhou First People's Hospital from January 2018 to November 2018 were selected as the study subjects. They were grouped according to age. The health management status of the patients was assessed by Eagle Performing Whole Body Health Scanning System. The results show that different age groups, different living habits and medication conditions will affect the functional status of various systems and organs of the body. The sub-healthy high-risk population is more likely to develop to the disease status trend, and attention should be paid to the prevention and screening of the disease. Finally, conclusion: Nine major systems are tested and analyzed by Eagle Performing Whole Body Health Scanning System, and the sub-health check-up status of human body is evaluated, and a more comprehensive, detailed and scientific test report and guidance are put forward. This electronic document is a “live” template. The various components of your paper [title, text, heads, etc.] are already defined on the style sheet, as illustrated by the portions given in this document. (Abstract)

Keywords: Eagle performance; Sub-health; Application value; Health management center

1. Introduction

Eagle Performance Whole Body Health Scanning System (hereinafter referred to as "Eagle Performance"), as shown in Figure 1. It was first used in the field of Aeronautics and astronautics. It is an original high-tech achievement of military medicine in France. It has been used in civil medical examination since 2004. The system can carry out omni-directional and multi-angle stereotactic scanning of human body in only 5 minutes. It can accurately evaluate the biological activity and functional status of various tissues and organs, predict potential risk factors and disease development direction, and provide early warning for disease risk. Eagle performance comprehensively evaluates human health from the perspective of functionalism, which makes up for the deficiency of modern medical research only from the structural aspect [1-2].

Figure 1. Eagle scanning system

Eagle Health Screening System can make clinical analysis of eight major human systems (respiratory system, digestive system, immune system, urinary system, skeletal system, cardiovascular system, endocrine system and nervous system), especially calculate the active system of adrenal medulla and cortex accurately, and provide the biological active state of tissues, organs and glands involved in RAAS system. Accurate parameter [3]. At the same time, the system provides real-time parameters of autonomic nervous activity. It accurately reflects the positive feedback relationship between RAAS system and autonomic nervous system. Through dynamic monitoring, more reasonable guidance can be provided to enable it to become an important reference tool for early detection of chronic disease risk factors and early secondary prevention. Following is a summary analysis of the application of Hawk Performing Whole Body Health Scanning System in assessing the health status of 320 patients in the Health Management Center of our hospital from January 2018 to November 2018.

2. Objects and Methods

2.1. Object selection

From January 2018 to November 2018, 320 health examinees aged 21-70 in our hospital's health management center, 260 males and 160 females,

including 100 cases aged 21-35, 120 cases aged 36-59 and 100 cases aged 60-70. Selection criteria: (1) no diarrhea, vomiting, fever and other symptoms; (2) no drinking or taking medicine within 12 hours before testing; (3) no intense exercise within 8 hours before testing; (4) no pacemaker, implantation of steel plate or foreign body in vivo; (5) no serious psychological trauma; (6) skin diseases or sweating at at the contact sites of electrodes (forehead, hand, foot sole) More cases; (7) non-pregnant women; (5) no limbs (including fingers, toes) disabled [4-5].

2.2. Method

The indoor environment remains quiet, with room temperature ranging from 15 to 25 degrees Celsius. Start the power switch of Eagle show equipment. After the examinee rests properly, remove the watch, necklace, glasses and other metal articles on his body. Enter the information (name, sex, date of birth, height, weight) of the examinee and confirm that it is correct. Two electrodes were placed on the forehead of the subjects, hands and feet were placed on the metal plates of the instrument respectively, and the relaxation state of smooth breathing was maintained for 4 to 5 minutes. After the scanning, the instrument automatically detects and analyses the data. At the end of the scanning, it issues a risk assessment report, communicates with the patients and informs them of the assessment results.

3. Results

3.1. The significance of scanning results of different colors of body systems and organs in health management

In the physical examination, we summarized several kinds of state warning: the color is gray white, indicating that the body system and organs are in normal state, and there is no obvious abnormality (see figure 2); the color is light blue or dark blue, indicating that the body system and organs are in a state of decline, metabolism is slowed down, function is reduced, and the body is in a subclinical state (see figure 3); the color is yellow or dark blue (see figure 3). Red indicates that the system and organs of the body are in a state of hyperactivity, metabolism is vigorous, function is increased, and the body is in an unbalanced state (see figure 4).

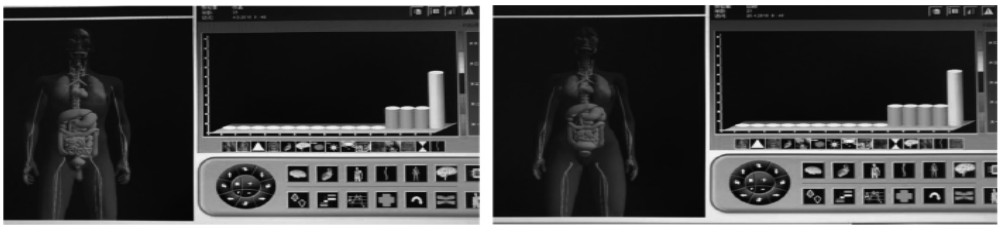

Figure 2. Eagle scanning results of 21-35 years old in different age groups

Figure 3. Eagle scanning results of 36-59 years old in different age groups

Figure 4. Eagle scanning results of 60-70 years old in different age groups

With the continuous development of modern medicine and the continuous progress of social living standards, people pay more and more attention to health management, and they are no longer unfamiliar with the project of health examination. Comparing with the routine physical examination methods, such as doctor's examination, laboratory test, image and so on, the modern high-tech physical examination method represented by Eagle Performance has gradually entered people's life. Especially for sub-healthy people, Eagle show is different from routine physical examination. Routine physical examination has no obvious effect on early prevention of diseases, nor can it satisfy people's need for early prevention of diseases. However, Eagle show has remarkable effect on early prevention and screening of diseases. Its advantage is that it can give early warning to degenerative diseases through dynamic detection, give early warning, intervene or treat diseases, and achieve the goal of early detection, early diagnosis and early treatment. This is also the current imaging examination can not be done.

4. Principle of Eagle Performance

Eagle health screening system adopts low voltage direct current stimulation induction technology. Through six electrodes symmetrically placed on forehead, hand and foot, low voltage direct current signals are continuously transmitted in 22 human body regions, which average 255 times every 3 seconds. The signals are converted into ion currents in human tissues. According to the polarization movement of ion currents in the cathode and anode, resistance, electrical conductivity through tissues are obtained. PH value, voltage and action potential through cell membrane activate the electrophysiological activity of interstitial cells in various organs of human body. According to the unidirectional connectivity of physiological feedback signal, chronoamperometric analysis method is used to collect the information of human function in digital form, and the data are reconstructed in 3D by digital model. In just a few minutes, the whole body's tissues and organs can be evaluated comprehensively. Its evaluation of organ "function" is not the result of organ "pathological" examination. Its value is also to understand the status and outcome of human organ function, to understand the pathogenesis, to understand the causes of sub-health and aging of human body, and to take preventive measures, to give intervention advice and suggestions from nutrition, traditional Chinese medicine meridians and other aspects, and to apply it to health information management in health management. Follow-up.

Eagle performance system is a high-level disease source search and diagnosis system, which is fundamentally different from other medical equipment.

The system gives accurate and comprehensive reports on the biological activity and functional status of human organs. General physical examination can only detect organic lesions that have occurred, but it can not help doctors understand the causes of the lesions.

Most of the biochemical indicators provided by the general physical examination show that there are no major diseases in the patients, but in fact the diseases are forming, and the organ functions of the patients are weakening or hyperactivity. The system can detect the lesion location, degree and the development direction of the next stage of the lesion in the early stage.

The reference values of neurotransmitters, hormone levels and body fluid acidity and alkalinity provided by this system can help doctors understand the physiological state of human body comprehensively, and have a key guiding value for early intervention of diseases.

The scanning system provides three-dimensional images of autonomic nervous system, reveals the function and activity of autonomic nervous system comprehensively and accurately, which is a major breakthrough in medical technology. This technology enables doctors to fully understand patients through the autonomic nervous system, so as to intervene and control the immunodeficiency caused by bad mood and bad mood.

The World Health Organization calls the state of organism without organic change, but some functional changes are called "the third state", and China calls it "sub-health state". People in sub-health state, although there is no clear disease, but there is a decline in mental vitality and adaptability. The features of Eagle's whole body health scanning system, such as the decline of functional status of various organs and the decrease of basal metabolic rate, are basically in line with the performance of sub-health state. Meanwhile, the compensatory increase of functional status of various organs, the high functional value of various hormones and the appearance of risk columns of degenerative diseases indicate that there is a risk of disease or that there is a disease, which belongs to the same category. the manifestation of sub-health. Age has become one of the main factors affecting the functional status of various organs of the body. With the increase of age, the functional status of various systems and organs of the body will gradually decline, the biological activity will be reduced, and the various functions of the body will gradually degenerate. But in addition to age factors, the behavior and lifestyle of the subjects, medication conditions will affect the functional status of the body's various systems and organs, which is particularly prominent in the middle-aged group. The middle-aged group has become the largest proportion of people in sub-health status and the high-risk group of sub-health because of their daily work stress, high pressure, less exercise, unreasonable diet structure and insufficient sleep. Many studies have shown that sub-health high-risk groups are more likely to develop towards the trend of disease, and long-term sub-health status is more likely to

evolve into disease, so health management in the fast-paced modern society is more prominent and important.

5. Conclusion

To sum up, as a leading technology applied in health management, Eagle Performing Whole Body Health Scanning System can detect and analyze the functional status of various systems and organs of human body, screen the early pathogenic risk factors of the body, objectively evaluate the health status of the body, and give corresponding health guidance. Early detection of diseases is of great significance to sub-healthy people. Therefore, Eagle show has improved and developed modern medicine to a certain extent, and it also has very important application value in health management.

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