

Ayurveda Head-Torso-Limbs whole body scanner with Artificial Intelligence innovative technology for homeostasis Data Collection of Ayurveda Fundamental Principles including human organs internal health anomalies

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Abstract; Ayurveda H.T.L. whole body Scanning system machine is a new kind of innovative tool, now is used in Ayurveda medical system for confirming the level of intensity presence of Ayurveda Fundamentals, mental and physical health anomalies and disease condition. The Ayurveda fundamentals Tridosha, Tridosho-bhed, sapta Dhatu, Tridosho affected Vata Sapta Dhatu, Pitta Sapta Dhatu, Kapha Sapta Dhatu, Mala, Agni [1,2,3,4,5,6,7,8,9,10,11,12,13] and body system stepwise evaluation of organs functioning physiology and pathology is accurate to diagnose the presence status in human body [8,9]. This new technique of Ayurveda has proved to be very effective for the treatment and management of all diseases, including curable, incurable, difficult, serious, extremely difficult, chronic and incurable diseases. In the last decade, a large number of patients have been successfully treated by this machine, who were declared incurable or whose disease was declared incurable and for which there was no cure anywhere. Apart from patients of HIV, Epilepsy, Leucoderma, Leucoplakia, Irritable bowel syndromes, Inflammatory condition of bowels, Cancer and tumour, Cardiac problems, Brain disorders, Respiratory disorders, Male Female reproductive disorders, Joints and rheumatic disorders, Skin disorders of all varieties, Kidney disorders, [14,15,16,17,18,19,20,21,22] Blood anomalies etc., the data obtained after testing and investigation has been successfully used in the treatment of other incurable diseases and the results of diagnosis and accurate assessment of the disease have been very encouraging. The use of this new technology discovered for Ayurveda medical science is expected to open new dimensions and windows for research on the eight parts of Ashtanga Ayurveda and for advanced level clinical studies in the future. This self-funded bio-medical engineering and technological project is being continuously used and practiced at our research center from several years. [23,24,25,26,27,28,29,30,31,32,33,34,35]

Keywords; Ayurveda H.T.L. whole body scanner, Ayurveda Scanner, Ayurveda scanning susyem, whole body scanning system of Ayurveda.

1. INTRODUCTION

Ayurveda H.T.L. Whole body Scanner is designed to diagnose the Ayurveda Principles and existing diseases occurring in the human body and to measure the level of illness of the body parts as per rules and directives of Ayurveda. In Ayurveda, only Nadi Pariksha [7,13] or the structure of the human body and its color, complexion, skin tone, body movements, mental and physical trend, hair and mental and physical agility [3,6,8,9] are used to determine the disease and ailment as per the instructions given in Panch Vidhi Nidan, Sapta Vidhi Nidan and Dash Vidhi Nidan. Apart from this, the Doshas are diagnosed by Nadi Pariksha. By examining the stool and urine, skin colour and external examination of the eyes, the disease is established. The identification of the diseases of Tridosha, Tridosho-Bhed, Sapta Dhatu, Agni, Mal of the body is possible by the above mentioned methods, it depends on the diagnosis and ability of the Ayurveda doctor doing the treatment and diagnosis. With the help of Ayurveda H.T.L. Whole Body Scanner technology, all the important principles of Ayurveda are measured and measured and the identification status of diseases of the body becomes clear. In Homoeopathy Medical system problems of human body is examined by asking the questions and information collection according to Para 4 to 6 instructions. [28,29] The questioning similarity is equally used in all medical system.

1.1 Basis of Ayurveda

It has been told in the classical books of Ayurveda that the foundation of Ayurveda is based on Sankhya Philosophy. In Sankhya Philosophy there are five Mahabhuta, five Tanmatras, five Indriya and five Karmendriyas, apart from this there

are four more vital points, which are Man, Chitta, Budhdhi, Ahankaar, and one in addition Atma [soul]. The epicenter of all above 25 number Matters are existing in Prakruti and Purush as per consideration of philosophical background. [1]

1.2 Basic ground of Tridosha

The Basic principle of Ayurveda Vaat, Pitta and Kapha are called Tridosha, Which has been established on the ground of the five great elements mentioned in Sankhya philosophy as Panch Mahabnut, namely, air, water, fire, sky and earth. Vata Dosha is believed to be formed from the combination of air and sky. Pitta Dosha is believed to be originated from the Fire with Heat and Kapha Dosha is believed to be formed from water and earth. [2,3,4,5,6,7,8,9,10,11,12]

1.3 Existence of Tridosha in Human Body

In order to find the three elements in the human body, the human body has been divided in three parts and after analyzing all the 25 elements as per Sankhya Darshan and adopting logical visionaries and after analyzing and synthesizing them, the three elements have been established in the human body and it has been assumed that their place is from where to where? The parts of the three elements have been shown in the picture below. Vata, Pitta and Kapha, these three Doshas together form a combination of seven doshas. In modern terms Tridosho is considered as an aetiologikal factor of the illness. [2,3,4,5,6,7,8,9,10,11,12]

1.3 Tridosho-Bhed corresponding parts in Human Body

All three Doshas have been considered to have five sects, which together number 15.

There are ;

five types of vata doshas;

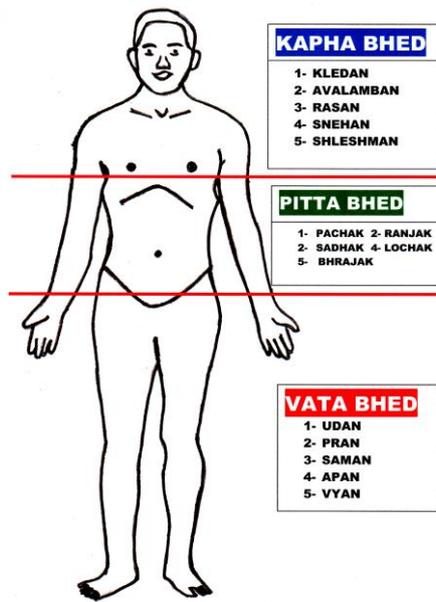
1- Udan 2- Pran 3- Saman 4- Apan 5- Vyan

Five types of pitta dosha;

1- Pachake 2- Ranjak 3- Sadhak 4- Lochak 5- Bhrajak

Five types of Kapha doshas

1- Kledan 2- Avalamban 3- Rasan 4- Snehan 5- Shleshman



AYURVEDA PRINCIPLE'S EACH DOSHAS IN FIVE DIVISIONS

Fig-1 ; Five kinds of Tridosho-Bhed

1.4 Tridosho-Bhed cover organs

Tridosho Bhed covers the vital organs of body as shown in below chart.

In classical books of Ayurveda it is mentioned, which organ is dominated by which tridosha bhed. [2,3,4,5,6,7,8,9,10,11,12]

2. METHODOLOGY ; Requirement for fulfillment of objective completion

Before this technology of Ayurveda, three technologies has been already come into existence. [23,24,25,26,27,28]But the need is felt to make these technologies more dynamic and more advance level in compare to previous machines. Therefore Ayurveda H.T.L. Whole body Scanner has given an innovative form to add many new Ayurveda principle's features. New ideas have been added in this new fabricated machine. To fulfill this objective , a new machine has been built, keeping in mind to fulfill the innovative idea..

2.1 Making of Scanner

All the manufacturing activities and construction related requirements and needs, this self-funded project has been completed in self-established workshop, where every facilities related to construction is available for Hardware making and Software development. Appropriate Programming and coding languages C, C++, java, Python has been used as per requirement in view of Artificial Intelligence needs and support. Keeping in mind the past experiences of previous manufactured prototype machine's Hardware and Software requirement, this new machine has been designed for more easy operation, convenient use in clinic / Hospital and simple recording procedure and Data storage facilities for obtaining print report.

Fig-4 ; Front View of the Ayurveda H.T.L. Whole Body Scanner Machine Showing Double Screen Output socket and control buttons with indicators led. Fig-5; Right side of machine view showing 22 cable placement sockets From machine to human body

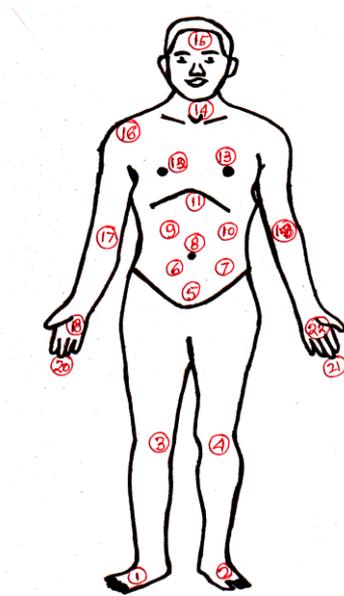
2.2 Recording process of Scanner

Scanner is fabricated in user's friendly manner. Recording process is very simple. Switch "on" of the machine. Before starting machine, sensors should be placed in body part as per instructions. Patient is lying on back and sensors are placed as directed. Specially prepared Gel is applied on body location part and in sensor plate to couple skin-sensor gap preventing air for best signal transmission to machine. Automatic site selection of machine will record all location and will do all calculations itself and prepares report which stored in memory device. This report can be seen in Computer or can be print by printer.

Below is shown, machine is recording patient data. Cable connected to body is showing Right side



Fig-2 ; Machine Recording in progress, information's can be seen on Screen



Sensor Placement select site of body

Fig-3 ; Red color mark 22 Selected points where electrode sensor are to be fitted

2.3 Site selection for electrode placement

Sensor placement on selected body parts are based on the description and details of existence of Tridosh-Bheda mentioned in classical books of Ayurveda. [2,3,4,5,6,7,8,9,10,11,12,13,14]



Fig-4 ; Torso region of Body,where sensor electrodes has placed.

3. Electrical Behavior of Human Body

To understand the working of this scanner machine, it is necessary to understand the electrical activities carried out by the body. The main points are given below.[22,23,24,31,32,33,34,35]

- 1- The human body is made up of innumerable cells and each cell, like a battery cell, automatically produces electricity at the very minute micro level. The work of all cells is exactly like the way atoms of a substance work.
- 2- As soon as the nucleus of the male sperm fuses with the nucleus of the egg in the womb of the mother, this electrical energy starts the work of formation of the embryo in the womb.
- 3- To bring life in the embryo, the formation of the heart begins first and with this the initial formations of other organs start.

4- During the estimated 9-month gestation period of the fetus, the heart continues to develop and the blood of the mother's body continues to flow into the fetus' body through the umbilical card without any obstruction. The process of blood circulation inside the fetus is accomplished by the heart of the fetus.

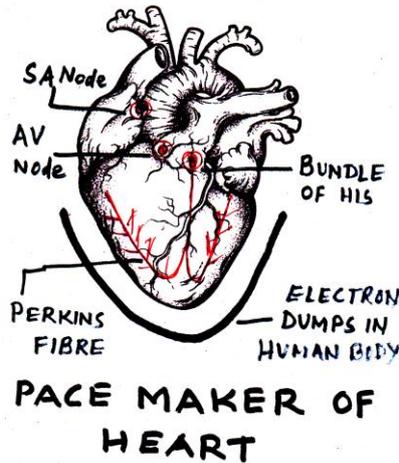


Fig- 5 ; Electrical current flow start from Negative point SA Node towards

Positive point Perkins's Fibers, end at last electrical atoms dumps in body

5- The Auricular Ventricular Node of the heart naturally generates electrical waves and this wave spreads to the Sino Auricular Node, after which this wave travels to the Bundle of His and then to the other part of the heart, the Parkins fibre. In this entire process, the heart completes one beat of expansion and contraction in one second.

6- It is believed that when the heart current passes through Parkinson's fiber, the electrical molecules are dumped into the body. The scientific fact is that the flow of electrical current goes from the negative pole to the positive pole. This phase and ground together complete the circuit.

7- Studies show that the behavior of the human body is like an electronic component capacitor whose function is to automatically charge with electricity and store electricity inside itself and discharge the electricity. The human body is like a battery in which electricity is continuously generated and this electricity keeps getting charged and discharged.

3.1 Emission and discharges of electrical signals from body organs

Many methods have been developed, including the electrocardiogram and electro encephalogram and electro muscle gram,[30,31,32,33,34,35] which test the heart and brain and muscles to find out what type of anomalies is taking place in the organs. This confirms that the human body's organs emitted and discharges electrical signals as per its health. The signals emitted by the organs are collected by the machines and by studying these signals, the healthy condition of the organs can be known. Electro-Tridosho Graphy AyurvedaScan system [23,24,25] has been developed on the root basis of the emission of signals from body organs. The electrical impulses generating property of human body confirms this phenomenon and Ayurveda latest technology is made on this principles, where STEAM qualities has been used in making of Ayurveda H.T.L. whole body scanner.

4. RESULTS ; Printed Report shows Internal Organs health

When machine recording is finished and Screen-message informs the completion of examination that means the final results are recorded in the recording memory device and can be printed immediately by printer. Below is specimen of the 7 {seven} pages report in printed form. Report provides essential data of Ayurveda fundamentals and organic disease anomalies with patho-physiological and Pathological values to facilitate homeostatically integration.

KANAK POLYTHERAPY CLINIC & RESEARCH CENTER
KANPUR MOBILE;8604629190 Page-1

ID;0.00 / 7846

Patient Name; SAROJ

Time & Date; 12:56 18-07-2024

AYURVEDA WHOLE-BODY SCANNER EXAMINATION REPORT

Version : WBS_15_AB

TRIDOSH : HUMORS : TEMPERAMENTS

2886.89 VATA
1531.33 PITTA
3236.00 KAPHA
2209.11 VATA-PITTA
3061.44 VATA-KAPHA
2383.67 PITTA-KAPHA
2551.41 VATA-PITTA-KAPHA

FIVE VATA DOSHA BHED : PATHOPHYSIOLOGY

642.11 PRAN
652.22 APAN
652.00 UDAN
658.89 SAMAN
642.11 VYAN

FIVE PITTA DOSHA BHED : PATHOPHYSIOLOGY

657.00 SADHAK
207.00 PACHAK
649.44 RANJAK
638.89 LOCHAK
720.22 BHRAJAK

FIVE KAPHA DOSHA BHED : PATHOPHYSIOLOGY

627.33 SHLESHMAN
613.67 RASAN
642.33 KLEDAN
635.00 SNEHAN
627.33 AVLMBAN

Fig- 6 ; Printed Report Page-1

1885.71 MALE GENITAL ORGANS GENERAL F
1657.60 PREPUSE
1634.80 SEMEN STRENGTH
1606.20 SCROTUM
2305.80 MUSCLES
2256.60 CIRCULATION
1849.60 PENIS
1665.80 EJACULATION
1977.40 SEMINAL VESICLES
2017.60 TESTES

(WARNING; Data not applicable,if organ absent / operated)

TEST COMPLETED

REPORT
MALE

Fig-7 ; Report, page- 7 [for Male]

3010.16	FEMALE GENITAL ORGANS	Page-7
2474.57	OVARIAN	
2554.43	OVARIAN CIRCULATION	
2714.43	UTERUS	
3690.43	UTERUS CIRCULATION	
2312.43	ENDOMETRIUM	
3680.14	MENSTRUATION	
891.00	MAMMARY GLANDS	
3725.00	MAMMARY MUSCLES	
2973.71	MAMMARY CIRCULATION	
2356.29	VAGINAL	

(WARNING; Data not applicable,if organ absent / operated)

TEST COMPLETED

REPORT

ID:0.00

FEMALE

Fig-7 ; Report, page- 7 [for Female]

Above report contains Ayurveda Principles, Tridosha, Tridosho Bhed, Sapta Dhatus, Mala, Agni and Human Body system wise Organ's physiological, patho-physiological and pathological evaluation and their health condition. Full report covers the homeostatic approach in view of holistic integrated treatment and management.

4.1 NORMAL SET PARAMETERS

The Normal parameters are set in between <550.01 to 450.01>, that means if parameters goes higher above the <550.01, it should be considered higher than normal and when >450.01 below , that means lower than normal.

5. CONCLUSION

In this research paper as much as possible information has been given because this technology is not patented. Therefore selected information has shared. This new innovative technology machine automatically selects the site of body and records signals from the spot and self analyzes and synthesizes every calculation according to artificial intelligence provided through programming and coding to machine software. Large number of human body of all ages and sex have been examined at our research center and results are verified and counter verified by other machines and available sources ,which are used for the similar purposes. It is concluded that homeostatic report results are satisfactory, useful, reliable and helpful to Ayurveda practitioners in all kinds of related diagnosis, which helps in treatment and management.

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BIOGRAPHY



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