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Blood Circulatory Massager Positive Machine

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Abstract: ***In this paper, we have overviewed the Blood Circulation Massager Positive Machine which supports a Body of Maximum "110 kg" using the fundamental principles of "Traditional Indian Medicine" effectively. Accordingly, we Identified key constituent parts of the Human Body that performs different functions as per to reduce Stress and consecutive Strain in the Body and Mind. These key constituent parts co-ordinate each function of Body to form an Integrated and Sustainable Unit. It ensures that the whole body achieves the Dynamic Equilibrium of "Flow of Blood" that is highly essential for a Healthy Body & Healthy Mind. Also this will improve the Diet requirement of the body.***
KEYWORDS: -- Massager, Reflex Points, Circulation, Massage Points, Acupuncture, Stimuli & Stimulating, Vibrations

I. INTRODUCTON

Blood Circulatory Massager Positive Machine works on human body in three different ways. In vibration it promotes blood circulation and also stimulates the Car Point on the feet, hands and built up pressure on it. (Called reflexively) and ability to massage which provides flexibility on our muscles. This Blood Circulation Massager Positive Machine improves one's health, well-being and detox with this Luxury Blood Massager. This blood circulation massager uses high frequency vibration (7200 RPM) to massage the reflex points beneath the feet and palms (reflexology), promoting blood circulation in entire body. This in turn increases metabolism, immunity and organ function for good health and fitness. It works through the blood, bones, muscles and nerves to affect all the body organs.
Our Massager Integrates following Techniques: --

Acupuncture
Key Stimuli Points
Blood Circulation
Palm & Feet Reflex Points
Palm & feet Massage Points

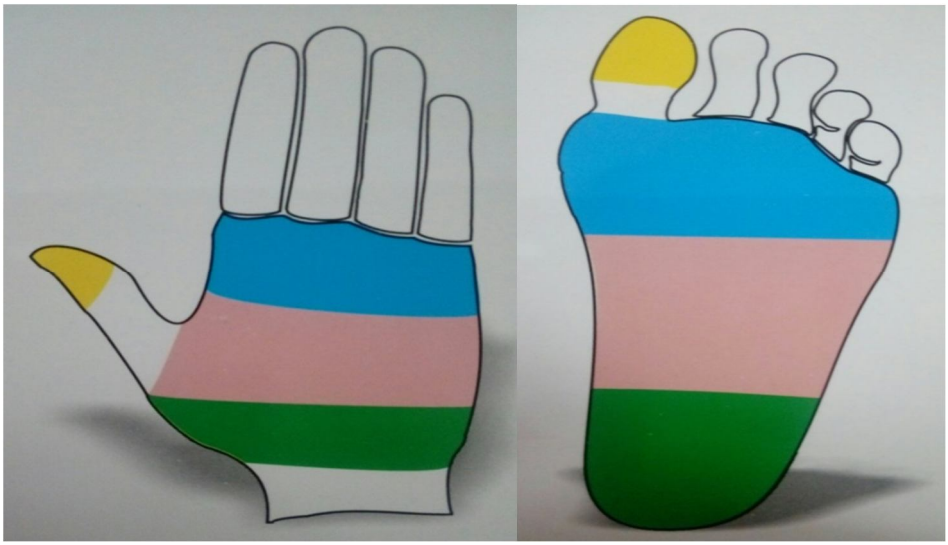

Fig. 1 Reflex points in hand & leg palm

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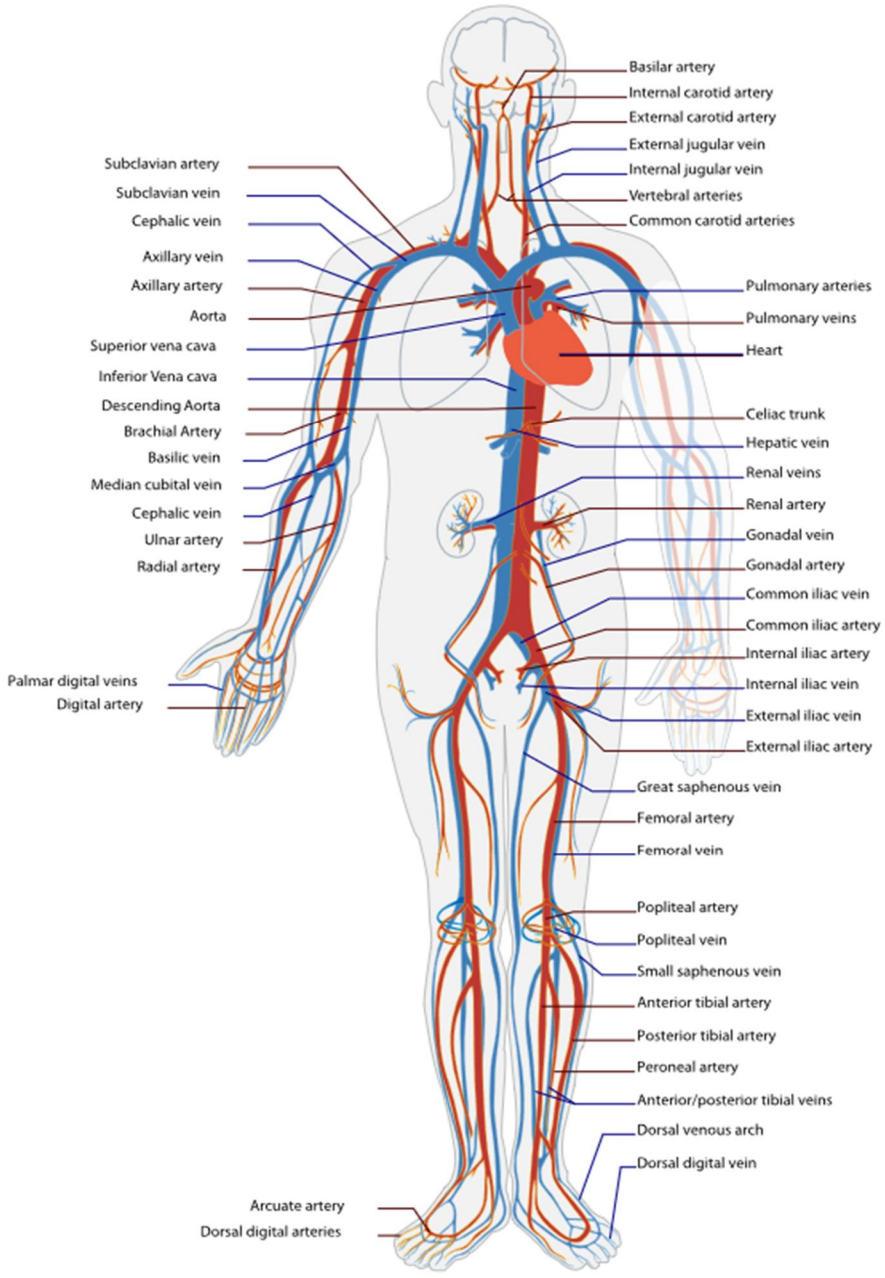

Fig. 2 Blood Circulation Field

Our massager uses adequate Vibrations & Massage level to create a Warming & Stimulating effect from toe to head. It ensures the adequate motion of Blood throughout the body for Efficient Functioning of all body Internal Organs. It's an Essential & Dynamic Home Product today needed for all Professionals & each one of us.

States of Mind that can be made effective & governed by the BCM:--

Circulation & Breathing Mechanism

Digestion Mechanism

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Reproduction & Urination Mechanism

II. BACKGROUND

One of the major health issues in the 21st century is stress and its related problems. People work for long hours & have less time for caring themselves. These results in fatal consequences and people reluctantly had to move towards hospitals and doctors. We just tried to move this discrepancy using traditional Indian methods incubating modern scientific techniques into it.

III. OBJECTIVE

A. To reduce mental stress in professionals
B. To reduce capillary tension in body
C. To maintain proper blood flow rate in body
D. To remove blockages in the body
E. To increase the efficiency of working of internal body organs
F. To make easy home product suitable for gradual use

The vibrations at such a high speed remove the blockages in the arteries & veins & keep them clean. It improves the blood circulation in body & ensures the adequate supply of blood to all other organs in body & also ensures their efficient working. It leads the body to disease free arena and calms the mind & heart. It reduces the stress to a great extent. It also checks the supply of useful elements (carbohydrates, proteins, minerals, fats, etc.) to required target site. It also increases White Blood Cells count in the body that helps to fight the body against diseases

IV. FIELD & TECHNICAL SPECIFICATIONS

This invention belongs to **Bio-Technology field**. Health care is a major issue in today's era, keeping in mind the same we designed & manufactured the "**Blood Circulatory Massager Machine**". It readily helps the body to reduce all day stress and gives high degree of relaxation.

A. Model: -- S-780
B. Dimension: -- 44*41*29 cm
C. Weight: -- 15 kg
D. Power: -- 220 – 240 Volts, 50 Hertz
E. Rated Input Power: -- 180 Watt
F. Using Time: -- 15 Min
G. Maximum Load: -- 110 kg

V. SUMMARY

In this project, we have designed and manufactured the Blood Circulation Massager Machine which supports a Body of Maximum "**110 kg**" using the fundamental principles of "**Traditional Indian Medicine**".

Accordingly, we Identified Key Constituent parts of the Human Body that performs different functions as per to reduce Stress and consecutive Strain in the Body and Mind. These key constituent parts co-ordinate each function of Body to form an Integrated and Sustainable Unit.

It ensures that the whole body achieves the Dynamic Equilibrium of "Flow of Blood" that is highly essential for a Healthy Body & Healthy Mind. Also this will improve the Diet requirement of the body.

Our Massager uses adequate Vibrations & Massage level to create a Warming & Stimulating effect from toe to head. It ensures the adequate motion of Blood throughout the body for Efficient Functioning of all body Internal Organs. It's an Essential & Dynamic Home Product today needed for all Professionals & each one of us. It has a Dynamic design which creates **Vortex like flow of energy** through the key massage points, ensuring the maximum benefit to body. It can efficiently replace the need of regular exercising.

It can be used readily to invade Pressure, Distress, Discomfort, Tiredness, Stress, Fatigue, Aching Muscles, Physical Strain, Cold Feet & Hand etc.

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Also we used the Motor which has an **RPM (Rotation Per Minute) of 7200**. It readily coincides with Heart Beats of Human Beings. Being capable of matching Heart Beats, it removes the blockages efficiently and ensures the excellent blood flow rate in human body.

We used timer in this massager to control the timing of adequate and healthy massage. A timer is a specialized type of clock for measuring time intervals. a device which counts down from a specified time interval is more usually called a timer or a countdown timer.

An electrical input is given to machine through direct from switch board. As the motor starts, it gives the sensation of circular spiral motion from toe to head, it effectively removes the blockages in blood circulation.

Also a timer is used in this to regulate the time period of massage so it can be effective. It varies from person to person. Generally, our machine is based on time interval of 5 min to 15 min for efficient & healthy body.

VI. ADVANTAGES

Using this technology one can get the following benefits:

A. Increases the physical energy
B. Improves the blood circulation
C. Makes all reflex points effective
D. Removes toxic elements out of the body
E. Makes feel better, Improves bone joints
F. Easy to use, Relaxes the muscles
G. Economic & effective

"15 minutes of use of our Blood Circulatory Massager Machine is equivalent to the benefit of 5 miles of running"

VII. APPLICATION

For Professionals**,** Housewives**,** Pet animals**,** All patients (on doctor's consultation only)**,** Heart patients (on doctors consultation

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only)

VIII. IMPORTANT POINT

A. Not recommended for person taking any specific drug medicine
B. Women in pregnancy, during menstruation
C. People using internal or external powered pumps
D. People diagnosed with any serious or major illness
E. People on dialysis, fever
F. People suffering with Tuberculosis, Tumor, Brain Haemoerrage

IX. CONCLUSION

The recent advances in the medical field are dramatic. With the increase in comfort with developed technology, the is also increase in the various diseases & complexity medical field. The numerous applications BCM have put to, no wonder tells us that these hold a real good promise for the future. Current sensor development is tending toward increased complexity in sensor systems. Networking of large sensor systems can provide improved spatial and temporal sampling in low-cost, low-maintenance systems. Sensor research and development lends itself to dual use and commercialization efforts of BCM.

X. RESULTS

It has been keenly observed that health is a major issue in today's era. Our BCM provides a best alternative to all these problems. It improves the blood circulation in the body & enhances the reflex actions in the body & ensures the proper blood flow at all target sites in the body. Maintains the peace & state of mind & leads one to uniformity.

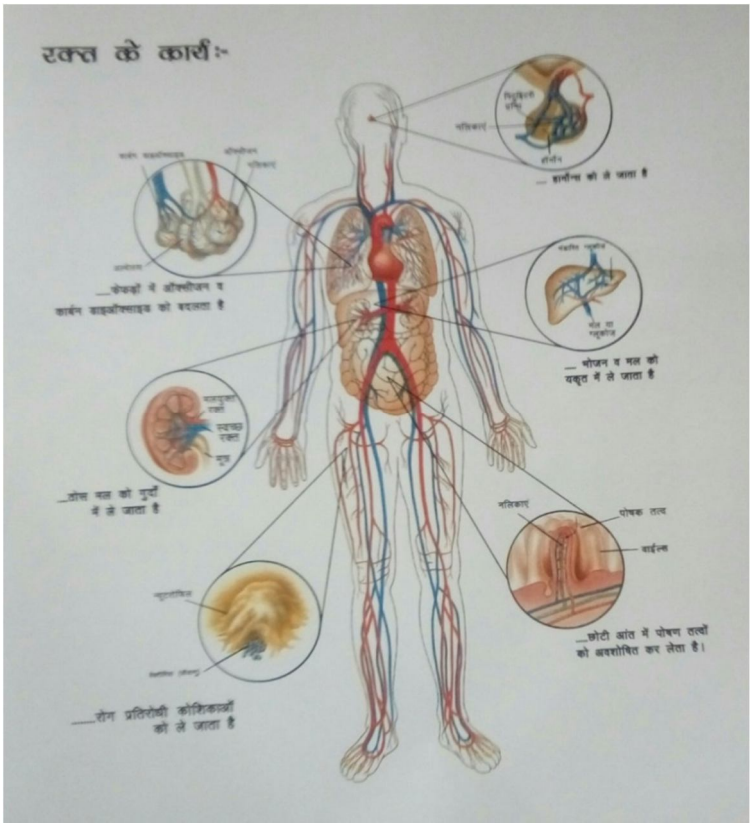

Fig. 3 Blood Circulation Mechanism

XI. ACKNOWLEDGEMENT

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Uttar Pradesh" for inspiring and encouraging us to explore ourselves. The Institute is a beehive of intellectual and innovative activities. Under the effective guidance of our Director Sir, we have completed the final draft on Blood Circulatory Massager Positive Machine. Our Institute has always focused on providing us a framework for better future for mankind. Also in shaping us to become effective, skilled professionals in coming future. We are very thankful to the Institute's Management & our Director Sir for his kindness, constant encouragement, influential leadership & for the valuable time which he devoted to us. Also, thanks to our family & friends who directly & indirectly helped, supported & motivated us along the due course of completion of this review paper.

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XIII. AUTHORS PROFILE

A. Mr. Vishwajeet Singh is persuing the B.Tech in Mechanical Engineering from Rajarshi Rananjay Sinh Institute of Management & Technology, Amethi. Currently, He is a student of Third Year (B. Tech). He has published 5 International papers till date with different Journals. He has also received an award for academic excellence by INDUS Foundation in International Indo-American Summit September, 2016 in New Delhi.

B. Mr. Anand Kumar Pandey received the degree of B.Tech in Electronics & Communication Engineering in 2013 from Dr. APJ Abdul Kalam Technical, University, Lucknow, Uttar Pradesh. He received an award from Former Chief Minister, Uttar Pradesh , Mr. Akhilesh Yadav, for his project entitled, "GREEN ENERGY GENERATION FROM SPEED BREAKER". He made his first project on "Driverless Metro rail that was presented in Techno-festival, Council of Science & Technology, Lucknow, Uttar Pradesh that was appreciated & honored by Council of Science and Technology, Lucknow, Uttar Pradesh and awarded to me on the occasion of former president APJ Abdul Kalam Sir's Birthday. During my academic session I have participated in many robotics competition and achieved many prizes. He was also awarded 1st prize in one of the robo competition by Dr. Shri. SANJAY SINGH, Member of Parliament, Govt. of India in 2010. He is now designated as Director of Technovision Education Center, Lucknow, Uttar Pradesh, India, which imparts Industrial & Summer Training in Engineering Aspirants.

C. Ms. Pragya Tiwari is persuing the B.Tech in Electronics & Communication Engineering from Rajarshi Rananjay Sinh Institute of Management & Technology, Amethi. Currently, she is a student of Third Year. She has published 4 International papers till date with different Journals. She has also received an award for academic excellence by INDUS Foundation in International Indo-American Summit – 2016 in New Delhi.

D. Mr. Vijay Abrol has received a degree of M. Sc. In Disater Management. Also he received a degree of BE in Computer Science & Engineering in 2005. Also he did PGDMC (Post Graduate Diploma In Mass Communication) Currently, he is designated as a managing director in Technovision Education Center, Lucknow, Uttar Pradesh.

E. Mr. Durvijay Pal is a known innovator. Currently, he is associated with a firm as an employee. He has received a degree of MBA (Marketing) with an experience of 5 years from Sikkim Manipal University in 2012. Also received degree of M. Sc.

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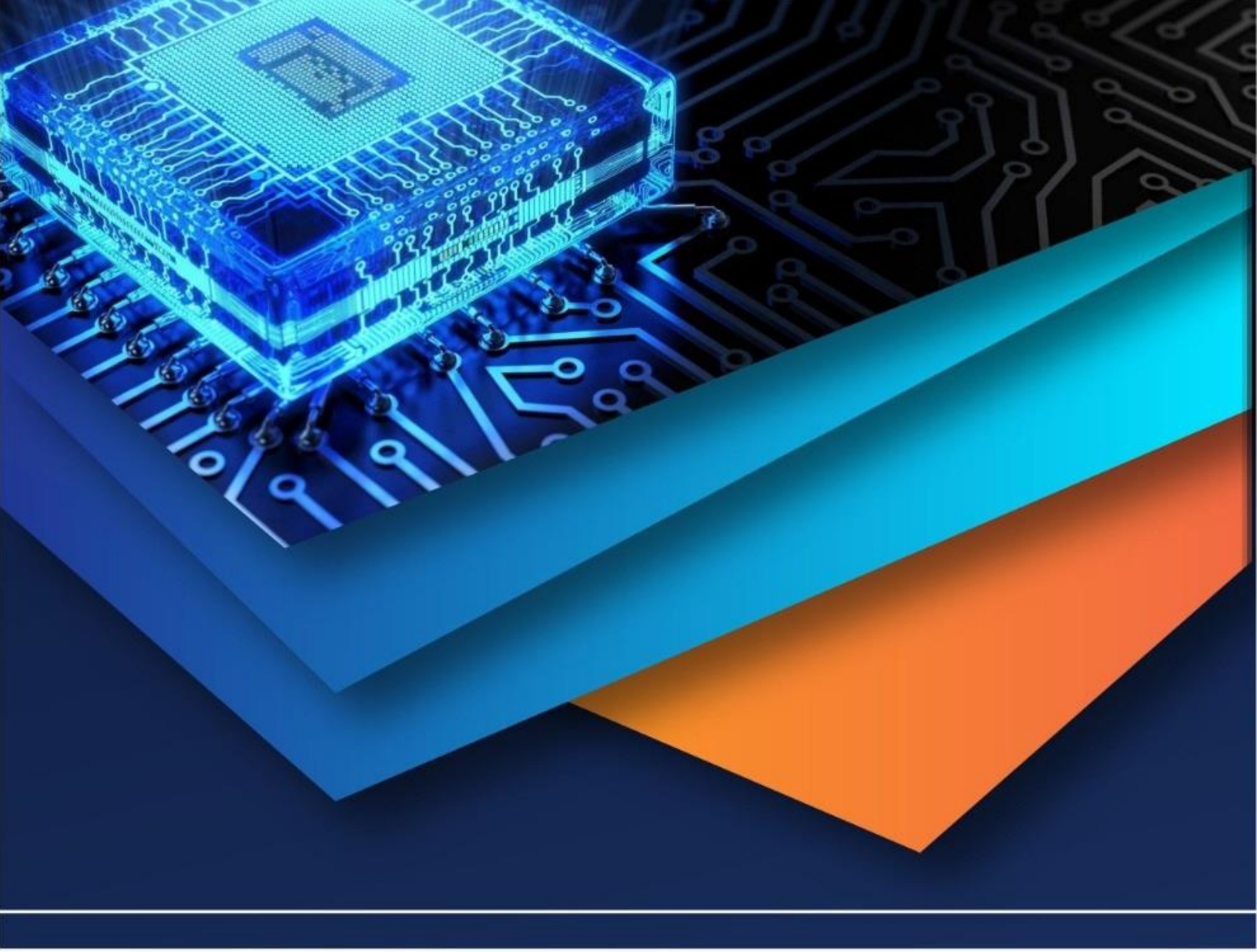

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