

whitecoat *newsletter*



GRACE KENNETT FOUNDATION

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PRESIDENT	VICE PRESIDENT	SECRETARY	TREASURER	MEDICAL SUPERINTENDENT
Mr I Anandakumar	Dr S Bevinson Perinbaraj	Dr Janet Sankar	Mr Richard B Rajan	Dr (Capt.) Augustus Samuel Dodd

Dear Friends,

It is a great honour and privilege to be presenting the July issue of Whitecoat.

We have completed another wonderful year in terms of achieving the lofty objectives of our organization.

Our Home For Every Child mission has been very successful. The hospital has performed well enough to support our mission.

This year we are poised to reach another great milestone. The Skin Bank we have been dreaming of is becoming a reality. This shall be one of the very few and unique services available in the country. In India, there are about 7 million burn injuries and about half of them die for want of adequate healthcare. Our facility will cater to a population of about 100 million. We are also starting a skill development course in Burns and Skin Banking. This course under the BSS, shall develop the vital human resources needed for the successful implementation of the programme.

We have started the process of NABH accreditation. The implementation, with the internal and external audits of the systems in place, will further

strengthen the safety aspects of patient care.

With proper hazardous materials management systems and excellent green cover, we are amongst the best of the organizations contributing to environmental protection and safety.

Our Eatery produces a great range of safe and sumptuous diets which is one of our real strengths.

Phymsofit fills the need for a holistic approach in health care by providing fitness for all.

Vogue is our fashion designer. This year we are planning to focus on producing clothes for children. We now have an outlet in Castle for the sale of our designer wear.

The Castle and Arena function as a training facility and a community service centre.

Our competent, compassionate and committed team keeps our child care, health care and women's empowerment programmes growing in the path of excellence.

You have been a part of this amazing journey. Thank you.

- Dr A S Dodd





SKIN BANKING

Skin banking is a facility where the skin is collected from an eligible deceased donor and processed as per international protocols. Skin can be stored in the skin bank at 4-8° Celsius up to 5 years. The stored skin can

be used for burns patients who have deep burns. Statistics have shown that 80% of burns victims are women and children. There are only about 12 established functional skin banks in India. The population of India is 1340 million. 7 million cases of burns are reported annually and many die because of lack of efficient care.

Loss of skin can lead to loss of life. Skin cover provided in the first three weeks of injury can reduce the number of burns victims dying by almost 50%.

The proposed skin bank in our hospital shall cater to a population of about 100 million. Our primary objectives are -

- To become a nodal centre of excellence and establish a network with other burns units, burns centres and skin banks across the country with specific focus on Madurai and the adjoining districts.
- To carry out mass awareness campaigns to popularize the concept of skin banking.
- To promote research in developing indigenous cost-effective methods to reduce the morbidity and the mortality in burns victims.

- Ms R Valentina Rani



ARTIFICIAL INTELLIGENCE

The term AI was coined in 1956 by John McCarthy, an American computer scientist. AI is the stimulation of human intelligence processes by computer system.

In Artificial Intelligence (AI), there are three concepts -

1. Machine learning
2. Deep learning and
3. Neural networks

These enable hardware and software robots to "think" and act dynamically, outside the confines of code. Understanding these basics can lead to more advanced AI topics, including artificial general intelligence, super-intelligence and AI, and also ethics in AI.

Artificial intelligence's progress is staggering. Efforts to advance AI concepts over the past 20 years

have resulted in some truly amazing innovations. Big data, medical research, and autonomous vehicles are just some of the incredible applications emerging from AI development.



The primary aim of healthcare related AI application is to analyze prevention or treatment techniques and patient outcomes. Among others, AI programmes have been developed and applied to practices such as Virtual Health Assistants (VHA), diagnosis processes, treatment protocol development, drug development, personalized medicine and patient monitoring and care.

- Ms S Hemalatha



Mathematics Teacher :

A man from Los Angeles drove towards New York at 250 miles per hour and a man from New York drove towards Los Angeles at 150 miles per hour. Where did they meet?



Johnny :
In jail!

PHOTO GALLERY

