C H R O N I C L E

A BRIEF REPORT ON WORKSHOP ON ULTRASOUND THERAPY AND ULTRASONIC POWER MEASUREMENT

A one day Workshop and Exhibition on Ultrasound Therapy and Ultrasonic Power Measurement was organised on 14th Feb. 1983 by Ultrasonic Society of India (USI) in collaboration with National Physical Laboratory, New Delhi and Delhi Productivity Council at National Physical Laboratory, New Delhi-110012. The purpose of the Workshop was to discuss the significance of calibration procedures of ultrasonic power output and frequency for therapeutic applications by bringing together the medical doctors, physicists, and engineers on a common forum. The subjects covered in the workshop included various aspects of ultrasonic therapy, calibration procedures for characterizing output of therapeutic devices and the most important of all were the future recommendations.

The Workshop was inaugurated by Dr. A. R. VERMA, Jawaharlal Nehru Fellow and Patron of the Ultrasonic Society of India. Dr. C. R. HILL, Head of the Dept. of Medical Physics, Institute of Cancer Research, U. K. and Dr. K. BRENDEL, Head of Ultrasonics, PTB, West Germany, delivered invited talks on the subject. More than fifty scientists including the foreigners attended the Workshop.

In total eight papers were presented in two sessions. The forenoon session was devoted to the therapeutic effect of the ultrasound and the afternoon one to the measurements of parameters relevant to ultrasonic therapy. The presentation of the papers was followed by panel discussion on *The significance of calibration of ultrasonic power output for therapeutic equipment.*

The important recommendations of the panel were as follows:

1. Teaching courses should be held for the training of the doctors in the calibration procedures for therapeutic equipment with a special emphasis on significance of this practice.

2. Portable and rugged ultrasonic power meter should be developed for calibration output of therapy units for use in hospital.

3. Detailed studies on the bioeffects of therapeutic ultrasound should be carried out in order to make treatment by ultrasonic therapy more effective.

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