

CONTINUOUS MONITORING OF FEET TEMPERATURE USING A DATA LOGGER WITH WIRELESS COMMUNICATION

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Abstract:

The aim of the present study was to verify a system for continuous monitoring of feet temperature. The temperature measurement system developed in cooperation of the Center for Biomedical Technology (Krems, Austria) and Digilog Inc. (Perg, Austria) company was used for monitoring of the skin temperature on foot. The temperature monitoring devices are wirelessly controlled and they could be encapsulated in order to achieve waterproofing and facilitate disinfection with liquid disinfectant. The skin temperature measurements were performed every 1 or 5 minutes. Two healthy subjects were monitored for 7-9 days. The preliminary system application showed its usefulness in continuous temperature monitoring of feet.

Keywords: continuous temperature monitoring, foot temperature