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New Study Recommends Exergen Temporal Artery Thermometer Use in Pediatric ER Settings and Confirms Its Accuracy

Definitive Body of Published Clinical Studies Sets Exergen Apart From All Other Infrared Thermometers



WATERTOWN, Mass., Feb. 20, 2014 (GLOBE NEWSWIRE) -- A study¹ published in *International Emergency Nursing* states that temporal artery (TA) thermometers -- vs. mercury or digital axillary thermometers -- "are recommended especially in pediatric emergency settings, where an accurate, quick and safe body temperature measurement is of vital importance."

The aim of the study was to compare children's temperatures taken with mercury and digital axillary thermometers with those obtained with a temporal artery thermometer. The analysis of the temperatures taken with each of the three methods revealed a mean difference of 0.6* C between TA thermometer and glass-mercury thermometer and 0.9* C between digital thermometer and TA thermometer. The difference between these values was found to be consistent with the range provided in the literature. The researchers also concluded that the use of TA thermometers may provide an accurate and time efficient solution, especially for nurses working in pediatric emergency departments, and a viable option that will increase staff productivity.

"The accuracy, speed and consistency of the Exergen Temporal Thermometer is well established, and this new study reaffirms just how critical those factors are in a pediatric emergency setting," said Francesco Pompei, Ph.D., CEO of Exergen Corporation. "Many people do not realize that all infrared thermometers are not created equal. Only Exergen has more than 50-peer reviewed published clinical studies to back up its accuracy, providing the highest assurance that families can always rely on Exergen, which really sets us apart from all other thermometers," added Dr. Pompei.

The study was conducted over a three-month period at the Pediatric Emergency Department of Akdeniz University Hospital in Turkey. The sample for the study comprised 218 children (aged 0-18 years). Three different methods were applied to each patient at the same time.

Exergen markets two models of the TemporalScanner thermometer: a professional version for doctors' offices and hospitals, and a consumer model sold in major retailers nationwide. More than one billion temperatures are taken each year with the TemporalScanner. It is used in thousands of hospitals, clinics and pediatricians' offices across the country, as well as in millions of homes. For the third year in a row it is the #1 selling retail thermometer and #1 preference of pediatricians in the U.S. The Exergen TemporalScanner's performance is supported by more than 50 peer-reviewed published studies covering all ages from preterm infants to geriatrics and all care areas from hospitals to homes. For additional information, visit www.exergen.com.

¹ Isler, A., et al. Comparison of temporal artery to mercury and digital measurement in pediatrics. *International Emergency Nursing*, 2013, <http://dx.doi.org/10.1016/j.ienj.2013.09.003>

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Contact:

Melissa Rubin
Rosica Public Relations
melissa@rosica.com
P: 201.843.5600
F: 201.843.5680
95 Route 17 South, Suite 202
Paramus, New Jersey 07652

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